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GoldAcres Parts

For fast, efficient same day despatch of GoldAcres parts, please phone, fax or mail order to the above numbers. When placing your parts order, please provide the following information:

- Part Number
- Part Description
- Quantity Required
- Preferred Despatch Method.

We can despatch parts by post, road or airbag. To ensure same day service, please ensure parts are ordered as early in the day as possible.

If returning parts for repair to GoldAcres, please clean thoroughly all parts before sending them. GoldAcres cannot expose technicians to the various pesticides that are in use.

CATALOGUE ERRORS AND CHANGES:

Product specifications presented in this catalogue are believed to be accurate at the time of publication. Goldacres Trading Pty Ltd does, however, reserve the right to over-ride information deemed to be in error.

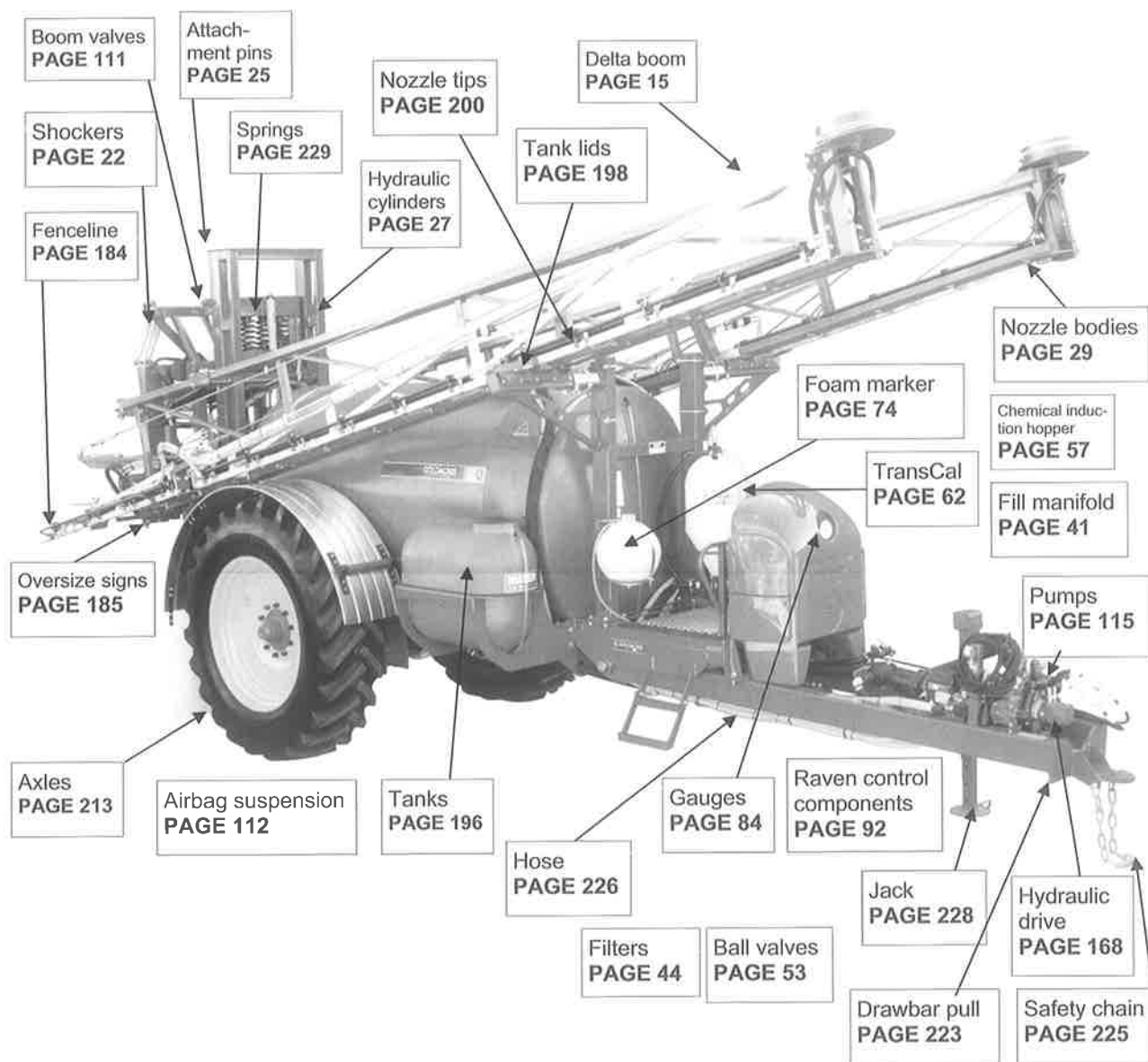




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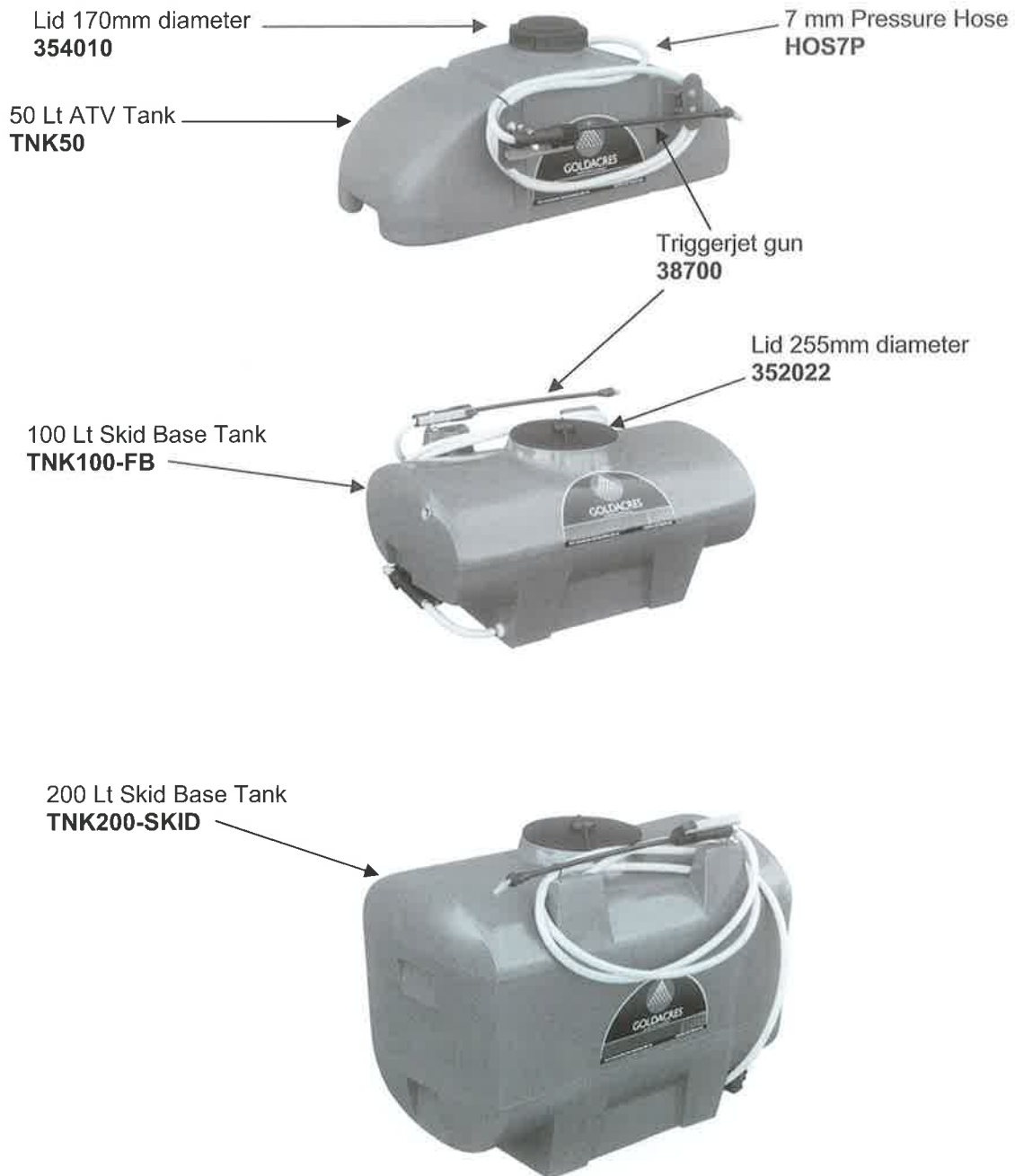
12 Volt Sprayers





SB Skid Base 12 Volt Sprayers

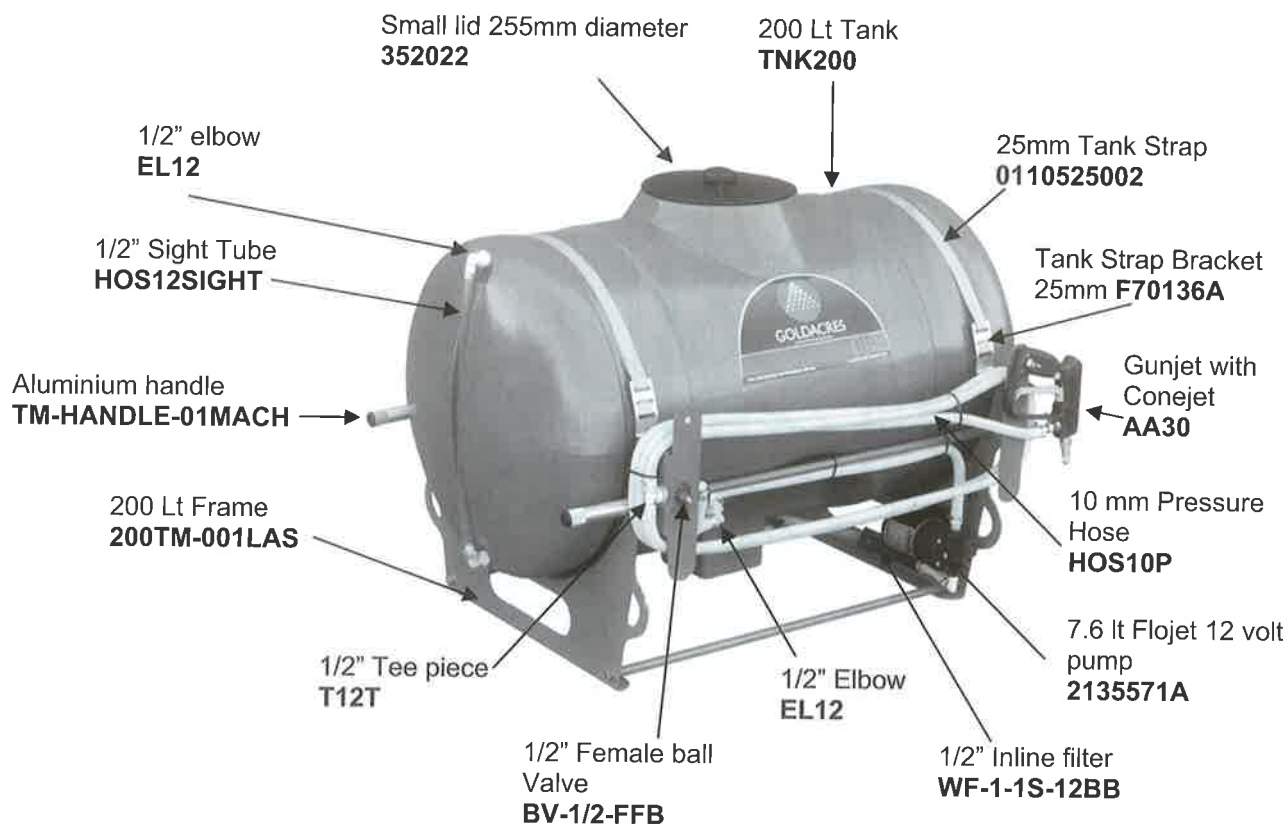
Note: All Traymates (excluding Squirt & Chubby) have Flojet 7.6 Pump 70 psi pumps standard **2135571A**





XL 12 Volt Sprayer Parts

Note: All XL Traymates (traymates with frames) have the same components except the tank and frames



100 Ltr Tank
TNK100

100 Ltr Frame
100TM-003MACH



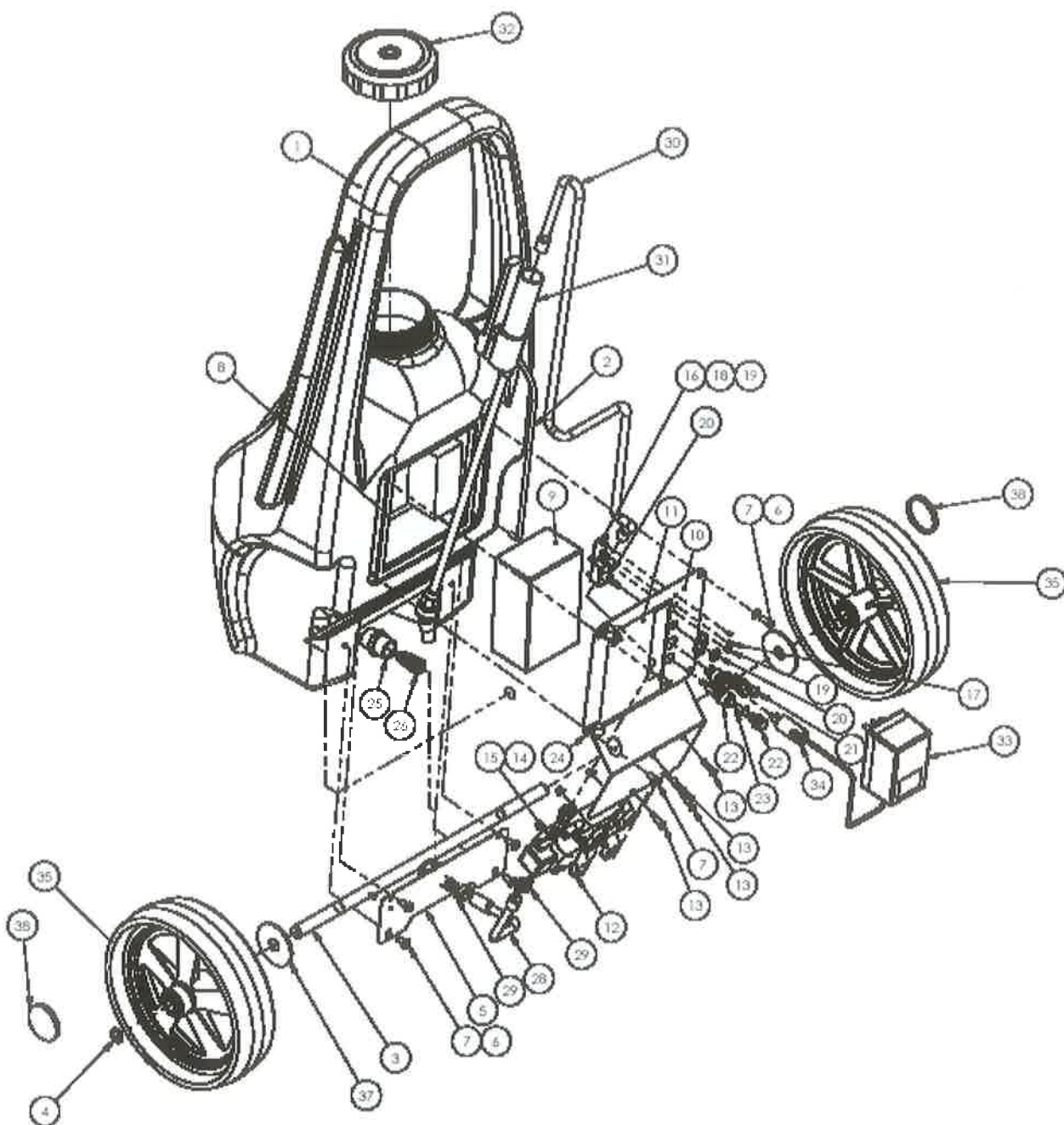
On/Off Switch
ST25B

Fuse and Holder
YC513-B

1/2" Plastic Tap
VQA12



SQUIRT 30 LITRE RE-CHARGEABLE SPRAYER





SQUIRT 30 LITRE RE-CHARGEABLE SPRAYER

| Item No. | Part Number | Description | Quantity |
|----------|---------------|---------------------------------|----------|
| 1 | TNK30SQ | 30L Squirt tank | 1 |
| 2 | HOS10WSIGHT | Sight tube | 1 |
| 3 | 25LSQ-003MACH | 30L Squirt axle | 1 |
| 4 | 1400-15 | 15mm External circlip | 2 |
| 5 | 25LSQ-002LAS | 30L Squirt axle plate | 1 |
| 6 | WASH6 | Washer | 6 |
| 7 | M6X15BHCS | Button head stainless bolt | 8 |
| 9 | NP1207.2 | 12v 7.2AH battery | 1 |
| 10 | 25LSQ-001LAS | 30L Squirt battery/pump plate | 1 |
| 11 | GA018 | Squirt warning label | 1 |
| 12 | LF121-421D | Flojet 12v pump | 1 |
| 13 | M5X20BH | Button head stainless bolt | 4 |
| 14 | WASH5 | Washer | 4 |
| 15 | NN5 | Nyloc Nut 5mm | 4 |
| 16 | 4166-6003 | Battery voltage indicator board | 1 |
| 17 | H1934 | LED mounting bezel | 1 |
| 18 | HA0110 | Circuit board spacer | 2 |
| 19 | M3X6SS | Mounting screw | 4 |
| 20 | ST25B | On/Off switch | 1 |
| 21 | PS114 | Female charging port | 1 |
| 22 | YC513B | Fuse holder | 1 |
| 24 | 3367 | CCL437-170 hose clamp | 2 |
| 25 | M34 | 3/4" to 3/4" male nipple | 1 |
| 26 | 90493-3/4 | Screen filter | 1 |
| 27 | 44008-3/4 | In-line filter fitting | 1 |
| 28 | HOS10WSIGHT | Sight tube wire re-in forced | 1 |
| 29 | 10100029 | 1/2" hose clamp | 3 |
| 30 | HOS7P | 7mm pressure hose | 1 |
| 31 | 38700-PP-X18 | Trigger-jet spray gun | 1 |
| 32 | 354230 | Tank Lid | 1 |
| 33 | AC900 | 12v Automatic battery charger | 1 |
| 34 | P113 | Male charging port | 1 |
| 35 | 3325BL0000 | Wheel | 2 |
| 36 | FOAM BLOCK | Battery locator | 1 |
| 37 | MACH0030 | Plastic washer | 2 |
| 38 | JKZ-STDLAB | Wheel cap | 2 |
| | 60058BL | Switch cover | 1 |
| | GA027 | 30L squirt sticker kit | 1 |



GunJet®

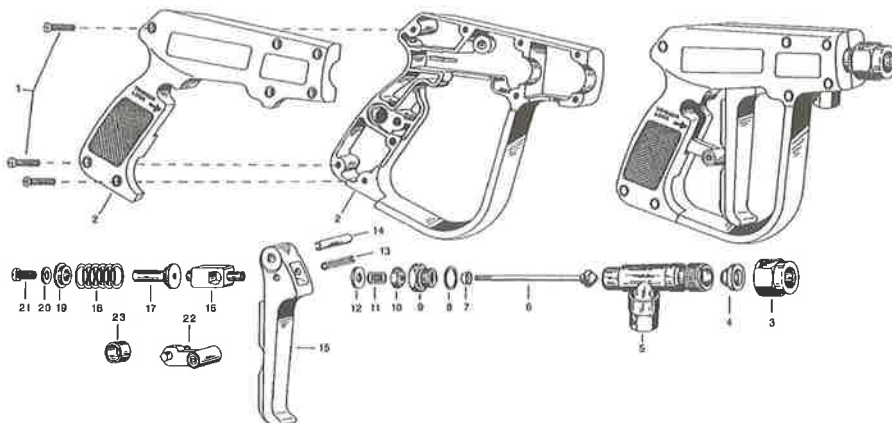
AA30L LOW PRESSURE SPRAY GUN

AA301/4



- ~ Flow rates up to 19 L/min.
- ~ Maximum operating pressure of 17 bar.
- ~ Outlet connection is 11/16" - 16 TeeJet thread.
- ~ Inlet connection is 1/4" (F) BSPT.
- ~ Body and trigger moulded of tough nylon.
- ~ Brass extension available (refer Extension Table).
- ~ Accommodates all interchangeable TeeJet® spray tips though use with 5500 brass adjustable conejets is recommended (refer Adjustable Conejet table).

AA30-1/4 AA30L Low Pressure Spray Gun



| ITEM | PART NO. | DESCRIPTION |
|------|----------------|--|
| 1 | CP17103-IZP | Zinc-Plated Steel Screw |
| 2 | CP19684-1-NYB | Right and Left Hand Nylon Housing Set |
| 3 | CP7890-INP | Nickel-Plated Steel Cap |
| 4 | CP7490-BRTF | Brass and Teflon Valve Seat Assy. |
| 5 | CP22136 | Brass Inlet Body |
| 6 | CP22137-BR302S | Brass and Stainless Steel Stem Assy. |
| 7 | CP14255-1-BU | Buna Packing Cup |
| 8 | CP19812-AL | Aluminium Gasket |
| 9 | CP19811 | Brass Packing Screw |
| 10 | CP7484-INP | Nickel-Plated Steel Stem Nut |
| 11 | CP7489-SS | Stainless Steel Trigger Stop Spring |
| 12 | CP7622-IZP | Zinc-Plated Steel Washer |
| 13 | CP17720-420SS | Stainless Steel Roll Pin |
| 14 | CP19820-420SS | Stainless Steel Roll Pin |
| 15 | CP17703-FRP | Fibreglass Reinforced Polyester Trigger |
| 16 | CP19810 | Brass Trigger Guide |
| 17 | CP19815 | Brass Spring Guide |
| 18 | CP22138-302SS | Stainless Steel Spring |
| 19 | CP19816 | Brass Spring Retainer |
| 20 | CP19819-SS | Stainless Steel Washer |
| 21 | CP19818-IZP | Zinc-Plated Steel Screw |
| 22 | CP19806-FRP | Fibreglass Reinforced Polyester Trigger Lock |
| 23 | CP19805-CE | Celcon Lock Spring Ring |

AB30L-KIT AA30L GunJet Repair Kit includes items 4,6,7,8,& 18.



GunJet®

AA43 SPRAY GUNS

No. AA43L for operating pressures up to 13 bar.
pressures from 13 bar to 55 bar.

Trigger handle control...ALL MODELS have ½" NPT (F) inlet connections.

Quality designed and built for heavy duty service. Stem extends through extension to valve seat located directly behind orifice disc for drip-free shutoff and instant operating response. Convenient trigger-lock for continuous spraying.



Hardened stainless steel type D orifice discs

Choice of five interchangeable orifice disc capacities. Other sizes on request. Discs are corrosion and erosion-resistant.



Hardened stainless steel type DX-HSS spray tips

For spraying trees and other applications where maximum spray throw is required.

Exposed packing nut
For easy adjustment of packing.

Choice of materials
Brass or aluminium.

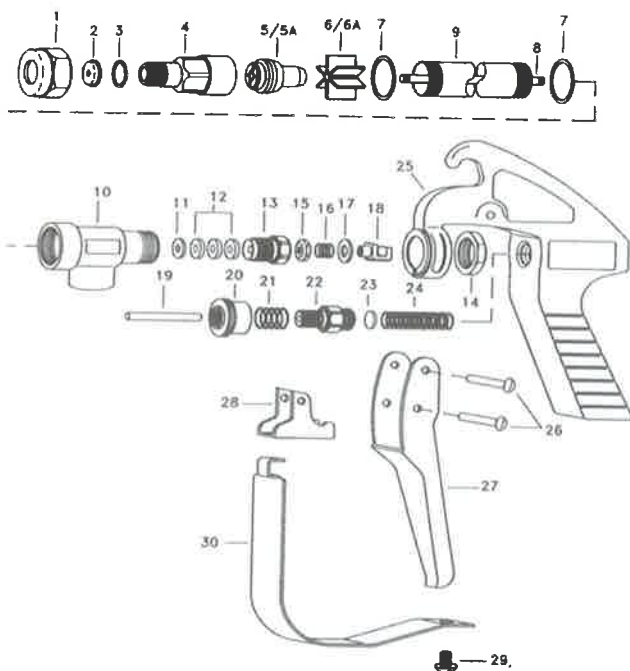
MODELS

| Model No. | Operating Pressure (bar) Range | Made of | Lgth. mm |
|-----------|--------------------------------|---------|----------|
| 43L | 0-14 | Brass | 559 |
| 43H | 14-55 | Brass | |
| 43L-AL | 0-14 | Alum. | |
| 43H-AL | 14-55 | Alum. | |

Type 43A GunJet Spray Guns



| Model No. | Operating Pressure (bar) Range | Made of | Lgth. mm |
|-----------|--------------------------------|---------|----------|
| 43LA | 0-14 | Brass | 330 |
| 43HA | 14-55 | Brass | |
| 43LA-AL | 0-14 | Alum. | |
| 43HA-AL | 14-55 | Alum. | |



| ITEM | PART NO. | | DESCRIPTION |
|---|---------------|---------------|--|
| | BRASS | ALUMINUM | |
| 1 | CP1325 | CP1325-AL | Cap, Brass or Aluminum |
| 2 | D-** | D-** | Orifice Disc, Hardened Stainless Steel |
| 3 | CP4743-NY | CP4743-NY | Gasket, Nylon |
| 4 | CP10586 | CP10586-AL | Nozzle Housing, Brass or Aluminum |
| 5 | 10585-1-NY | 10585-1-NY-AL | Seal Plug, Seal Plate, Washer & Core Sub-Assembly Nylon Core & Vane With Brass Or Aluminum Seal Plug |
| 5A | 10585 | 10585-AL | Seal Plug, Seal Plate, Washer & Core Sub-Assembly Brass Or Aluminum, Special Order ONLY |
| 6 | CP10571-2-NY | CP10571-3-NY | Guide Vane, Nylon |
| 6A | CP10571-AL | CP10571-AL | Guide Vane, Aluminum, Special Order ONLY |
| 7 | CP43195-NYB | CP43195-NYB | Gasket, Nylon (2 Req'd) |
| 8 | CP19238-416SS | CP19238-416SS | Stem, Type 416 Stainless Steel |
| 9 | CP6804 | CP6804-AL | Tubing, Brass or Aluminum |
| 10 | CP6492 | CP6492-AL | Inlet Body, Brass or Aluminum |
| 11 | CP6801-302SS | CP6801-302SS | Packing Washer, Type 302 Stainless Steel |
| 12 | CP6802-LEA | CP6802-LEA | Packing, Leather (3 Req'd), Standard |
| 13 | CP19237 | CP19237-AL | Packing, Teflon (3 Req'd), Optional |
| 14 | CP6599 | CP6599-IZP | Packing Screw, Brass or Aluminum |
| 15 | CP6841-INP | CP6841-INP | Locknut, Brass or Steel, Zinc Plated |
| 16 | CP6595-SS | CP6595-SS | Stem Nut, Steel, Nickel Plated |
| 17 | CP7991-SS | CP7991-SS | Trigger Stop Spring, Stainless Steel |
| 18 | CP6597-INP | CP6597-INP | Washer, Stainless Steel |
| 19 | CP6591-SS | CP6591-SS | Trigger Guide, Steel, Nickel Plated |
| 20 | CP6589-IZP | CP6589-IZP | Spring Stud, Stainless Steel |
| 21 | CP6594-SS | CP6594-SS | Stop Adjustment Nut, Steel, Zinc Plated |
| 22 | CP6588-IZP | CP6588-IZP | Spring for Stop Adjustment Nut, Stainless Steel |
| 23 | CP6592-302SS | CP6592-302SS | Spring Screw, Steel, Zinc Plated |
| 24 | CP6593-1-SS | CP6593-1-SS | Spring Guide Washer, Type 302 Stainless Steel |
| 25 | CP6593-2-SS | CP6593-2-SS | Main Spring, Stainless Steel (for Model #43L-) |
| 26 | CP14477-1-AL | CP14477-1-AL | Main Spring, Stainless Steel (for Model #43H-) |
| 27 | CP7623-IZP | CP7623-IZP | Handle Body, Aluminum |
| 28 | CP6509-INP | CP6509-INP | Rivet, Steel, Zinc Plated (2 Req'd) |
| 29 | CP6510-INP | CP6510-INP | Trigger, Steel, Nickel Plated |
| 30 | CP11757-SS | CP11757-SS | Trigger Stop, Steel, Nickel Plated |
| | CP13798-INP | CP13798-INP | Screw, Stainless Steel |
| | | | Trigger Guard, Steel, Nickel Plated |
| GunJet® No. AA43L - Brass, Complete, For Pressures up to 200 PSI | | | |
| GunJet® No. AA43H - Aluminum, Complete, For Pressures up to 200 PSI | | | |
| GunJet® No. AA43H - Brass, Complete, For Pressures from 200 to 800 PSI | | | |
| GunJet® No. AA43H-AL - Aluminum, Complete, For Pressures from 200 to 800 PSI | | | |
| AB43-KIT Spare parts KIT (Includes all items marked with *) | | | |
| AB43-AL-KIT Spare parts KIT (Includes all items marked with *) | | | |
| ABCK43-KIT Conversion KIT for Adjustable Stem - Items 8, 13 & 15 (for Model #43L-) | | | |
| ABCK43-AL-KIT Conversion KIT for Adjustable Stem - Items 8, 13 & 15 (for Model #43-AL-) | | | |

** Specify Orifice Disc Size



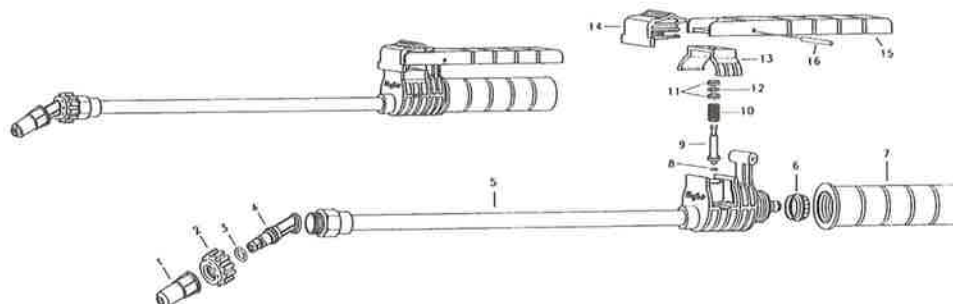
TriggerJet® Spray Gun



The Model 38700 TriggerJet® spray gun is a lightweight spray gun designed for use with backpack, canister, or other low pressure spray systems. The TriggerJet is made of molded polypropylene for excellent chemical resistant and durability.

FEATURES:

- The 38700 TriggerJet® spray gun kit includes a 15" (381 mm) extension.
- Replaceable internal working components (see diagram below).
- Trigger lock permits locking valve in open position for continuous flow.
- Maximum operating pressure of 100 psi (7 bar).
- Accepts all standard spray tips and tip strainers.
- Available in 1/4" (6 mm) hose shank connection.
- External hose clamps are eliminated by the 38700 TriggerJet® spray gun's internal hose clamp.



| ITEM | PART NO. | DESCRIPTION |
|------|--------------------|--|
| 1 | CP38721-PP-** | TIP BODY, POLYPROPYLENE |
| 2 | CP22668-PP | CAP, POLYPROPYLENE |
| 3 | CP7717-5-EPR | O-RING, EPDM RUBBER |
| 4 | CP38722-PP | CORE, POLYPROPYLENE |
| | 38720-PP | ADJUSTABLE CONEJET® SPRAY TIP SUB-ASB. (INCLUDES ITEMS 1 THRU 4) |
| 5 | 38711-PP | BODY SUB-ASSEMBLY, POLYPROPYLENE |
| 6 | CP38708-PP | HOSE CLAMP, POLYPROPYLENE |
| 7 | CP38707-PP | HANDLE, POLYPROPYLENE |
| 8 | CP7717-2-103/90-BU | O-RING, BUNA-N (90 DUROMETER) |
| 9 | CP38709-NYB | STEM, NYLON (BLACK) |
| 10 | CP38705-PHSS | SPRING, STAINLESS STEEL TYPE 17-7PH |
| 11 | CP38706-NY | WASHER, NYLON (2 REQ'D) |
| 12 | CP7717-2/108-BU | O-RING, BUNA-N |
| 13 | CP38702-PP | SPRING RETAINER, POLYPROPYLENE |
| 14 | CP38704-PP | TRIGGER LOCK, POLYPROPYLENE |
| 15 | CP38703-PP | TRIGGER, POLYPROPYLENE |
| 16 | CP22672-IZP | GROOVE PIN, STEEL-ZINC PLATED |

HIGH PRESSURE SPRAY GUN



The lever and handle spray guns are manufactured as follows: stainless steel tube, brass inside rod, steel nozzle or ceramic.

Lever spray gun 300mm **001000**



EXTENSIONS FOR AA30L SPRAY GUN (Straight with Fixed Body)

| EXTENSION TYPE AND NO. | EXT. LENGTH (mm) | NET WEIGHT (kg) |
|------------------------|------------------|-----------------|
| 7715-8 | 203 | 0.09 |
| 771518 | 457 | 0.11 |
| 771524 | 610 | 0.14 |
| 771530 | 762 | 0.16 |
| 771536 | 914 | 0.18 |
| 771548 | 1219 | 0.21 |

ADJUSTABLE CONEJETS

The adjustable brass Conejet nozzle rotates through a half turn to provide spray selection from wide angle, finely atomised cone spray to a straight stream spray. Tip settings "A" and "B" represent two extreme points of rotation in tip adjustment.



| Adjustable ConeJet Tip No. | Performance | Liquid Pressure (kPa) | | | | | | | |
|----------------------------------|-------------------|--------------------------|------|------|------|-----|------|-----|------|
| | | 150 | | 200 | | 300 | | 400 | |
| | | A | B | A | B | A | B | A | B |
| 5500 - X18 | Capacity (l/min) | 0.79 | 2.6 | 0.98 | 3.2 | 1.1 | 3.7 | 1.4 | 4.5 |
| | Spray Angle (deg) | 71 | - | 75 | - | 77 | - | 78 | - |
| | Max. Throw (m) | 1.2 | 11.5 | 1.2 | 12.5 | 1.2 | 12.8 | 1.2 | 12.8 |
| 5500 - X22 | Capacity (l/min) | 0.95 | 3 | 1.2 | 3.7 | 1.5 | 4.7 | 1.8 | 5.5 |
| | Spray Angle (deg) | 71 | - | 75 | - | 78 | - | 79 | - |
| | Max. Throw (m) | 1.2 | 11.9 | 1.4 | 12.5 | 1.5 | 12.8 | 1.5 | 12.8 |
| 5500 - X26 | Capacity (l/min) | 1.1 | 3.6 | 1.4 | 4.5 | 1.7 | 5.5 | 2.1 | 6.7 |
| | Spray Angle (deg) | 72 | - | 76 | - | 78 | - | 79 | - |
| | Max. Throw (m) | 1.4 | 12.2 | 1.5 | 12.8 | 1.5 | 13.1 | 1.7 | 13.1 |

SPRAY SHIELD FOR GUNJET



Spray shield for gunjet

001950C



HEAVY DUTY HOSE REELS

This is the hose and reel for the professional user. It is heavy duty construction and coated for long life.

20M hose reel available with 12mm inside diameter chemical resistant hose.

50 and 100M hose reels available with nylon 11 tubing which is light and easy to manage in the long lengths. This 12mm outside diameter hose (approximately 10mm inside diameter) is resistant to all the chemicals commonly used in Australia and is kink resistant.

| | |
|----------------|----------------|
| 20M Hose reel | HR-20 |
| 50M Hose reel | HR-50 |
| 100M Hose reel | HR-100 |
| Bare reel | HR-BARE |



20M Hose Reel and AA30L GunJet



50M Hose Reel and AA30L GunJet

PLEASE NOTE:

GUNJETS FOR HOSE REELS ARE NOT INCLUDED WITH THE ABOVE REELS. PLEASE ORDER THE GUN OF YOUR CHOICE FROM THOSE LISTED IN THIS CATALOGUE.

HOSE REEL ACCESSORIES



Hose reel swivel mounting bracket
HR-SMB

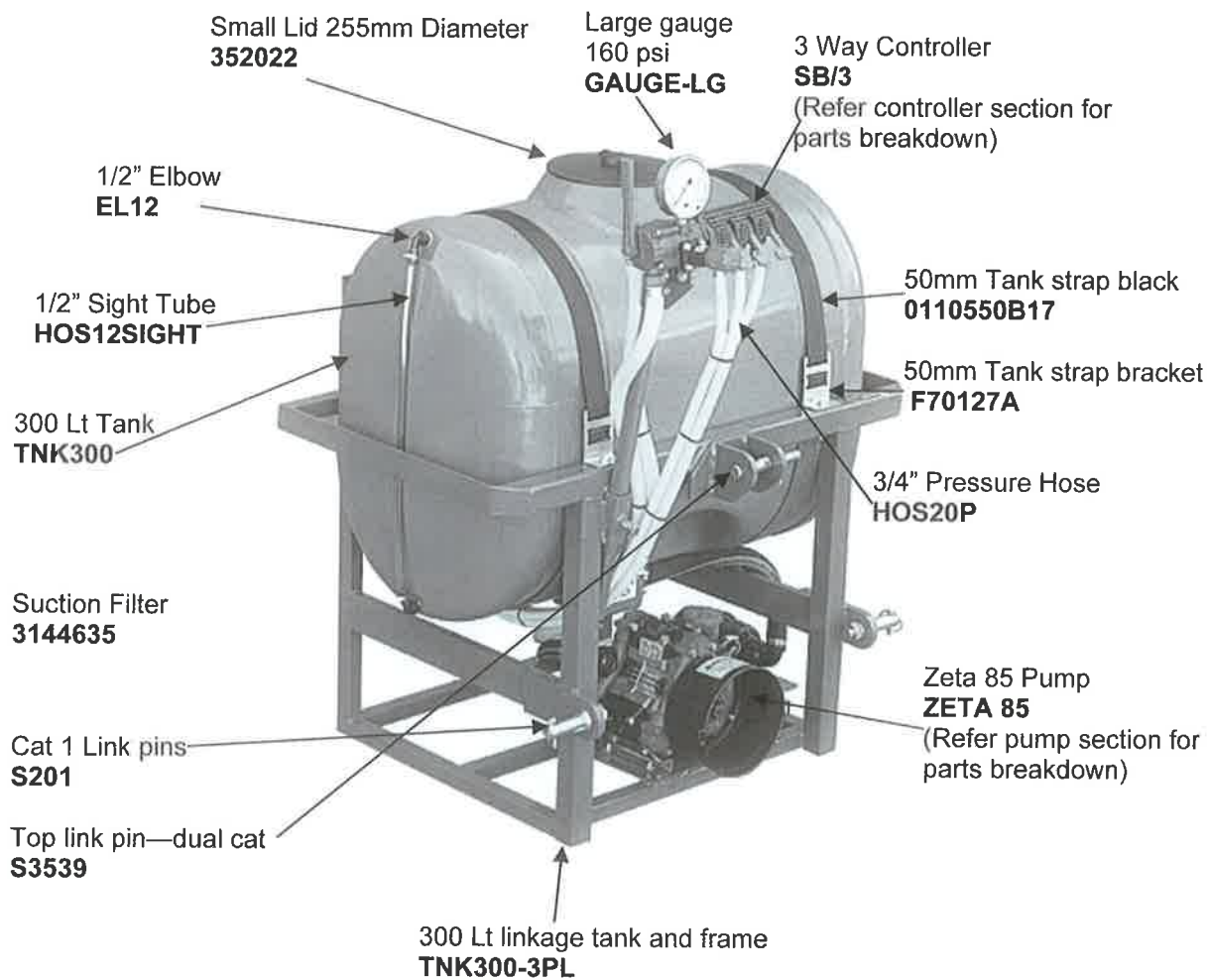
Previous model hose reel handle
available.



Hose reel handle.
HP19/NL

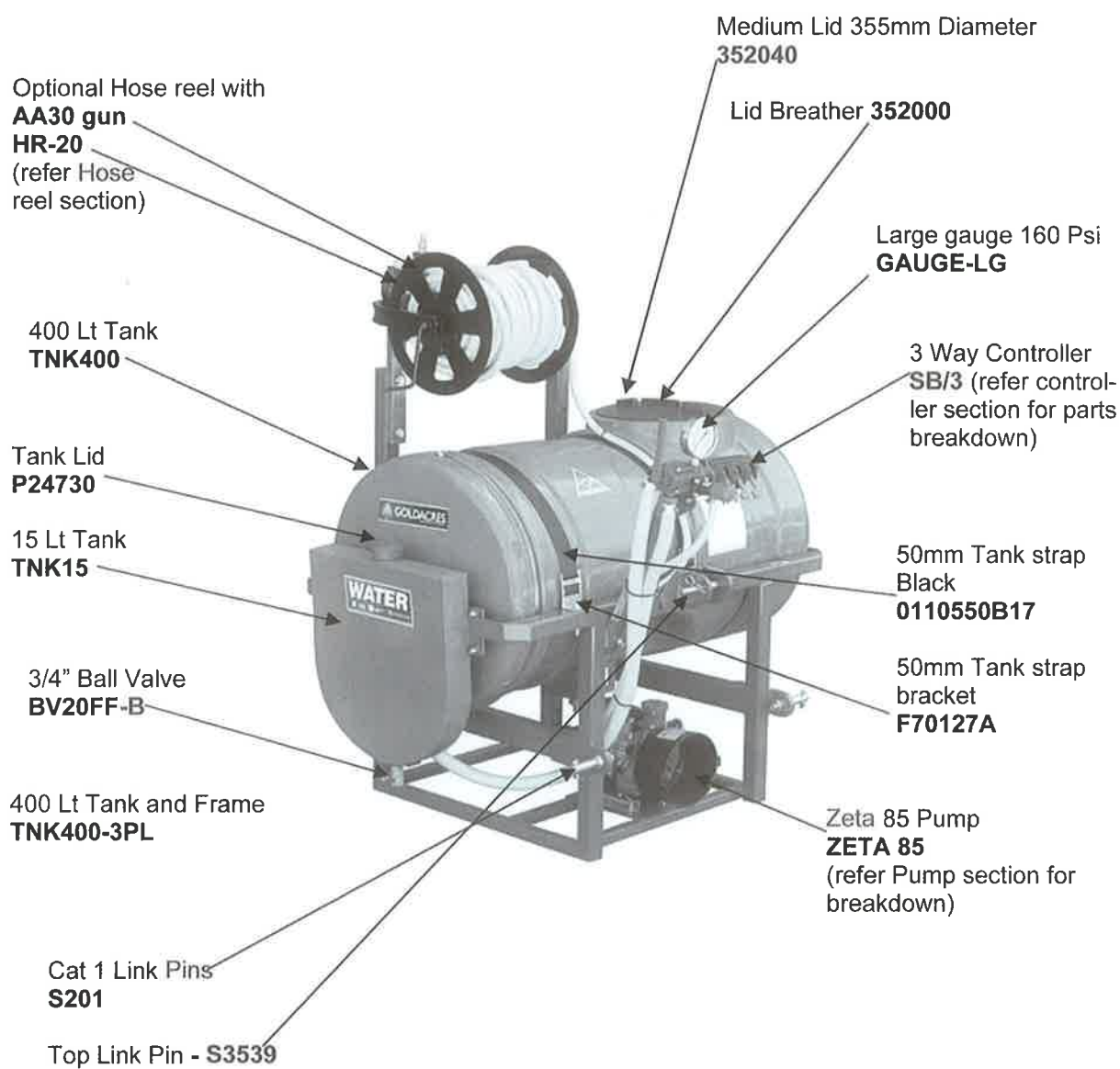


300 Lt Three Point Linkage





400 Lt Three Point Linkage





600 & 800 Lt Three Point Linkage

Note: All parts are the same on 3PL units 400 Lt, 600 Lt & 800 Lt, excluding tank and frame sizes.

3PL shown with optional
50 Mt hose reel

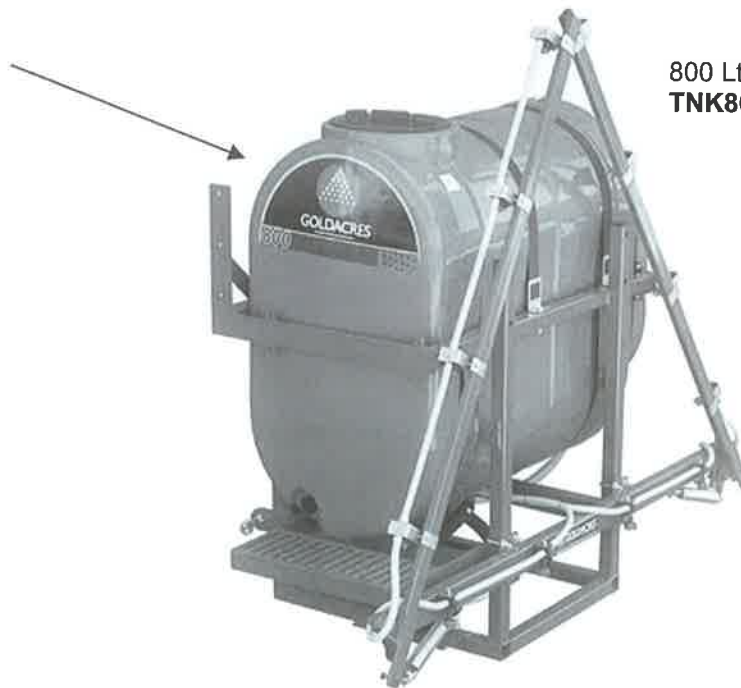
600 Lt Tank & Frame
TNK600-3PL



800 Lt 3PL shown with optional 6 Mt boom

800 Lt Tank
TNK800

800 Lt Tank and frame
TNK800-3PL



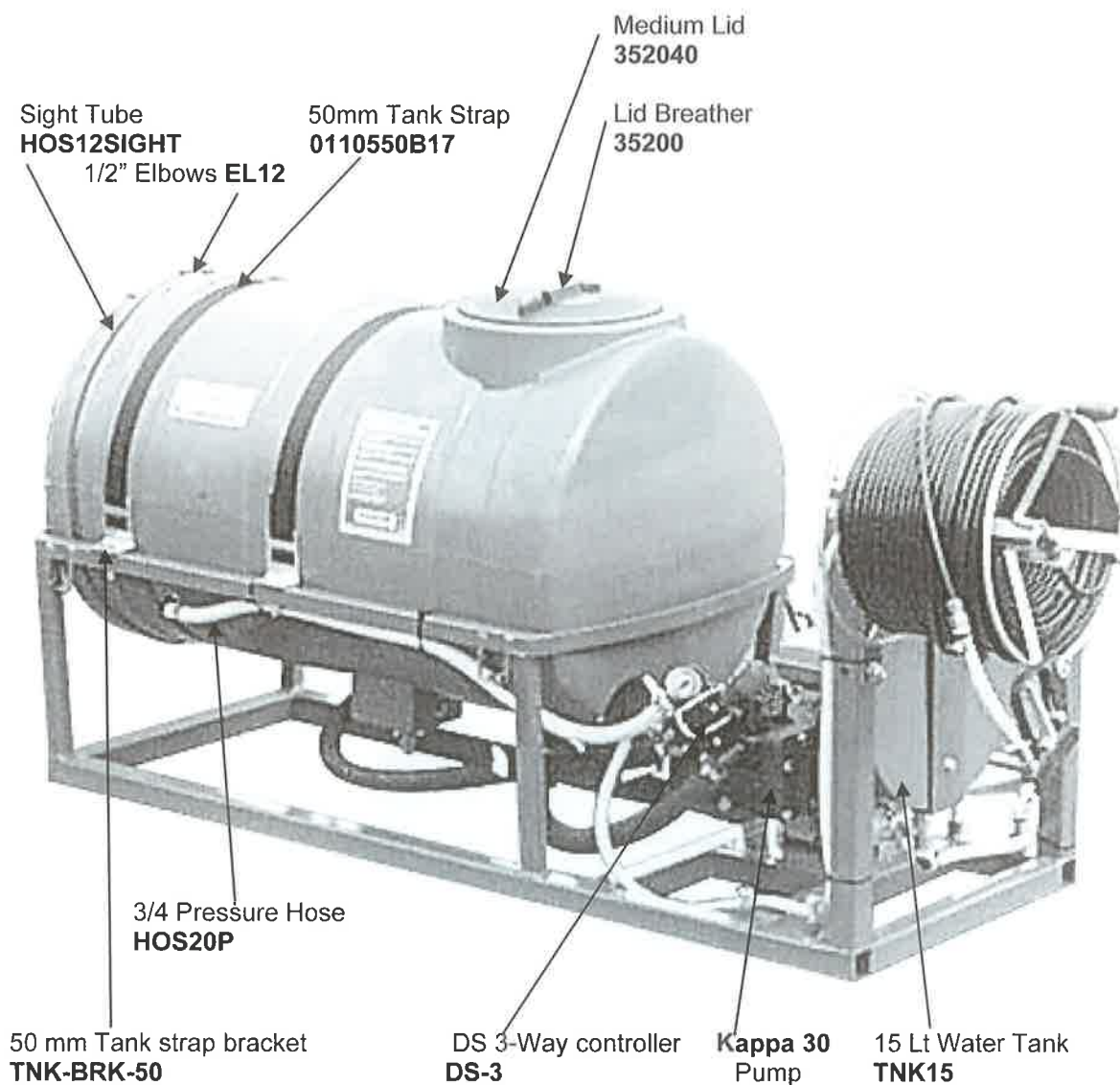
3PL



Compact Sprayers

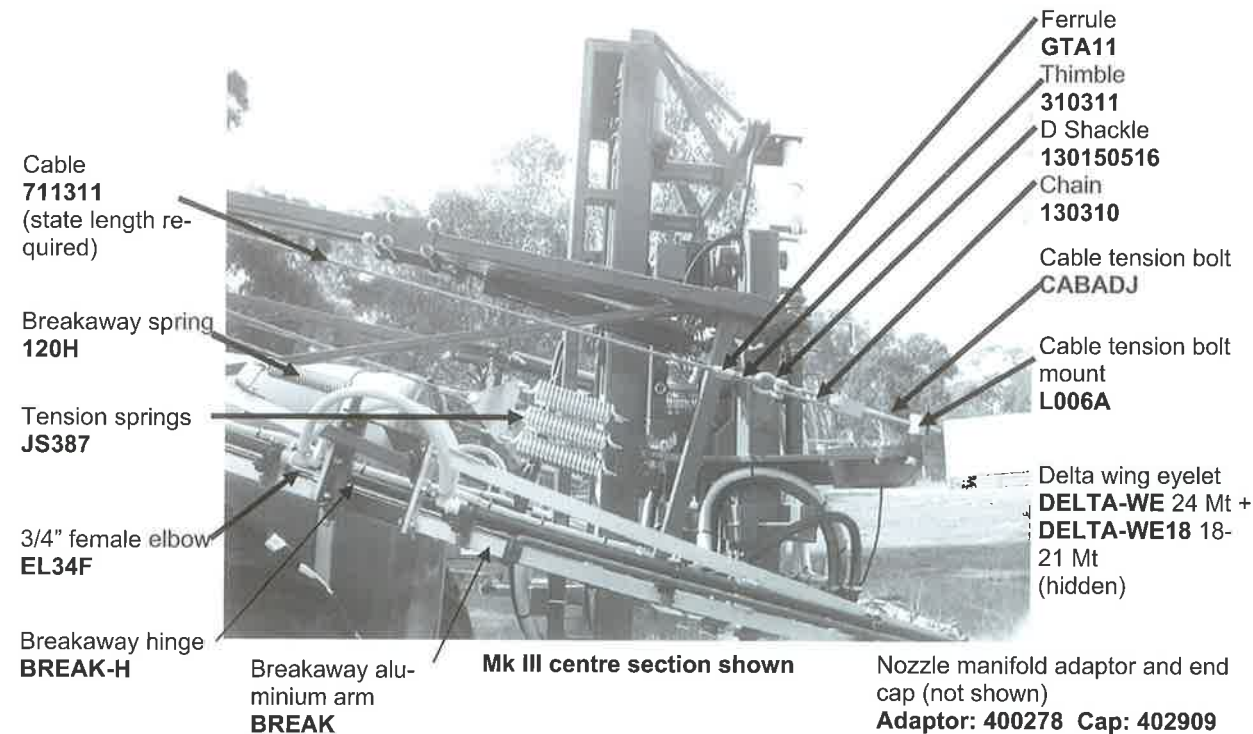
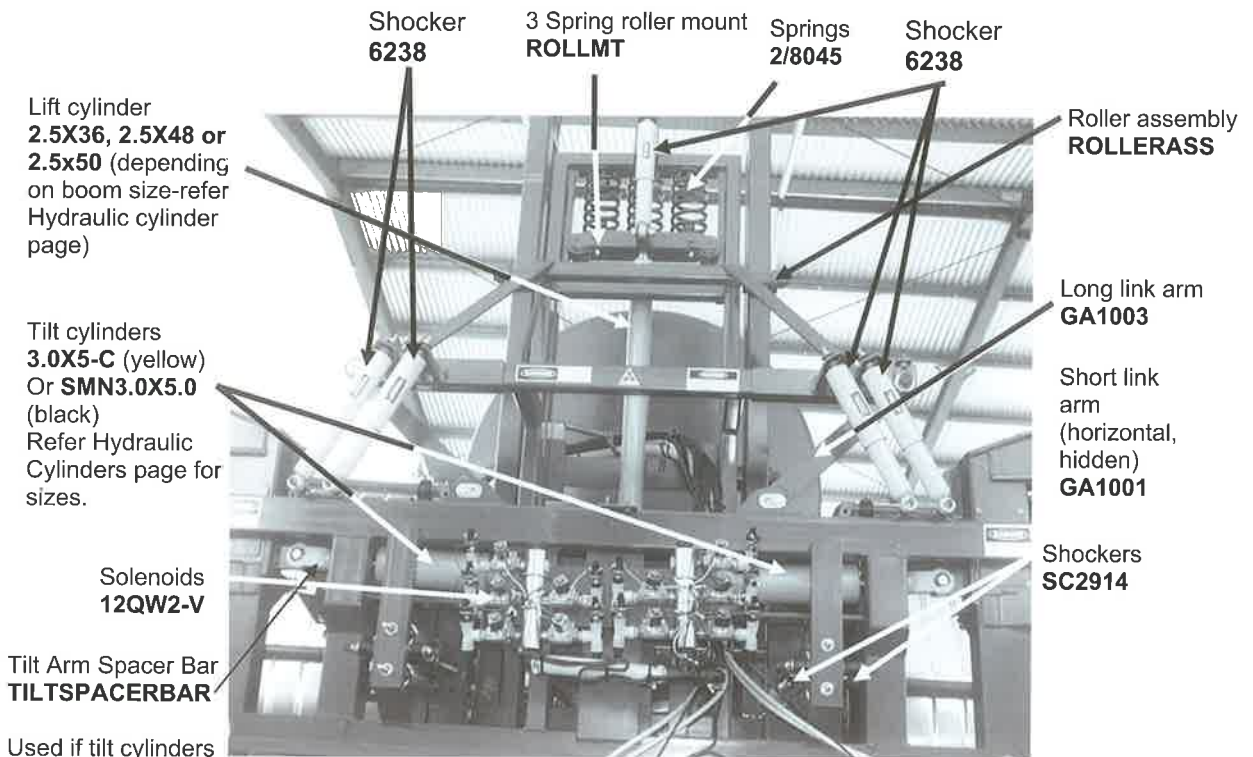
COM200 200 Lt Compact sprayer
COM300 300 Lt Compact sprayer
COM400 400 Lt Compact sprayer
COM600 600 Lt Compact sprayer

200 Lt Tank—**TNK200**
 300 Lt Tank—**TNK300**
 400 Lt Tank—**TNK400**
 600 Lt Tank—**TNK600**





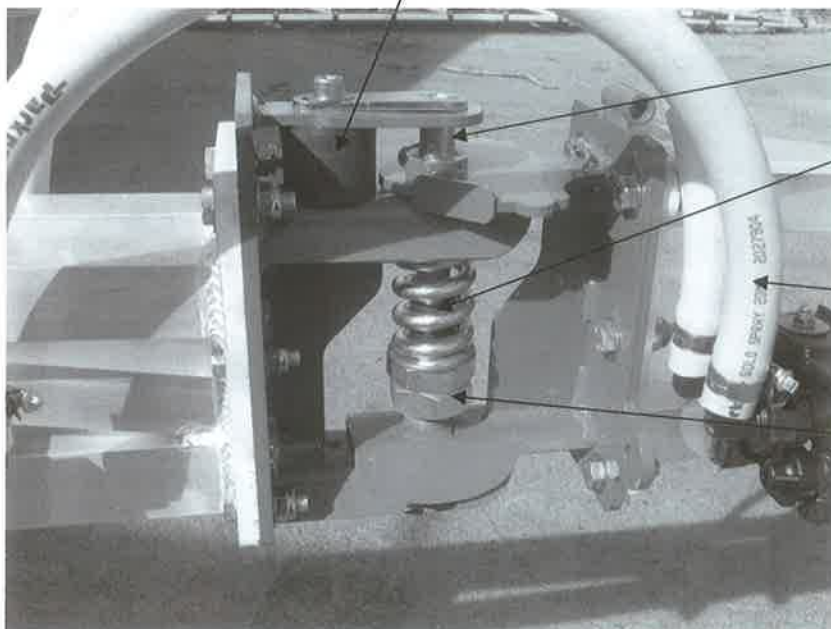
DELTA BOOM





DELTA BOOM

Rubber Buffer
K640M1072



Breakaway hinge pin
BH-MK2-Subassem-03

Breakaway spring
Suit current style breakaway
(mid 2004)
Z4025

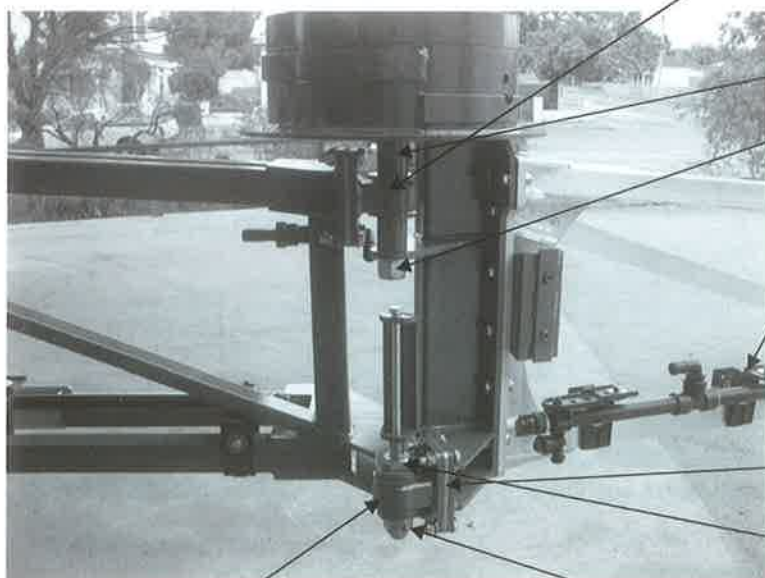
3/4" Pressure hose
HOS20P

3/4" Female elbow
EL34F

Lock nuts
LOCKM11/4

Current break away hinge assy (above)
BREAKH

Current cable drum assy suit 24 Mtr and above
Pictured below **CABDRUM24**



Top Hinge Block
DB-ADJ-01PRO

1" x 8" UNF Bolt
M1X8UNC

1" UNF Nyloc Nut
NN1

Nozzle bracket suit 50 mm
NOZBK2 (Refer Nozzle Brackets page for other sizes avail)

Female 3/4 tee **TT34**
End cap **402909**
3/4 Adapter **400278**

Shim Plates
DB-ADJ-16LAS

1" x 4.5" UNF Bolt
M1X4.5UNF

1" UNF Nyloc Nut
NN1

Bottom Hinge Block
DB-ADJ-02



DELTA BOOM

Aluminium outer wing

24MTOB - 24 Metre outer boom wing
28MTOB - 28 Metre outer boom wing
30MTOB - 30 Metre outer boom wing
33MTOB - 33 Metre outer boom wing
36MTOB - 36 Metre outer boom wing

Steel Inner boom wing

24MTIW - 24 Metre inner boom wing
28MTIW - 28 Metre inner boom wing
30MTIW - 30 Metre inner boom wing
33MTIW - 33 Metre inner boom wing
36MTIW - 36 Metre inner boom wing

Note when ordering aluminium outer boom wings please measure wing from end to end.





DELTA BOOM

Special Wing Pictured

18 Metre Inner Boom Wing **18MTIW**
 20 Metre Inner Boom Wing **20MTIW**
 21 Metre Inner Boom Wing **21MTIW**
 24 Metre Inner Boom Wing **24MTIW**

Outer Boom Wing **18MTOB**
 Outer Boom Wing **20MTOB**
 Outer Boom Wing **21MTOB**
 Outer Boom Wing **24MTOB**



Cable drum suit all Specials up to 24 Mtr

CABDRUM18

1" x 5.5" UNF Bolt

M1X5.5UNF

1" UNF Nyloc Nut

NN1UNF (same on Bottom Bolt)

1" x 4.5" UNF Bolt

M1X4.5UNF

Foam generator

FGEN

3/4 Pressure Hose

HOS20P

Springs
2/8045

2 Spring Roller Mount
ROLLMT2

Rotating Beacon
B20-00



Link Pins

S3549 (100mm x 1")

Link Arm

GA1003

Shockers

15-3137

Cable Tension Mount

L006A

Oversize Sign

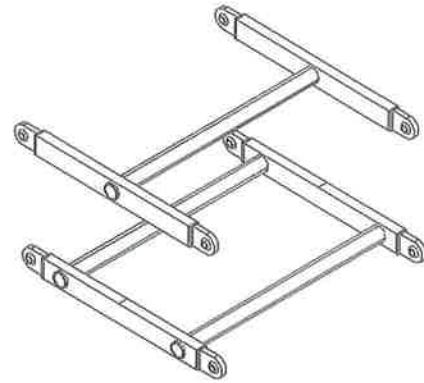
GSIGNFRONT

Hydraulic Lift cylinder 2.5" x 36"

G0300-04A

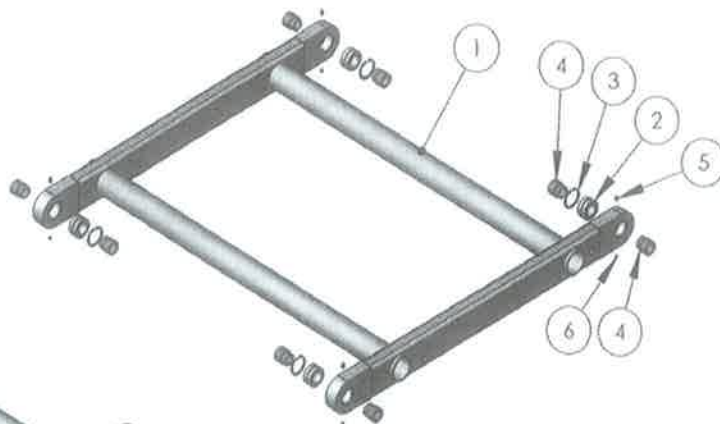


PARALIFT BOOMS



Pins to suit weld on ends 1 1/8" **PIN-118-115**
Cylinder used **03-300-508-00547**
Displacement 3" x 2.5" x 20" spherical ends
Pins to suit **PIN-1-110**

| ITEM NO. | QTY. | PART NO. |
|----------|------|------------------------|
| 1 | 1 | PLR-subassem-04 |
| 2 | 4 | GEZ34ES-2RS |
| 3 | 6 | D1300-0550 |
| 4 | 8 | MACH0134 |
| 5 | 4 | 025-grease nipple |
| 6 | 4 | 0.25 In UNF Grub Screw |





RUBBER STOPPER AND HOLDER

The stopper holder houses the rubber stopper that prevents the outer boom wing from hitting the inner boom wing. Otherwise damage to both the boom and the nozzles will occur. Always make sure that the stopper holder is positioned such that the outer wing will always hit the rubber stopper and not the inner wing. The outer wing may tend to hang lower after awhile and the stopper holder may need to be moved in order to compensate for this. The stopper holder can be unbolted and then bolted to a different part of the inner boom wing.



| POSITION NO. | DESCRIPTION | TO SUIT RHS | PART NO. |
|--------------|----------------------------|--------------------|--|
| 1 | Stopper Holder Pre 2004 | 35 x 35 50 x 50 | STOPHOLD-35 STOPHOLD-50 |
| 2 | Rubber Stopper | | RUBSTOP |



Current March 2004
Boom rubber stopper **M5052**

BOOM COUNTERWEIGHT

BOOM BALANCE

The Delta boom is designed so that it balances level with respect to the sprayer. If one side is heavier than the other, the boom will tend to hang lower on the heavy side. Hence both sides need to be balanced for the boom ends to be of the same height. To achieve this a boom counterweight is included on the boom and placed strategically so that it compensates and balances the boom (usually placed on the opposite boom side to the fenceline jet to compensate for its weight).

If the boom is not balanced (such that the height of the boom ends is different), the counterweight can be moved or more weight added to the counterweight until the boom is balanced. More weight can be added to the counterweight by unbolting the bolt that holds the weight to the adjustable bracket, increasing the weight and then replacing the bolt (or a longer one may be required) so that the weight is securely fastened to its bracket. Adding more weight to the counterweight will cause the side of the boom with the counterweight to hang lower (and the other side to rise higher). The counterweight is mounted on an adjustable bracket which can be unbolted and then bolted to a different part of the boom wing. If the counterweight is moved along the boom wing towards the centre of the boom, it will cause the boom side with the counterweight to rise higher (and the other side to hang lower).



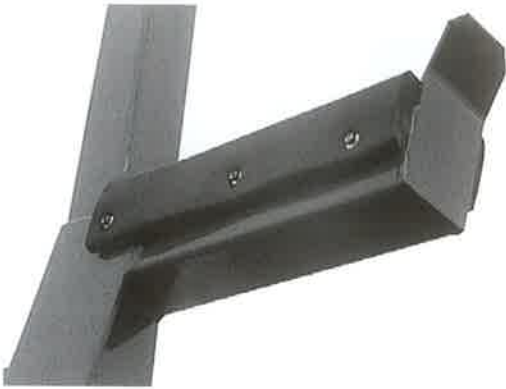
Boom Counter Weight **BOOMWT**



RUBBER BOOM REST



| | |
|-------------------------------------|---------------|
| 350mm boom rest (To suit 75 RHS) | 2022 |
| 450mm boom rest | 2022/1 |
| 550mm boom rest | 2022/2 |



Rubber boom rest fitted to sprayer.

RUBBER BUFFER

Rubber buffer with bolt 30 Mt boom

M190

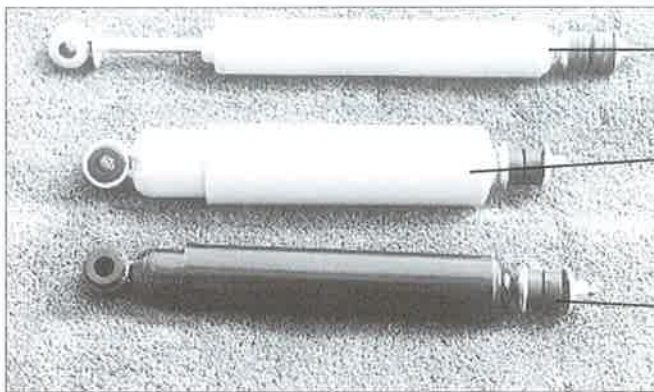


Rubber bump stop

2158
(old P/N BIS003)



SHOCK ABSORBERS

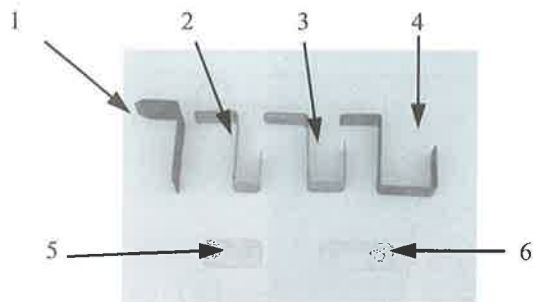


| POSITION NO. | PART NO. | DESCRIPTION | TO SUIT |
|--------------|----------------|--|---|
| 1 | 15-3137 | Double acting gas hydraulic shock absorber | Delta boom roll suspension (20m and below) and all Delta boom pitch suspension and trailing booms |
| 2 | 6238 | Double acting hydraulic shock absorber | Delta boom (24m and above) roll suspension |
| 3 | SC2914 | Steering Dampener | Delta boom yaw suspension |
| Ref pg 185 | | Double acting hydraulic shock absorber | Ground glider shock absorber |



NOZZLE BRACKETS

Made of stainless steel to suit varying RHS sizes as shown.



TANK BRACKETS

Tank stop bracket



7
(Bracket for left and right side.)

| POS. NO. | DESCRIPTION | TO SUIT RHS | PART NO. |
|----------|---------------------------------|-------------|-----------------------------------|
| 1 | Plain weld-on | | BRKNZ-W |
| 2 | Outer wing delta | 35 x 35 | F70248A |
| 3 | Inner wing delta | 50 x 50 | F70246A |
| 4 | Centre section delta | 75 x 50 | F70256A |
| | Folding boom wing | 50 x 20 | BRKNZ3 |
| | Folding boom centre | 50 x 75 | BRKNZ4 |
| 5 | Offset Nozzle | 40 x 80 | BRKNZ-OS |
| 6 | Fence Line | 105 x 40 | BRKNZ-FL |
| 7 | Tank stop bracket | | BRK-TSL (left) BRK-TSR (right) |
| | Aluminium outer wing | 40 x 40 | F70247A |
| | Aluminium dual boom | 40 x 40 | F70250A |
| | Dual boom outer wing | 35 x 35 | F70249A |
| | Dual boom | 50 x 50 | F70251A |
| | 36 Mt Dual boom (holes in line) | 50 x 50 | F70259A |
| | 36 Mt Dual boom (holes in line) | 35 x 35 | F70260A |

ADJUSTABLE NOZZLE BRACKET

- Suits 40x40 RHS & 50x50 RHS
- Adjustable vertical height
- Accommodates single and dual plumbing
- Suits a variety of nozzle bodies and tips
- Glass filled polypropylene UV stabilized



NOZBK1 Single line
nozzle bracket
to suit 40mm RHS



NOZBK2 Single line
nozzle bracket
to suit 50mm RHS



NOZBK3 Dual line
nozzle bracket
to suit 40mm RHS



NOZBK4 Dual line
nozzle bracket
to suit 50mm RHS



NOZBK5 Dual
off-set line
nozzle bracket
to suit 40mm RHS



NOZBK6 Dual
off-set line
nozzle bracket
to suit 50mm RHS



BRK-U Main nozzle
bracket, fits 50mm



COMP0318 Nozzle
bracket adapter.
Adapts the standard
50mm bracket to
40mm RHS. Sold in
pairs



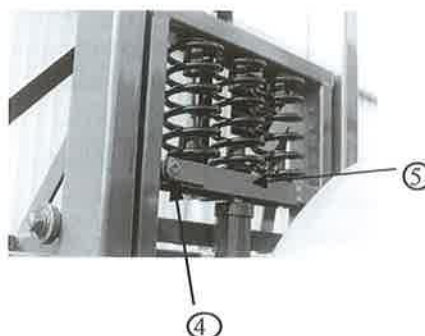
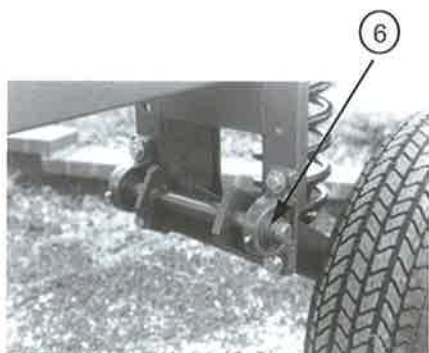
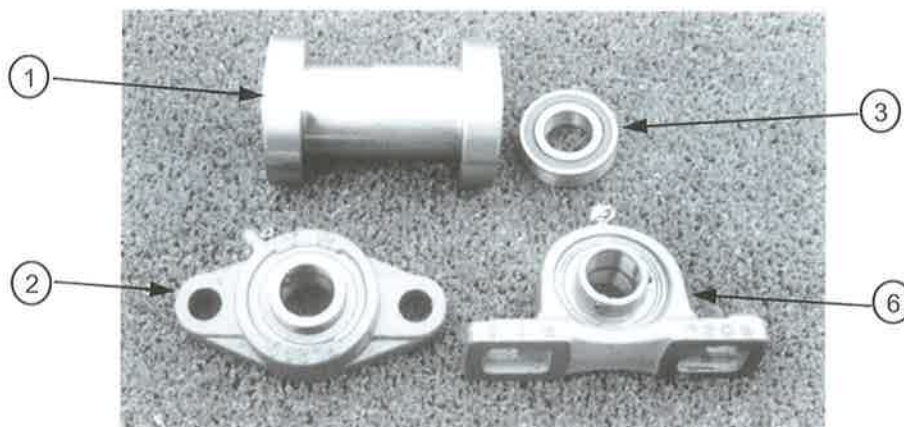
BRK-L Nozzle
bracket extension



BRK-FLAT Dual
boom nozzle bracket
extension



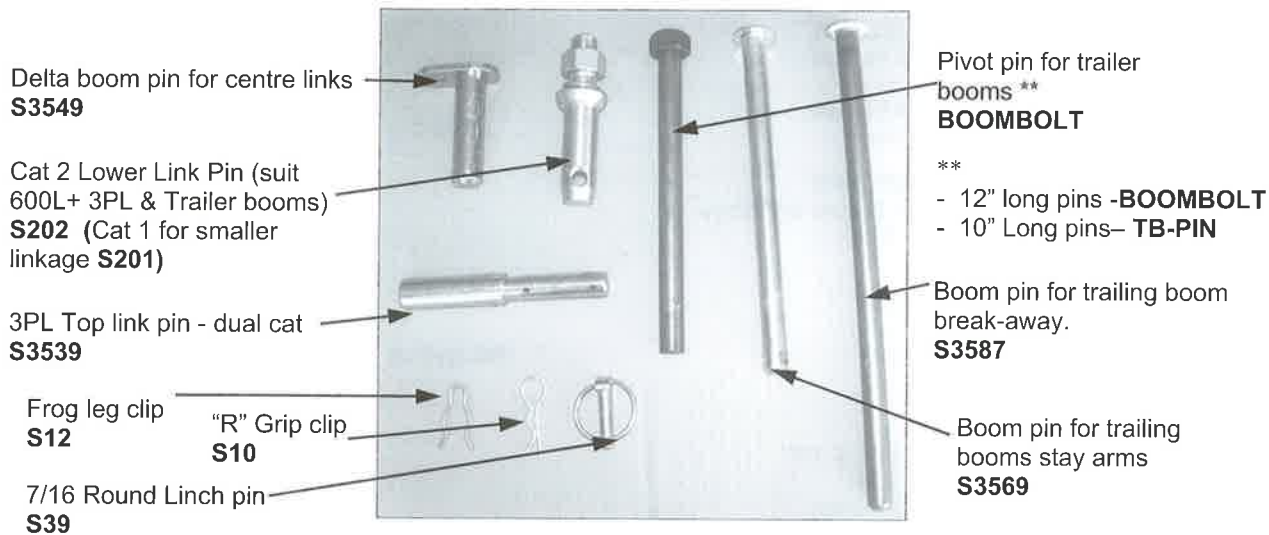
BEARINGS AND ROLLERS



| POSITION NO. | DESCRIPTION | PART NO. |
|--------------|--|------------------|
| 1 | 1" Roller for delta boom 6205 | ROLLER1 |
| | 1 1/8" Roller for delta boom R18 | ROLLER2 |
| | 30mm Roller for delta boom 6006 | ROLLER3 |
| 2 | 2 hole flange bearing for self leveller cross over booms | UCFL205 |
| 3 | Sealed bearing for Delta mast roller | 6205-2RS |
| 4 | Roller for Delta mast triple spring support 6006 | LO10M-EX |
| 5 | Three spring roller mount | ROLLMT |
| | Two spring roller mount | ROLLMT2 |
| | One spring roller mount | ROLLMT1 |
| 6 | 1" pillow block bearing for Director Fan Shaft | UCP205-16 |

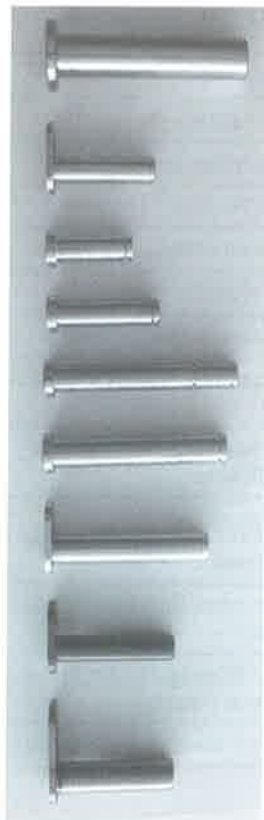


ATTACHMENT PINS



| CATEGORY | DIMENSIONS TOP LINK | DIMENSIONS LOWER LINK |
|----------|---------------------|-----------------------|
| Cat 1 | 3/4" 19mm | 7/8" 22mm |
| Cat 2 | 1" 25mm | 1 1/8" 28mm |
| Cat 3 | 1 1/4" 32mm | 1 7/16" 36mm |

DELTA BOOM PINS



PCH-019MACH 190mm x 40mm Main chassis pin

S3549 100mm x 1" pin

L054A 80mm x 1" Tilt ram pin

L001A 105mm x 1" Ram pin

L002A 180mm x 1" Boom pin

L003A 170mm x 1 1/8" Boom pin

PIN-118-115 150mm x 1 1/8" Paralift arm pin

PIN-1-110 110mm x 1" Paralift bottom pin

PIN-30-110 115mm x 30mm Spring roller pin.

24mm circlip suit L003A pin
54024004

19mm circlip suit L001A & L002A pins
54019004





HYDRAULIC CYLINDER FITTINGS

**BITELOCK CRIMP COUPLINGS****T02-6** 1/2" BSPP Female

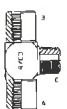
(Hydraulic lift)

T02-2 1/4" BSPP Female

(Hydraulic fold)

**BITELOCK CRIMP COUPLINGS****T05-1** 1/4" BSPP Female 90° Elbow

(Hydraulic fold)

**ADAPTORS****S93-26** A 1/4" B 3/4"
(Hydraulic fold)**S93-10** A 1/2" B 3/4"
(Hydraulic lift)**ADAPTORS - TEES****S50-1** A 1/4" B 1/4" C 1/4"(Hydraulic fold -
standard cylinders)**CYLINDER PORT BREATHERS****PMBHF6** 3/4" ORB (with O Ring)

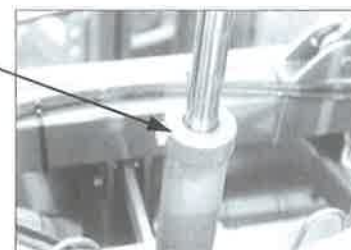
(Hydraulic lift)

S93-26

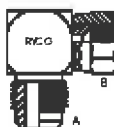
T05-1



PM-BHF-6



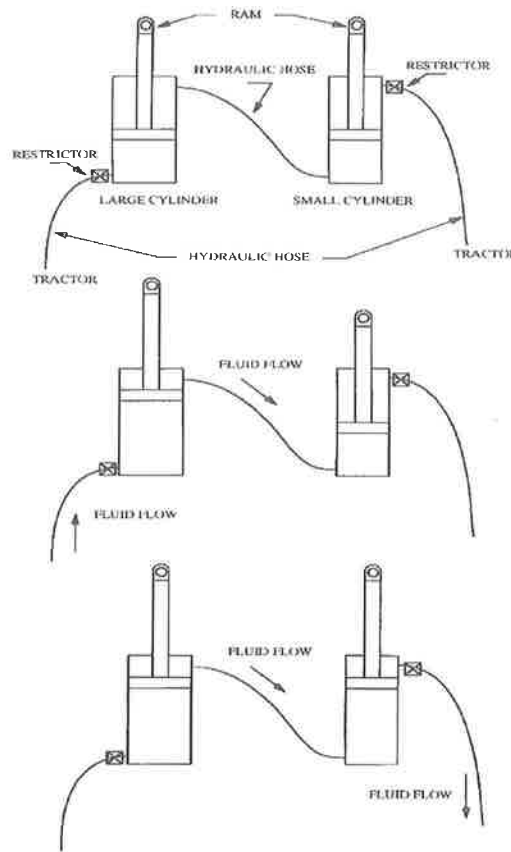
HYDRAULIC HOSE

**S15****T201****S25**

| Part Number | Length (metres) | Hose size | Coupling A | Coupling B | To suit: |
|-------------|-----------------|-----------|------------|------------|---|
| HL01/GA | 11.7 | 1/4" | S25-0404 | S01-0404 | 18—21 Mt fold |
| HL03/GA | 7.8 | 1/2" | S01-0808 | S15-0808 | 18—21 Mt mast fold |
| HL04/GA | 12.28 | 1/4" | S25-0404 | S01-0404 | 24 Mt + fold |
| HL06/GA | 8.23 | 1/4" | S01-0404 | S01-0404 | 24 Mt + mast |
| HL07/GA | 0.90 | 1/4" | S01-0404 | S01-0404 | Old hydraulic jack |
| HL08/GA | 1.1 | 1/2" | S15-0808 | S15-0808 | Hydraulic drive |
| HL09/GA | 0.30 | 1/2" | S15-0808 | S01-0808 | Hydraulic drive |
| HL10/GA | 3.75 | 1/4" | S01-0404 | Nil | Case drain Director |
| HL11/GA | 0.60 | 1/4" | T202-0404 | T202-0404 | Oil pressure gauge Director |
| HL12/GA | 2.50 | 1/2" | T201-0808 | T201-0808 | Pressure hose Director control valve |
| HL13/GA | 0.67 | 1/2" | T201-0808 | T201-0808 | Feed hose from valve to motor—Director |
| HL14/GA | 4.60 | 1/2" | T201-0808 | T201-0808 | Mast close Director |
| HL15/GA | 3.70 | 1/2" | T201-0808 | T201-0808 | Mast open Director |
| HL16/GA | 2.25 | 3/4" | T202-1212 | T202-1212 | Return hose from control hose Director |
| HL17/GA | 0.67 | 3/4" | T202-1212 | T202-1212 | Return from hyd motor to control valve Director |
| HL19/GA | 3.1 | 1/4" | S15-0808 | S15-0808 | Junction hose all Delta booms |



HYDRAULIC PHASING CYLINDERS



Lycos Hydraulic phasing cylinders (yellow or green)

PTE Hydraulic phasing cylinders (black)

For the raised side-fold Delta Booms, hydraulic phasing cylinders (rams) are used in the folding operation of the boom. This ensures that both sides of the boom are synchronised and thus open and close together so that the weight distribution is the same for both sides of the boom.

As hydraulic fluid enters one cylinder, it acts upon the first ram and causes it to move. This motion results in an amount of fluid entering a second cylinder which causes the second ram to move an equivalent distance.

There is a difference in the diameter of these two cylinders because the volume of hydraulic fluid transferred from the first cylinder to the second cylinder is the volume caused by the first ram moving, minus the volume of the actual enclosed first ram. Hence the diameter of the second cylinder will need to be smaller than that of the first cylinder for this volume of oil being transferred to produce the same motion for both rams.

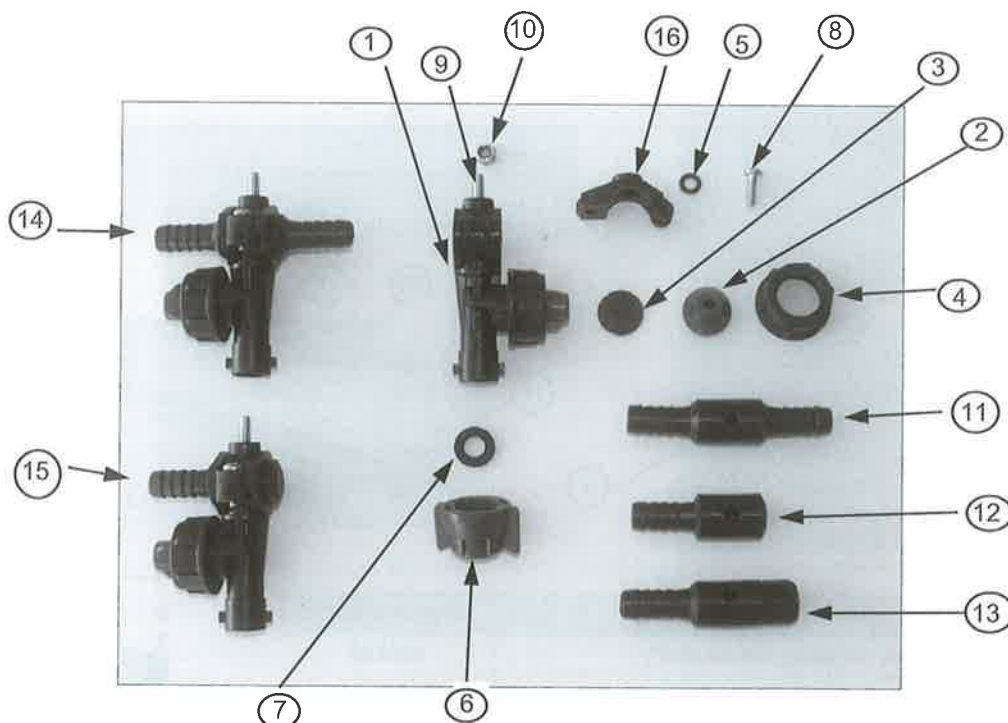
There is also a flow restriction for each ram so that the hydraulic fluid will enter and leave the respective cylinders at a controlled rate. This has the effect of slowing down the rate of fluid transfer and thus causes the boom to open and close more slowly.

RE-PHASING THE RAMS

If the sides of the boom do not fold together so that they become out of line, the hydraulic rams will need to be re-phased. To do this, depending on whether the boom is to be folded or unfolded, close the boom right up or open the boom right out and continue to hold the control lever in that position until the rams are synchronised. This may need to be done periodically.



DRY BOOM NOZZLE BODIES (ARAG) 1994 - 2003 GOLDACRES SPRAYERS



| ITEM | DESCRIPTION | PART NUMBER |
|------|-----------------------------------|-------------|
| 1 | Quick Coupling Uni-Jet (1/2") | 402735 |
| 2 | Non-Drip Check Valve | 005860.030 |
| 3 | Non-Drip Check Valve Diaphragm | 005860036 |
| 4 | Fly Nut (3/4") | 200030 |
| 5 | O-Ring for Jet Hole | 400020.030 |
| 6 | Cap | 402901 |
| 7 | Seal | 402200040 |
| 8 | Self-Threading Screw | V2B25F |
| 9 | 15 x 6 Bolt | M15X6 |
| 10 | 6mm Nyloc Nut | NN6 |
| 11 | T - Nozzle Manifold (In-line) | 427213 |
| 12 | L - Nozzle Manifold (End) | 426213 |
| 13 | Threaded Manifold | 428213 |
| 14 | T - Nozzle Body (less cap & seal) | 402735A-T |
| 15 | L - Nozzle Body (less cap & seal) | 402735A-L |
| 16 | Manifold hinge | 400530.020 |

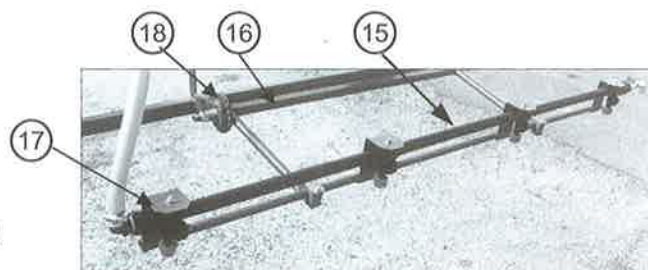
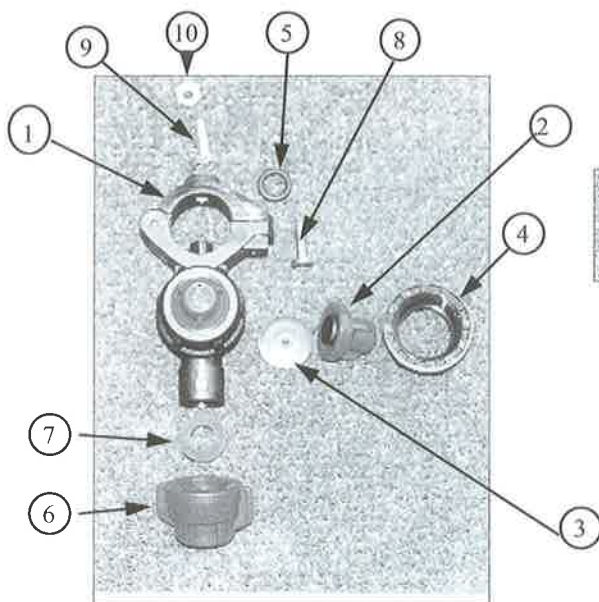
Handy Hints



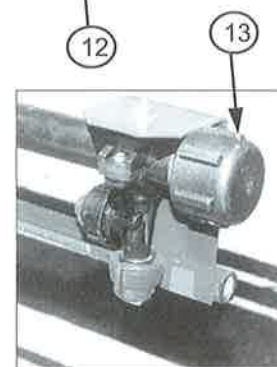
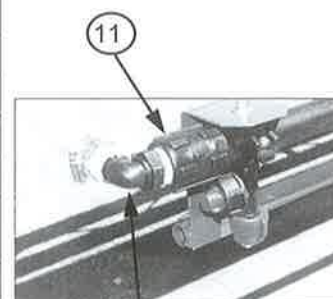
Please note:
Fly nut 3/4" 200030
can be interchanged
with Udor 3/4" pres-
sure nut 1049



WET BOOM NOZZLE BODIES (ARAG)

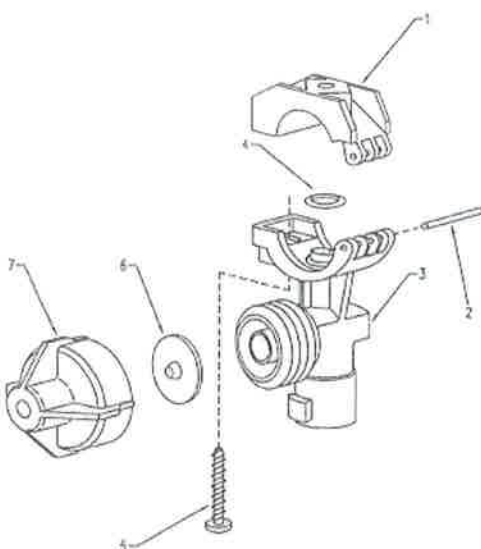


| ITEM | DESCRIPTION | PART NUMBER |
|------|--|--|
| 1 | Quick Coupling Uni-Jet (3/4") | 402755 |
| 2 | Non-Drip Check Valve | 005860.030 |
| 3 | Non-Drip Check Valve Diaphragm | 005860036 |
| 4 | Fly Nut (3/4") | 200030 |
| 5 | O-Ring for Jet Hole | 400040.030 |
| 6 | Cap | 402900 |
| 7 | Seal | 402200040 |
| 8 | Self-Threading Screw | V2B2SF |
| 9 | 15 x 6 Bolt | M15X6 |
| 10 | 6mm Nyloc Nut | NN6 |
| 11 | 3/4" Pipe Socket | CPLG075 |
| 12 | 3/4" Thread Hose Barb Elbow 3/4" Thread Hose Barb | EL34 A34 |
| 13 | 3/4" Pipe Cap | CAP075 |
| 14 | 3-Nozzle Manifold (Bare & Drilled) 4-Nozzle Manifold (Bare & Drilled) 5-Nozzle Manifold (Bare & Drilled) 6-Nozzle Manifold (Bare & Drilled) 7-Nozzle Manifold (Bare & Drilled) | RT20MM1200 RT20MM1600 RT20MM2100 RT20MM2600 RT20MM3100 |
| 15 | 4-Nozzle Manifold Complete (less tips & Strainers) 5-Nozzle Manifold Complete (less tips & Strainers) 6-Nozzle Manifold Complete (less tips & Strainers) 7-Nozzle Manifold Complete (less tips & Strainers) | 4-NOZWB 5-NOZWB 6-NOZWB 7-NOZWB |
| 16 | Trailer boom jet arm | TB*A |
| 17 | Trailer boom jet bracket | TB*B |
| 18 | Clacker plate (serrated plate) | CLACK |



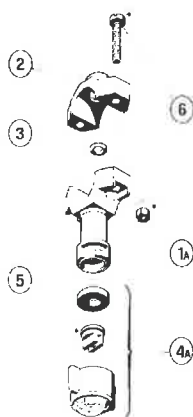


TEEJET QJ17560A-3/4-NYB NOZZLE BODY



| ITEM | PART NO. | DESCRIPTION |
|--|---------------------|--|
| 1 | CP48223-NYB | Upper Clamp, 1/2", Nylon (Black) |
| | CP48221-NYB | Upper Clamp, 3/4", Nylon (Black) |
| | CP48222-NYB | Upper Clamp, 1", Nylon (Black) |
| | CP48220-NYB | Upper Clamp, 20mm, Nylon (Black) |
| | CP48224-NYB | Upper Clamp, 25mm, Nylon (Black) |
| 2 | CP48256-SS | Pivot Pin, Stainless Steel |
| 3 | CP48496-NYB | Body, 1/2", Nylon (Black) |
| | CP48498-NYB | Body, 3/4", Nylon (Black) (for 3/4" and 25mm versions) |
| | CP48499-NYB | Body, 1", Nylon (Black) |
| | CP48497-NYB | Body, 20mm, Nylon (Black) |
| 4 | CP7717-2-110-BU | O-Ring, Buna-N |
| | CP7717-2-110-VI | O-Ring, Viton |
| 5 | CP48255-1-1/4-302SS | Screw, Stainless Steel |
| 6 | CP21953-EPR | Diaphragm, EPDM |
| | CP21953-VI | Diaphragm, Viton |
| 7 | 21950-10-NYB | End Cap Sub-Ass'y, Nylon (Black) |
| No. QJ17560A-1/2-NYB(-VI) - Hinged Nozzle Body Assembly | | |
| No. QJ17560A-3/4-NYB(-VI) - Hinged Nozzle Body Assembly | | |
| No. QJ17560A-1-NYB(-VI) - Hinged Nozzle Body Assembly | | |
| No. QJ17560A-20mm-NYB(-VI) - Hinged Nozzle Body Assembly | | |
| No. QJ17560A-25mm-NYB(-VI) - Hinged Nozzle Body Assembly | | |
| Note: -VI in part number specifies Viton material for parts #4 and 6 | | |

ARAG NOZZLE BODIES (OLD STYLE) WITHOUT NON-DRIP

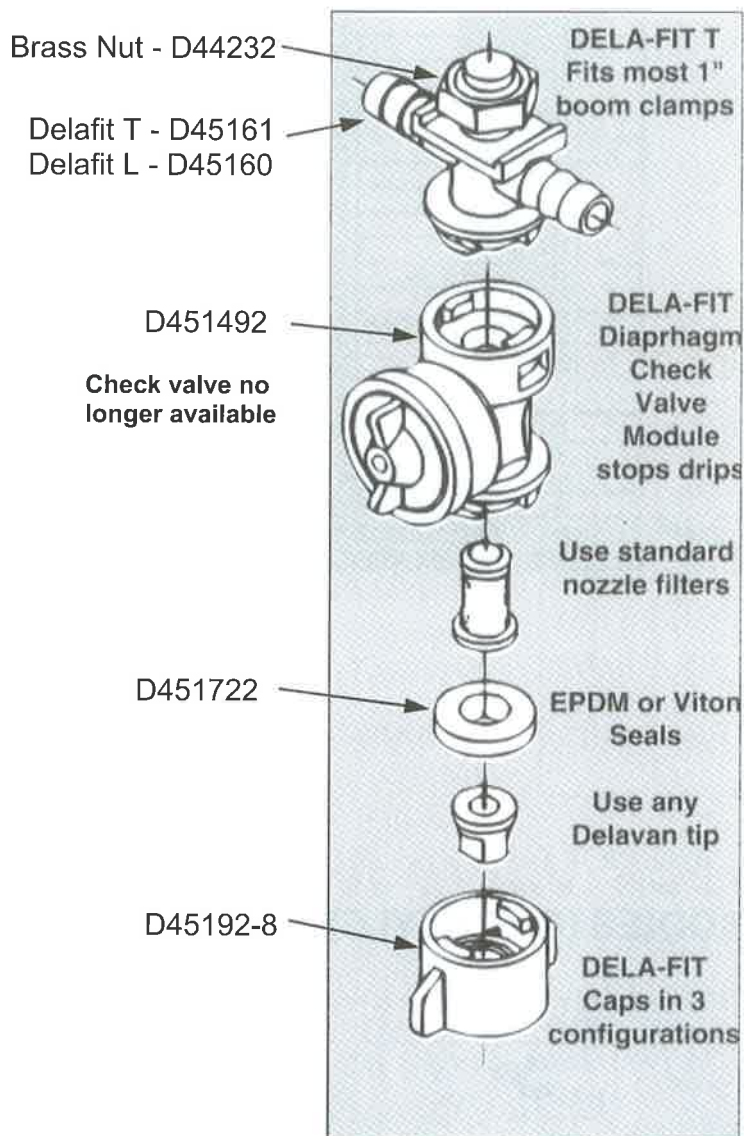


| ITEM NO. | DESCRIPTION |
|----------|--|
| 1A | Quick coupling jet body/pipe 1/2" |
| 2 | Jet clamp |
| 3 | O ring for jet hole |
| 4A | Cap |
| 5 | Seat |
| 6 | Screw and nut kit |
| | In-line (T) nozzle body without non-drip |
| | End (L) nozzle body without non-drip |

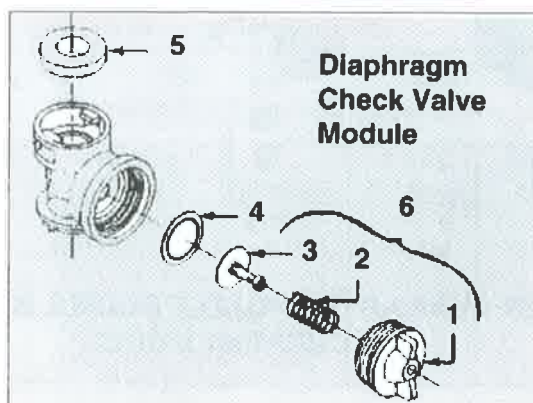
PARTS NO LONGER AVAILABLE - NOZZLE BODIES MUST BE REPLACED WITH CURRENT MODEL



DELEVAN NOZZLE BODIES GOLDACRES SPRAYERS TO APPROX. 1986

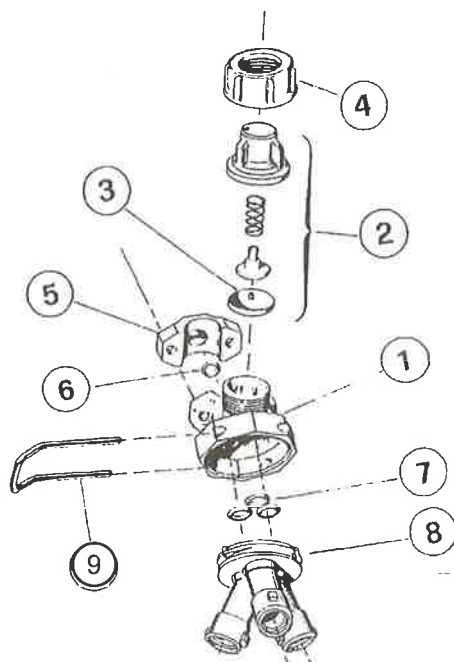


It is advisable to replace Delevan nozzle bodies with TeeJet or Arag nozzle bodies.





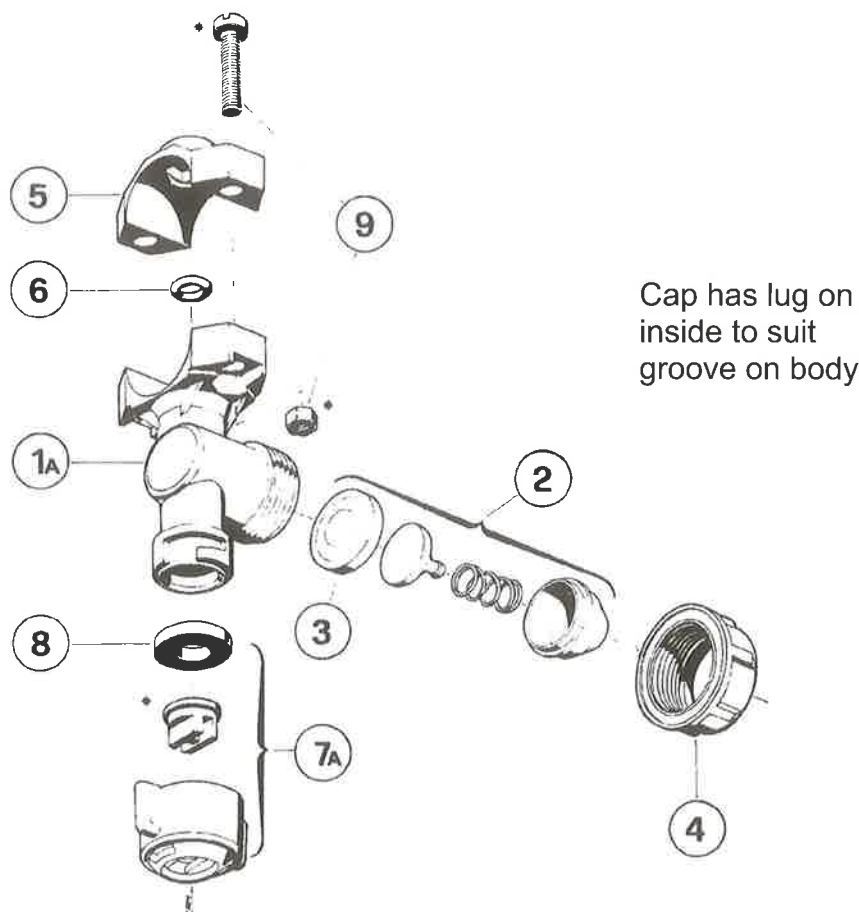
ARAG TRIJET BODY WITH DCV GOLDACRES SPRAYERS APPROX. PRE 1997



| ITEM NO. | DESCRIPTION | PART NO. |
|----------|--|-------------|
| 1 | Tri-Jet body (1/2") | 4012035.010 |
| 2 | Non-drip check valve | 005860.030 |
| 3 | Non-drip check valve diaphragm | 005860036 |
| 4 | Fly nut (3/4") | 200030 |
| 5 | Clamp (1/2") | 400030.020 |
| 6 | O-ring for jet hole | 400020.030 |
| 7 | O-ring for Tri-jet nozzle holder | 004500.090 |
| 8 | Quick coupling Tri-jet nozzle holder | 4012200.020 |
| 9 | Tri-jet fork lock | 401000.080 |
| | Arag Tri-jet Body with DCV | 4012235 |
| | Arag Tri-jet Body with DCV with T manifold | 4012235A-T |
| | Arag Tri-jet Body with DCV with L manifold | 4012235A-L |



SUPERCEDED ARAG MODEL NOZZLE BODIES GOLDACRES SPRAYERS FROM 1986 - 1994 (APPROX.)



| ITEM | DESCRIPTION |
|------|---|
| 1A | Quick Coupling Uni-get Body/pipe 1/2" F10 |
| 2 | 0.5 bar anti drip set |
| 2 | 1 bar anti drip set |
| 3 | Anti-drip Diaphragm in EPDM |
| 4 | 3/4" Fly Nut |
| 5 | 1/2" Jet Clamp |
| 6 | O-ring for Jet Hole 7 D. 6x2.5 |
| 6 | O-ring for Jet Hole 10 D. 9.1x2.6 |
| 7A | Cap |
| 8 | Seal |
| 9 | Screw and Nut Kit |

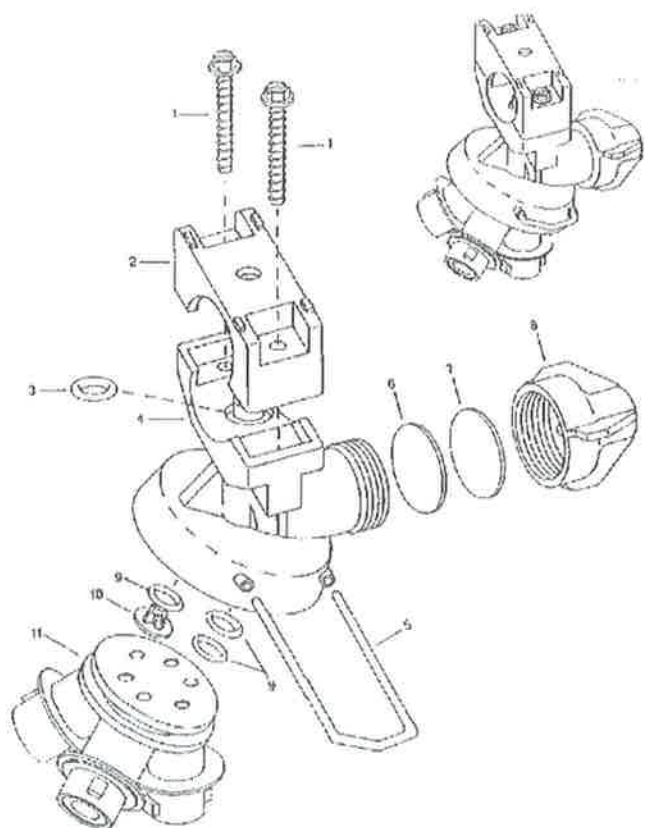
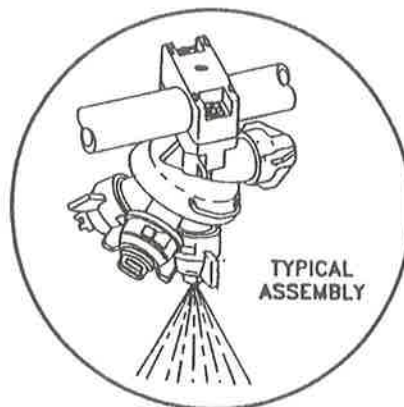
**PARTS NO LONGER AVAILABLE - NOZZLE BODIES MUST BE
REPLACED BY TEEJET OR ARAG NOZZLE BODIES**



QUICK TEEJET TRIPLE BODY GOLDACRES SPRAYERS APPROX. 1997 - CURRENT

FEATURES:

- * Quick hand indexing with choice of three different spray tips for easier changing of spray patterns or application rates.
- * Drip-free positive shut-off.
- * Shut-off position provided between any two spraying positions.
- * Fast and easy way to mount spray nozzles to a boom.
- * Made of corrosion resistant materials.
- * Maximum operating pressure - 150 psi (10 bar).
- * For use with Quick TeeJet caps, TeeJet strainers and TeeJet tips.



| ITEM | PART NO | DESCRIPTION |
|------|---------------------|--|
| 1 | CP20123-1-1/4-430SS | Screw type 430 stainless steel |
| 2 | CP24222-NYB | Upper clamp, nylon (black) |
| 3 | CP7717-2/110-BU | O Ring, Buna-N |
| 4 | CP24220-NYB | Main body with lower clamp, nylon (black) |
| 5 | CP24221-304SS | Clip, type 304 stainless steel |
| 7 | CP21953 | Diaphragm, EPDM rubber |
| 8 | 21950-10-NYB | Chem saver end cap assembly, nylon (black) |
| 9 | CP7717-2/109EPR | O Ring, EPDM rubber (3 reqd) |
| 10 | CP24224-CE | Indexing button, celcon (grey) |
| 11 | 24217-CE | Indexing plate sub Assy, celcon (black) |

QUICK TEEJET TRIPLE NOZZLE 3/4"

24216-3/4-NYB

Also available in 1/2"
Also available in 1"

24216-1/2-NYB
24216-1-NYB



HIGH PRESSURE ADJUSTABLE VINE NOZZLE



The high pressure adjustable vine nozzle has an adjustable spray pattern that can be altered by twisting the adjusting nut.

(To suit Vertical Vine Boom)
Maximum pressure: 5000 kpa

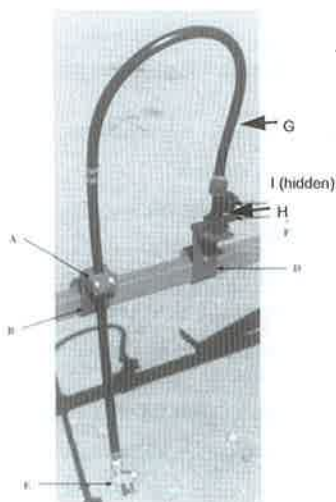
ADJUSTABLE VINE NOZZLE **002700**

Nozzle to suit - 1mm **002710**

Nozzle to suit - 1.5mm **002715**

GOLDACRES DROPPERS

The Goldacres dropper has been designed to provide excellent nozzle adjustment capability. Both horizontal and vertical adjustment is possible and the non-drip check valve serves to eliminate any wastage when spraying is finished. The dropper can be attached to any boom component.



Droppers & single swivel **DROP1**
Droppers & double swivel **DROP2**

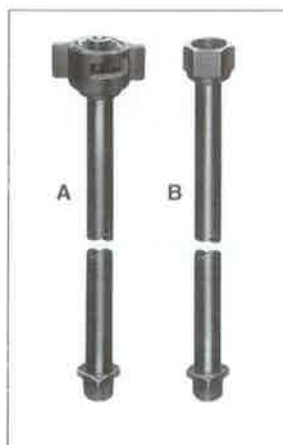
| POSITION | DESCRIPTION |
|----------|--|
| A | Nylon clamp for vertical height adjustment |
| B | Dropper bracket for horizontal adjustment |
| C | Non-drip check valve |
| D | Nozzle bracket |
| E | Single or double brass swivel |
| F | Nozzle body manifold (in-line or end) |
| G | Dropper hose |
| H | Quick fitting cap - round hole |
| I | 1/2" flat seat swivel hose barb (hidden) |

TeeJet® Hose Drops

Hose drops connect to standard and Quick TeeJet® nozzle bodies and can also be used with swivels. Available in 15" (380mm) and 24" (610mm). Maximum operating pressure 9 bar.

| Item | Hose Drop No. | Length | Inlet Connection | Outlet Connection |
|------|----------------|--------|---------------------------|-------------------|
| A | 21353-6-15-NYB | 15" | Quick TeeJet Type | 1/4" NPT (M) |
| | 21353-6-24-NYB | 24" | | |
| B | 21354-15-NYB | 15" | 1 1/2" - 16 TeeJet Thread | 1/4" NPT (M) |
| | 21354-24-NYB | 24" | | |

Material: Item A - Nylon with Quick TeeJet® cap and EPDM gasket.
Item B - Nylon throughout.



Note: QJ1/4T-NYB can be attached to hose drops for use with Quick TeeJet® caps.


















Quick TeeJet® Caps

The Quick TeeJet® caps are designed with grooves that fit locating lugs on the nozzle body. Caps are made of nylon and are available for use with all TeeJet® spray tips. Maximum operating pressure of 20 bar.

These caps are only to be used with TeeJet nozzle bodies.

| Type | Part Number Quick TeeJet® Cap Only | Part Number Quick TeeJet® Cap & Seat Gasket Seat | For Use with Spray Tips |
|---|--|---|---|
|  | CP25611-* -NY | 25612-* -NYR | TeeJet® Flat Spray Tips (Smaller Capacities) Standard -0067 Thru -08 XR -01 Thru -08 DG -015 Thru -05 |
|  | CP25611-9-PP† | 25612-9-PP | |
|  | CP25609-* -NY | 25610-* -NYR | TeeJet® Flat Spray Tips (Larger Capacities) Standard -10 Thru -20 XR -10 Thru -15 |
|  | CP25597-* -NY | 25598-* -NYR | TJ TwinJet® No. TJ60...Spray Tip |
|  | CP25599-* -NY | 25600-* -NYR | Turbo FloodJet® VisiFlo® Spray Tip TK-VS FloodJet® VisiFlo® Spray Tip |
|  | CP25607-* -NY | 25608-* -NYR | TK FloodJet® FL FullJet® TX ConeJet® TG Full Cone® |
|  | CP25607-9-PP† | 25608-9-PP | |
|  | CP25607-* -NY | - | **Used with Disc-Core Sprays (Insert Core into Seal) |
|  | CP26277-1- NY** | 26278-1- NYR** | Ceramic Disc-Core |
|  | - | QJ4676** | Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle. |
|  | - | QJ19840** | Provides three solid stream orifices of equal capacity. |
|  | - | 402909 19843-NYR** | Arag shut off cap. Provides shutoff at nozzle for quick spacing change or change in spray swath. |
|  | D26586-Q5-7- NY** | | Provides eight solid stream orifices of equal capacity. |

CP23307 TeeJet cap Hardi retrofit suit XR & TT

* Specify colour-code (see chart).

** These Quick TeeJet caps available only in black.

† Polypropylene Quick TeeJet caps available only in grey.

| Colour of Cap | Colour Code | Colour of Cap | Colour Code |
|------------------|-------------|------------------|-------------|
| Black | 1 | Green | 5 |
| White | 2 | Yellow | 6 |
| Red | 3 | Brown | 7 |
| Blue | 4 | Orange | 8 |

TO ORDER: For cap and seat gasket set, specify set no. & colour code. Example: 25612-3-NYR

For cap only, specify part no. & colour-code. Example: CP25597-4-NY

For seat gasket, specify part no. Example: CP19438-EPR



Quick TeeJet

NOZZLE BODIES ORDERING INFORMATION

FOR DRY BOOMS

QJ100 Series Hose Shank Nozzle Bodies (Less clamps)



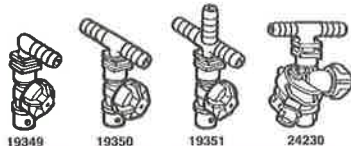
| Part Number | | | To fit Hose I.D. |
|-------------------|-------------------|-------------------|------------------|
| Single | Double | Triple | |
| 18635111406NYB | 18636112406NYB | 18637-113-406NYB | 3/8" |
| 18638-111-540-NYB | 18639-112-540NYB | 18640-113-540NYB | 1/2" |
| 18719-111-785-NYB | 18720-112-785-NYB | 18721-113-785-NYB | 3/4" |

Vari-Spacing Clamps



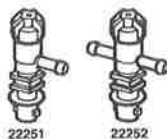
| PART NO | TO CLAMP ON |
|--------------|---|
| QJ111-1/2 | 1/2" pipe (13/16" & 7/8" OD Tubings) |
| QJ1113/4 | 3/4" pipe (1" & 1 1/16" OD Tubings) |
| QJ111-1 | 1" pipe (1 1/8", 1 1/4", & 1 3/8" OD Tubings) |
| QJ111-11/4 | 1 1/4" pipe (1 9/16" & 1 11/16" OD Tubings) |
| QJ111SQ-3/4 | 3/4" Square Tubing (19mm) |
| QJ111SQ-1 | 1" Square Tubing (25mm) |
| QJ111SQ-11/4 | 1 1/4" Square Tubing (32mm) |
| QJ111SQ-11/2 | 1 1/2" Square Tubing (38mm) |

QJ200 Series Hose Shank Diaphragm Check Valves (less clamps)



| PART NUMBER | | | TO FIT HOSE I.D. |
|-------------------|-------------------|-------------------|------------------|
| SINGLE | DOUBLE | TRIPLE | |
| 19349-211-406-NYB | 19350-212-406-NYB | 19351-213-406-NYB | 3/8" |
| 19349-211-540-NYB | 19350-212-540-NYB | 19351-213-540-NYB | 1/2" |
| 24230-1-540 NYB | 24230-2-540 NYB | | 1/2" |
| 19349-211-785-NYB | 19350-212-785-NYB | 19351-213-785-NYB | 3/4" |
| 24230-1-785-NYB | 24230-2-785-NYB | | 3/4" |

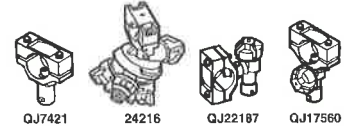
QJ300 Series Hose Shank Diaphragm Check Valves Hi-Pressure Quick TeeJet Nozzle Body (up to 20 bar) - (less clamps)



| PART NUMBER | | TO FIT HOSE I.D. |
|-------------------|-------------------|------------------|
| SINGLE | DOUBLE | |
| 22251-311-375-NYB | 22252-312-375-NYB | 3/8" |
| 22251-311-500-NYB | 22252-312-500-NYB | 1/2" |
| 22251-311-750-NYB | 22252-312-750-NYB | 3/4" |

FOR WET BOOMS

Split Eyelets



| PART NUMBER | PIPE CONNECTION |
|-----------------|-----------------|
| QJ17560-1/2-NYB | 1/2" pipe |
| QJ17560-3/4-NYB | 3/4" pipe |
| QJ17560-1-NYB | 1" pipe |
| QJ7421-1/2-NYB | 1/2" pipe |
| QJ7421-3/4-NYB | 3/4" pipe |
| QJ7421-1-NYB | 1" pipe |
| QJ22187-1/2-NYB | 1/2" pipe |
| QJ22187-3/4-NYB | 3/4" pipe |
| QJ22187-1-NYB | 1" pipe |
| 242161/2NYB | 1/2" pipe |
| 242163/4NYB | 3/4" pipe |
| 24216-1-NYB | 1" pipe |

All wet boom nozzle assemblies mount to a 9.5mm hole drilled in pipe or tubing.

Diaphragm Check Valves

Diaphragm Check Valve
Quick TeeJet Nozzle Body Assembly



| PART NUMBER | PIPE CONNECTION |
|----------------|-----------------|
| QJ8360-NYB | 1/4" NPT (M) |
| QJ8355-1/8-NYB | 1/8" NPT (F) |
| QJ83551/4NYB | 1/4" NPT (M) |

Nozzle Body

Quick TeeJet Nozzle Body



| PART NUMBER | PIPE CONNECTION |
|---------------|-----------------|
| QJ1/4TT-NYB | 1/4" NPT (M) |
| QJ1/4T-NYB | 1/4" NPT (F) |
| 22674-1/4-NYB | 1/4" NPT (M) |

ADAPTERS FOR RETROFITTING



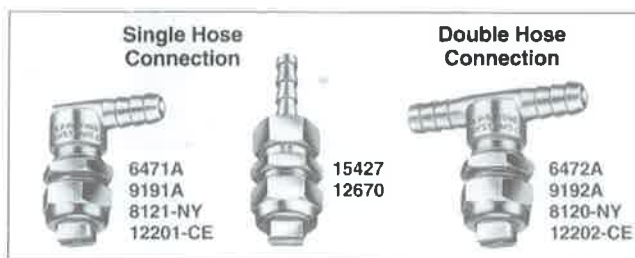
| PART NUMBER | TO FIT |
|-------------|---------------------------|
| QJT-NYB | 11/16" - 16 TeeJet Thread |
| QJT8360-NYB | 11/16" - 16 TeeJet Thread |

**TeeJet®****HOSE SHANK NOZZLE BODIES****FOR OPERATING PRESSURES UP TO 9 BAR**

Brass, aluminium, stainless steel, nylon and Celcon/
stainless steel hose shank nozzle bodies.

TO ORDER:

To order body assembly only; specify hose shank
assembly number. Example: 12202-CE-1062



| Hose Shank Body Assembly No. | | To Fit Hose I.D. | Material |
|------------------------------|-------------------|------------------------|---|
| Single Hose Shank | Double Hose Shank | | |
| 15427-296 | | 1/4" | Brass |
| 6471A-400TD | 6472A-400TD | 3/8" | |
| 9191A-531TD | 9192A-531TD | 1/2" | |
| 6471-ALEF-C400TD | 6472-ALEF-C400TD | 3/8" | Aluminum Electrofilmed |
| 9191-ALEF-C531TD | 9192-ALEF-C531TD | 1/2" | |
| 6471-SS-C400TD | 6472-SS-C400TD | 3/8" | Stainless Steel |
| 9191-SS-C531TD | 9192-SS-C531TD | 1/2" | |
| 8121-NYB-406TD | 8120-NYB-406TD | 3/8" | Nylon |
| 8121-NYB-540TD | 8120-NYB-540TD | 1/2" | |
| 12670-406TD | | 3/8" | |
| 12201-CE-785TD | 12202-CE-785TD | 3/4" | Celcon Hose Shank Stainless Steel Threaded Outlet |
| 12201-CE-1062TD | 12202-CE-1062TD | 1" | |

Note: Spray tip not included.

TeeJet®**CLAMP ASSEMBLIES**

Consists of Upper and Lower Clamps and Bolt for
use with hose shank nozzle bodies shown above.



| Part No. | To Clamp On |
|---------------|--|
| AA111-1/2 | 1/2" Pipe (1 1/8" & 3/4" O.D. Tubings) |
| AA111-3/4 | 3/4" Pipe (1" & 1 1/8" O.D. Tubings) |
| AA111-1 | 1" Pipe (1 1/2", 1 1/4" & 1 3/8" O.D. Tubings) |
| AA111-1 1/4 | 1 1/4" Pipe (1 5/8" & 1 7/8" O.D. Tubings) |
| AA111SQ-1 | 1" Square Tubing |
| AA111SQ-1 1/4 | 1 1/4" Square Tubing |

TeeJet®**SPLIT EYELET NOZZLE BODIES****FOR WET BOOMS**

- ~ Mounting on 1/2", 3/4" or 1" pipe or tubing.
- ~ Mounts to 9.5mm hole drilled in pipe or tubing.



| Split Eyelet Assembly No. | Nozzle Body Material | To Clamp On |
|------------------------------|----------------------|---|
| 7421-1/2T | Brass | 1/2" Pipe 1 3/8" O.D. Tubing 3/4" O.D. Tubing |
| 7421-1/2T-SS | Stainless Steel | |
| 7421-1/2T-NYB | Nylon | |
| 25775-1/2T-NYB | Nylon | 3/4" Pipe 1" O.D. Tubing 1 1/8" O.D. Tubing |
| 7421-3/4T | Brass | |
| 7421-3/4T-SS | Stainless Steel | |
| 7421-3/4T-NYB | Nylon | 1" Pipe 1 1/4" O.D. Tubing 1 3/8" O.D. Tubing |
| 25775-3/4T-NYB | Nylon | |
| 7421-1T | Brass | |
| 7421-1T-SS | Stainless Steel | |
| 7421-1T-NYB | Nylon | |
| 25775-1T-NYB | Nylon | |

HOW TO ORDER: Specify split eyelet assembly
no. Example: 7421-1/2T-SS



TeeJet®

SWIVEL NOZZLE BODIES

QUICK TEEJET® SWIVEL NOZZLE BODIES

QJ8600 swivel Quick TeeJet® nozzle body assemblies provide the same spray tip adjustability of a standard TeeJet® threaded swivel plus the quick change and self-aligning

| Part No. | | Pipe Thread |
|----------------|------------------|--------------|
| Single Swivel | Double Swivel | |
| QJ8600-1/4-NYB | QJ8600-2-1/4-NYB | 1/4" NPT (F) |

SWIVEL NOZZLE BODIES

TeeJet® swivel nozzle bodies are primarily for use with tips employed in rowcrop spraying. A locknut holds swivel bodies firmly in position at selected spray projection angle so they are not affected by jarring and vibration. For use at pressures up to 9 bar.

Note: Swivels do not include tips, strainers, or caps.

| Item | Swivel TeeJet Body Assembly No. | Inlet Pipe Conn. Female NPT | Material | Swivel Arc Range |
|------|---------------------------------|-----------------------------|----------|--------------------|
| A | 4183-1/4T | 1/4" | Brass | 280° |
| B | 4183B-1/4TA | | | Fixed 45° Position |
| C | 4202-2-1/4T | | | 280° |
| D | 5000-1/4T | | | |
| E | 5540-1/4TT | 1/4" | Brass | 280° |
| F | 5932-2-1/4T | 1/4" | | |
| G | 6240-1/4TT | 1/4" | | |
| H | 7450-2T | 1/4" | Nylon | 360° |
| I | 7620-T | | | |
| J | 8600-1/4T-NYB | | | |
| K | 8600-2-1/4T-NYB | | | |

* 1/4" NPT (M) inlet connection



QJ8600-2-1/4-NYB



QJ8600-1/4-NYB



A
Type 4183A
Single Swivel Nozzle



B
Type 4183B 45°
Fixed Position Nozzle



C
Type 4202
Double Swivel Nozzle



D
Type 5000
Single Swivel Nozzle



E
Type 5540
Single Swivel Nozzle



F
Type 5932
Double Swivel Nozzle
1/4" NPT female bottom outlet



G
Type 6240
Double Swivel Nozzle



H
Type 7450 Compact
Double Swivel Nozzle



I
Type 7620 Compact
Single Swivel Nozzle



J
Type 8600 Nylon
Single Swivel Nozzle



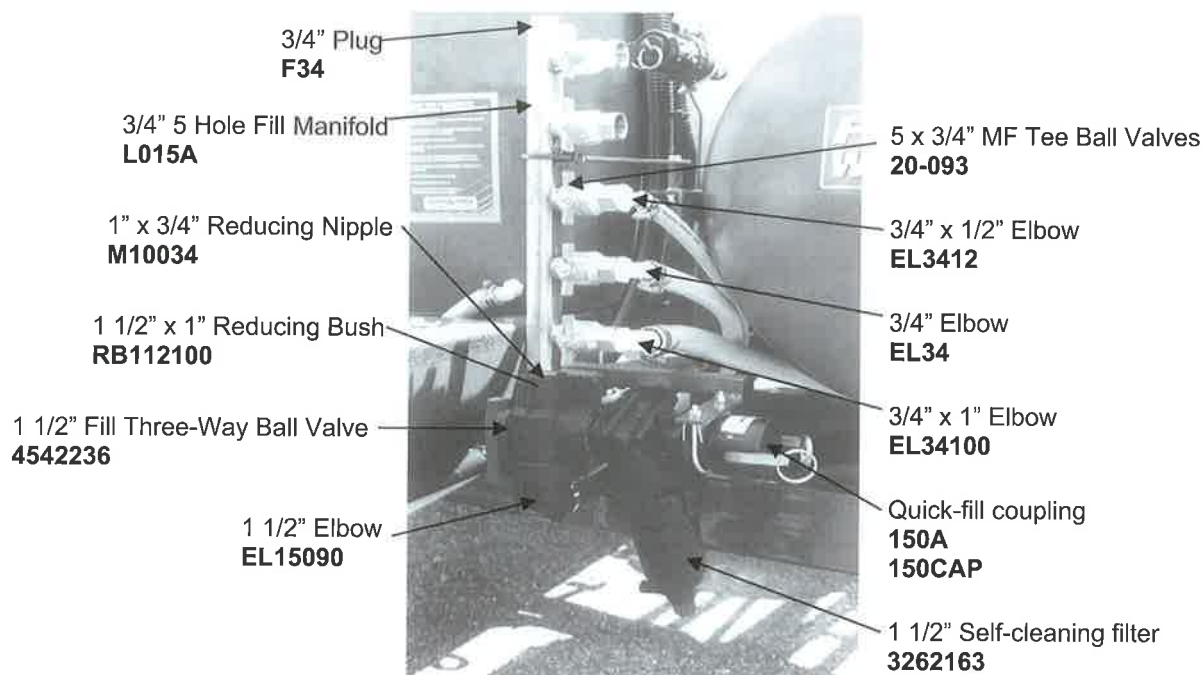
K
Type 8600-2 Nylon
Double Swivel Nozzle

TO ORDER: Example: 4202-2-1/4T - Brass



FILL MANIFOLDS

The Fill System incorporates the fill manifold, the self-cleaning filter, the fill three-way ball valve and the quick fill coupling. This system provides an easy method of utilising flow from the rinse water pumping supply to fill the various tanks on the sprayer and to rinse chemical drums via the induction hopper and the hopper itself. The maximum filling pressure provided by the rinse water pumping system should not exceed 100 psi.



Fill Manifold Complete 1 1/2"

FILLMAN



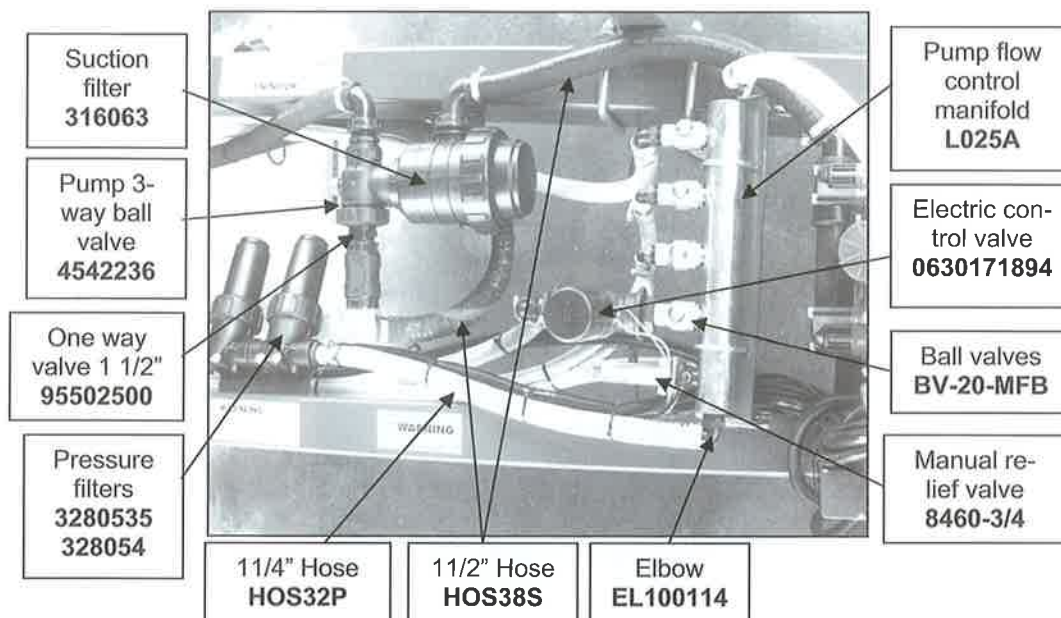
Fill Manifold Complete 2"

FILLMAN2

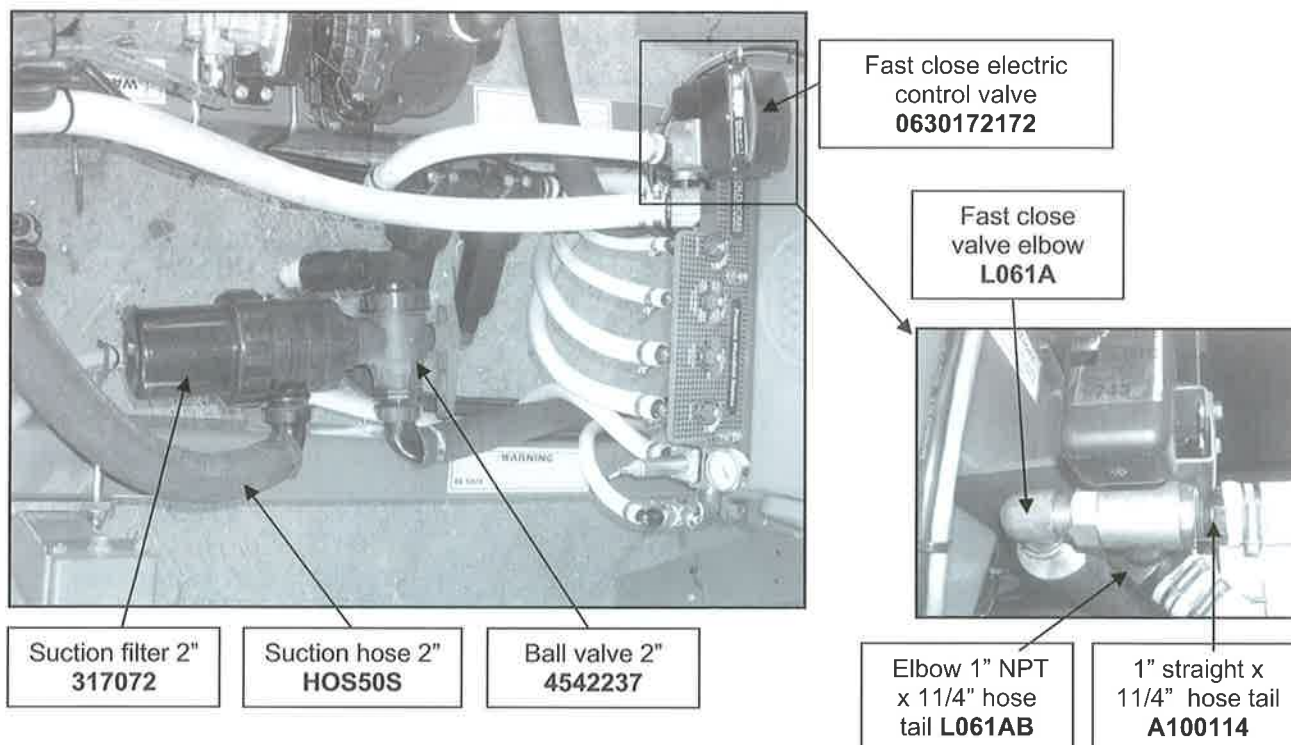


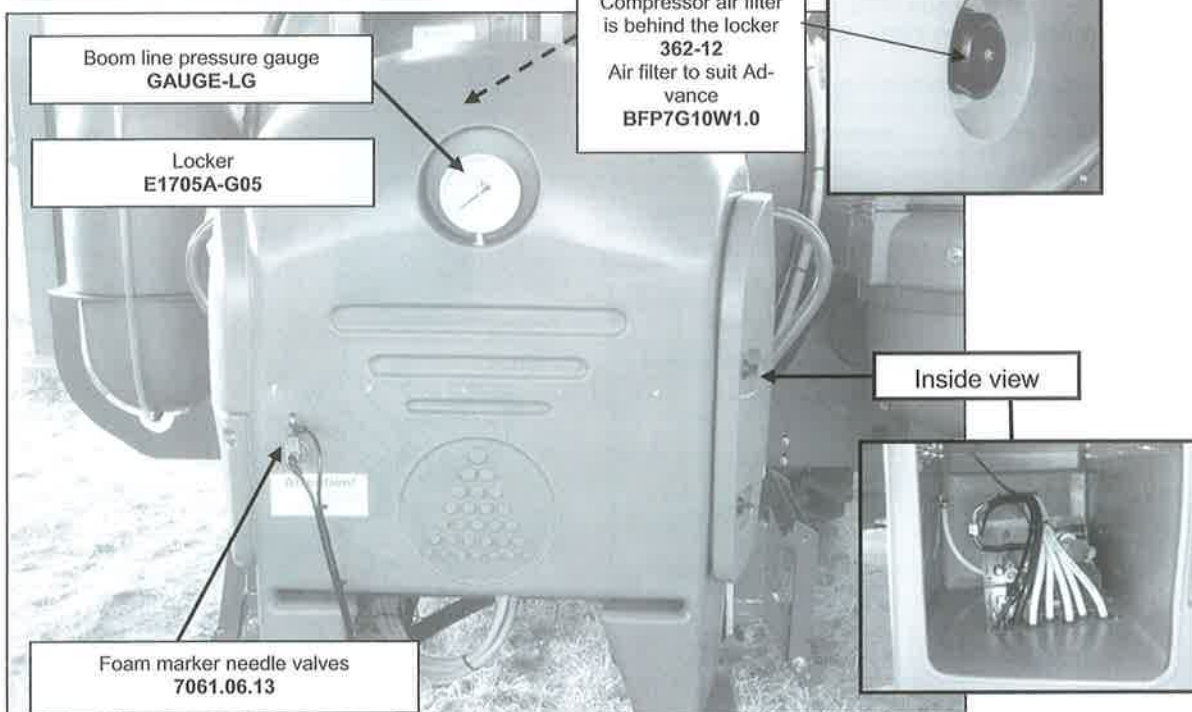
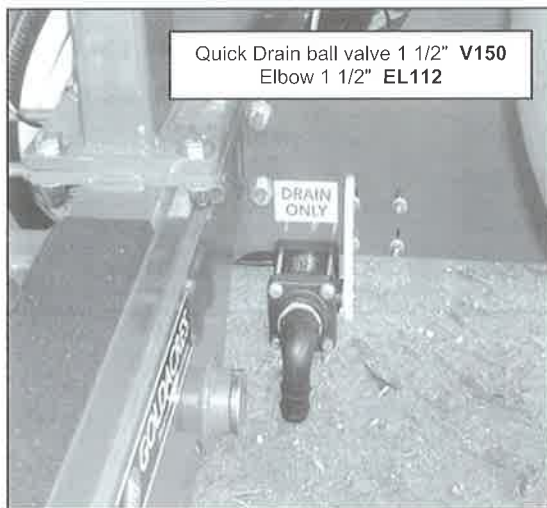
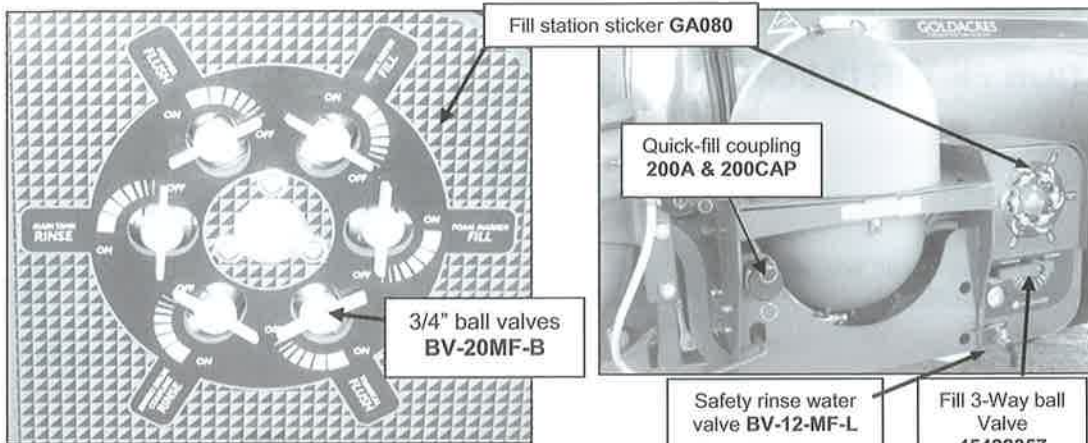
PRAIRIE PLUMBING SYSTEM

BASE MODEL:



2TS DUAL BOOM MODEL:





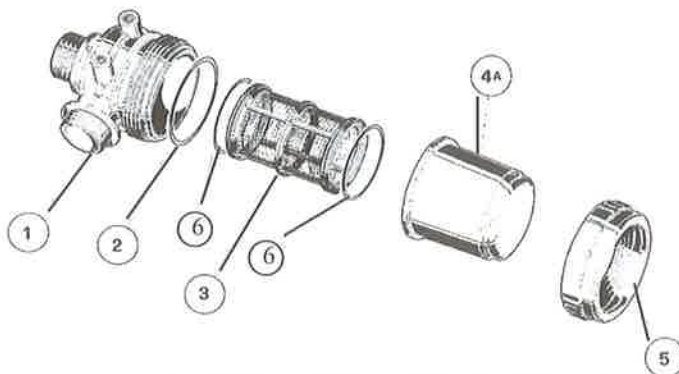


GOLDACRES SUCTION FILTERS

312 SUCTION FILTER (2 bolt) 1 1/4"

- Polypropylene housing.
 - EPDM seals.
 - Flow rate: 60 l/min.
- To suit 300 & 400L linkage units and all compact sprayers pre 1996.

312053 - 50 mesh screen



| POSITION | PART NUMBER | DESCRIPTION |
|----------|-------------------|-----------------------------------|
| 1 | 310050.010 | Suction filter body 1 1/4" thread |
| 2 | 310000.050 | Filter body O ring, 82.1x3.5 |
| 3 | 312003.030 | Blue screen 70x150 (50 mesh) |
| 4A | 312000.020 | Suction filter bowl |
| 5 | 310000.040 | Suction filter nut |
| 6 | 312300.060 | Screen O ring |

314 SUCTION FILTER (3 bolt) 1 1/2"

- Polypropylene housing.
- EPDM seals.
- Flow rate: 100 to 160 l/min.

- 3140635** - 80 mesh
- 314463** - 50 mesh and valve
- 3144635** - 80 mesh and valve

Figure 1: Pre 1996 600 and 800L linkage **314**

Figure 2: All linkage from 1996 **314-V (with Valve)**

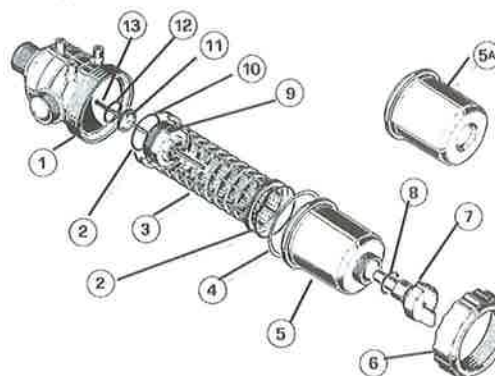
| POS. | PART NUMBER | DESCRIPTION |
|---------------------------|--------------------|--|
| 1 | 314160.010 | Suction filter body 1 1/2" |
| 2 | 314300.060 | O Ring 71.1x2.6 |
| 3 | 314003.030 | Blue screen 80x165 (50 mesh) |
| 3 | 3140035.030 | Grey screen 80x165 (80 mesh) |
| 4 | 314000.050 | O Ring 94.6x5.3 |
| 5A | 314000.020 | Suction filter bowl |
| 5 | 314400.020 | Suction filter bowl valve version |
| 6 | 314000.040 | Suction filter nut |
| Valve version only | | |
| 7 | 314400.060 | Bowl cap |
| 8 | 462300.230 | O Ring 31.0x2.5 Viton |
| 9 | 314400.070 | Valve body |
| 10 | 460000.190 | O Ring 56.8x2.6 |
| 11 | 314400.080 | Valve plunger |
| 12 | 462300.550V | O Ring 29.7x3.5 Viton |
| 13 | 314400.090 | Valve spring |



Figure 1



Figure 2





GOLDACRES SUCTION FILTERS

316 SUCTION FILTER

- Polypropylene housing.
- EPDM seals.
- Flow rate: 160 to 220 l/min.

For Prairie, Tray Mount, Director, and 1000L and above Linkage Sprayers.

Figure 1: **316-11/2 1 1/2"**

For Orchard Sprayers.

Figure 2: **316-11/2V 1 1/2" with Valve**
316-2V 2" with Valve

- 316063** - 50 mesh (1 1/2")
- 3160635** - 80 mesh (1 1/2")
- 316073** - 50 mesh (2")
- 3160735** - 80 mesh (2")

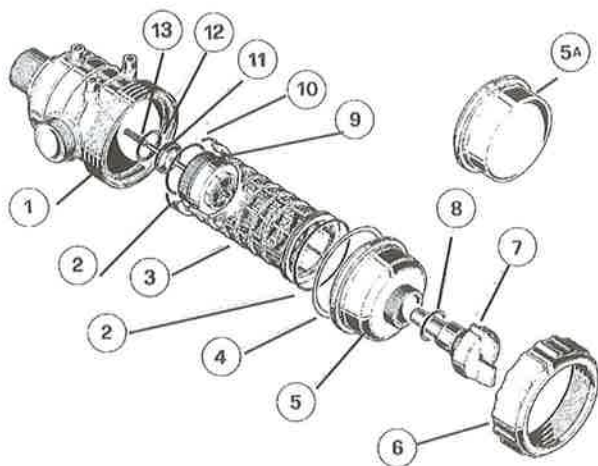


Figure 1



Figure 2



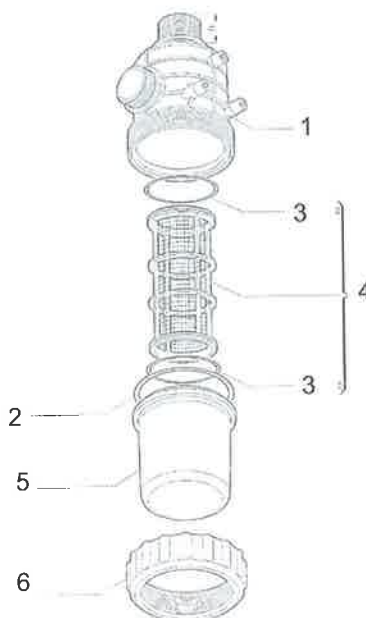
| POS. | PART NUMBER | DESCRIPTION |
|---------------------------|-------------|--|
| 1 | 316060.010 | Suction filter body 1 1/2" |
| 2 | 316300.060 | O Ring 101.3x2.6 |
| 3 | 316003.030 | Blue screen 106x200 (50 mesh) |
| 3 | 3160035.030 | Grey screen 106x200 (80 mesh) |
| 4 | 316000.050 | O Ring 126.4x7 |
| 5A | 316000.020 | Suction filter bowl |
| 5 | 316400.020 | Suction filter bowl valve version |
| 6 | 316000.040 | Suction filter nut |
| Valve version only | | |
| 7 | 316400.060 | Bowl cap |
| 8 | G10052V | O Ring 39.6x3.5 Viton |
| 9 | 316400.070 | Valve body |
| 10 | 316300.060 | O Ring 71.1x2.6 |
| 11 | 316400.080 | Valve plunger |
| 12 | G10052V | O Ring 39.6x3.5 Viton |
| 13 | 316400.090 | Valve spring |

317 SUCTION FILTER

- Polypropylene housing.
 - EPDM seals.
 - Flow rate: 200 to 260 l/min.
- For Prairie with RO210 or RO250 pumps fitted.
- 317072** 30 Mesh screen



| POS. | PART NUMBER | DESCRIPTION |
|------|-------------|----------------------------------|
| 1 | 316070.010 | Suction filter body 2" |
| 2 | 316000.050 | O Ring 126.4x7 |
| 3 | 316300.030 | O Ring 104x2.62 filter cartridge |
| 4 | 317002.030 | White screen (32 mesh) |
| 5 | 317000.020 | Suction filter bowl |
| 6 | 316000.040 | Suction filter nut |



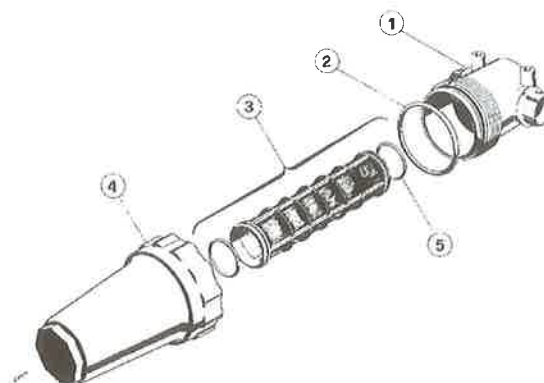


GOLDACRES PRESSURE FILTERS

328 PRESSURE FILTER 1 1/4" (not current)

- Pressure line polypropylene filter
- Internal thread.
- Maximum pressure: 10 bar

328 1 1/4" Pressure filter



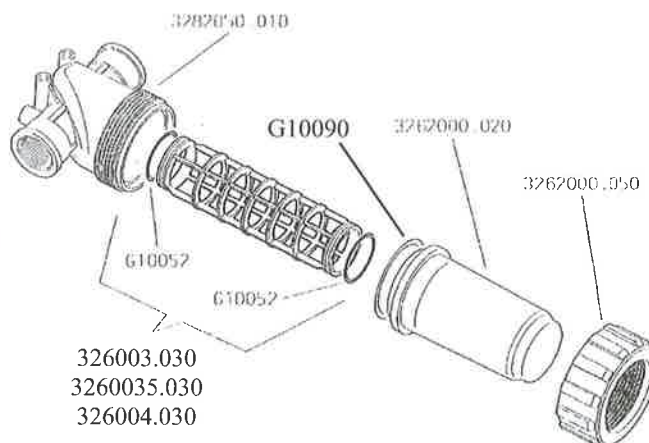
| Pos No | Part No | Description |
|--------|------------|--------------------------------------|
| 1 | 328050.010 | In-line filter body 1 1/4" F |
| 2 | 326000.040 | O ring 82x5.3 large line filter body |
| 3 | 326003.030 | Blue screen 58x210 (50 mesh) |
| 3 | 326004.030 | Red screen 58x210 (100 mesh) |
| 4 | 326000.020 | Large in-line filter bowl |
| 5 | G10052 | O ring 39.6x3.53 |

328 PRESSURE FILTER 1 1/4" (current)

- Pressure line polypropylene filter.
- Internal thread.
- Maximum pressure: 10 bar.

328053 1 1/4" Pressure Filter (50 Mesh)
 3280535 1 1/4" Pressure Filter (80 Mesh)
 328054 1 1/4" Pressure Filter (100 Mesh)

| PART NO. | DESCRIPTION |
|-------------|------------------------------|
| 3282050.010 | Filter Body |
| G10052 | O Ring |
| G10090 | O Ring |
| 326003.030 | Blue Screen 58x210 (50 Mesh) |
| 3260035.030 | Grey Screen 58x210 (80 Mesh) |
| 326004.030 | Red Screen 58x210 (100 mesh) |
| 3262000.020 | Filter Bowl |
| 3262000.050 | Retaining Nut |





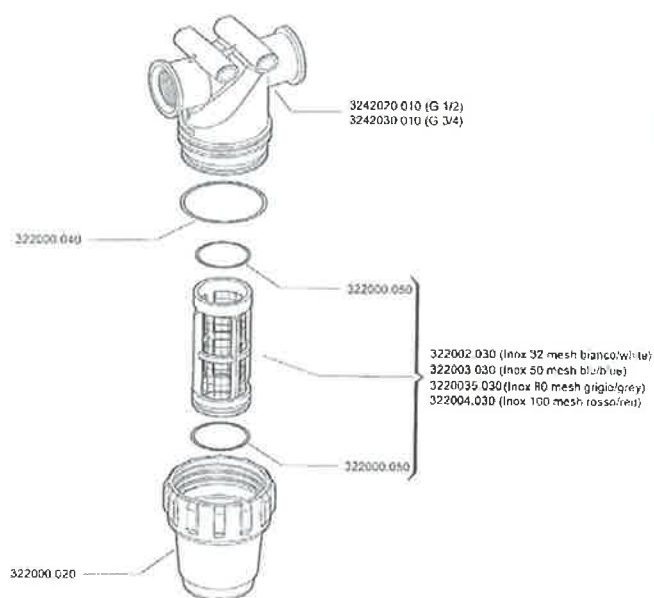
GOLDACRES PRESSURE FILTERS

324 PRESSURE FILTER 1/2"

- Pressure line polypropylene filter.
- Internal thread.
- Maximum pressure: 10 bar.



324 1/2" Pressure filter

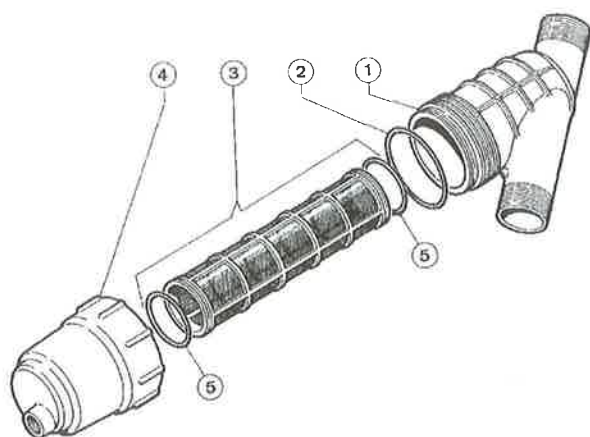


| POS | PART NO. | DESCRIPTION |
|-----|------------|---|
| 1 | 324020.010 | In-line filter body 1/2" F |
| 2 | 322000.040 | O ring 51x3.5 small in-line filter body |
| 3 | 322003.030 | Blue cartridge 38x89 (50 mesh) |
| 3 | 322004.030 | Red cartridge 32x89 (100 mesh) |
| 4 | 322000.020 | Small in-line filter bowl |
| 5 | 322000.050 | O ring 28.2x2.6 |

329 FILL PRESSURE FILTER

- Polypropylene housing.
- EPDM seals.
- 2" male BSP thread.

For current Prairie sprayers.
329073 2" Fill Filter



| POS | PART NUMBER | DESCRIPTION |
|-----|-------------|---------------------------------|
| 1 | 329070.010 | Inclined filter body 2" |
| 2 | 314000.050 | O ring 94.6x5.3 |
| 3 | 329003030 | Blue cartridge 70x220 (50 mesh) |
| 4 | 329000020 | Filter bowl |
| 5 | 312300060 | O ring 64.7x2.6 |



GOLDACRES PRESSURE FILTERS

335 FILL PRESSURE FILTER

- Polypropylene housing.
- EPDM seals.
- 3" male BSP thread.



335093 3" Fill Filter

A large 3" filter capable of handling flow rates up to 800 litres per minute, and operate at pressures up to 8 bar.



| POS | PART NUMBER | DESCRIPTION |
|-----|-------------|--------------------------------------|
| 1 | 335090.010 | 3" In line filter body |
| 2 | 335003.030 | 3" Blue filter element (50 mesh) |
| 3 | 335000.060 | 3" Filter element O-Ring (139 x 3.5) |
| 4 | 335000.050 | 3" Filter bowl O-Ring (168 x 7) |
| 5 | 335000.020 | 3" Filter bowl |
| 6 | 335000.040 | 3" Filter flange |

GEOline 2" Fill Filter

600 L/min flow rate
2" BSP male thread
3/4" female thread in bowl for flushing
50 mesh screen

8118013 2" Fill Filter





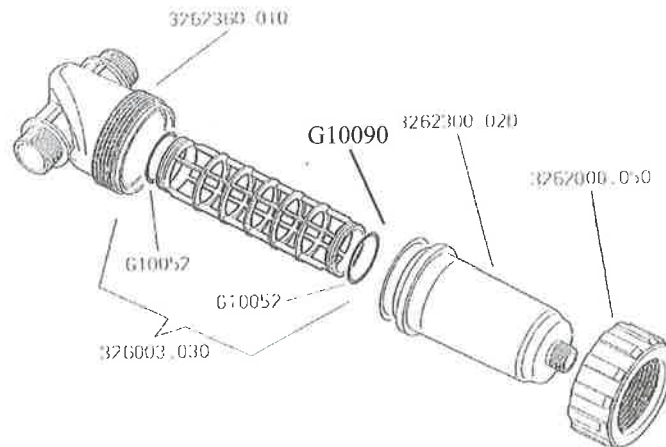
GOLDACRES FLUSH FILTERS

326 FLUSH FILTER 1 1/2"
(not current)

- Polypropylene housing.
- Flow rate 210 l/min at 0.4 bar.
- Maximum pressure: 15 bar.

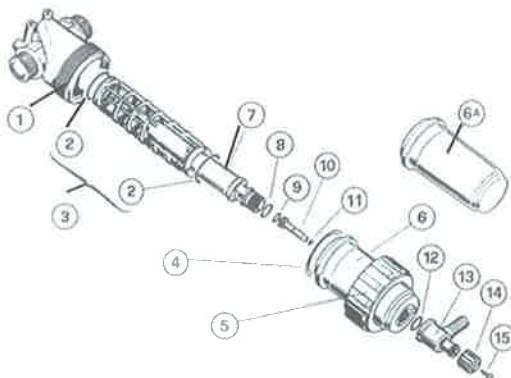
3262363 1 1/2" Flush filter
(50 Mesh)

| PART NO. | DESCRIPTION |
|--------------------|------------------------------|
| 3262360.010 | Filter Body |
| G10052 | O Ring |
| G10090 | O Ring |
| 326003.030 | Blue Screen 58x210 (50 mesh) |
| 3262300.020 | Filter Bowl |
| 3262000.050 | Retaining Nut |

**326 FLUSH FILTER**
1 1/2"

- Polypropylene housing.
- Flow rate 210 l/min at 0.4 bar.
- Maximum pressure: 15 bar.

3262163 1 1/2" Flush filter
(50 Mesh)



| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|--------------------|------------------------------|
| 1 | 3262060.010 | Line filter body 1 1/2" M |
| 2 | G10052 | O Ring 39.69x3.53 |
| 3 | 326003.030 | Blue screen 58x210 (50 Mesh) |
| 4 | G10090 | O Ring 74.63x5.34 |
| 5 | 3262000.050 | Back nut |
| 6 | 3262100.020 | Self-cleaning filter bowl |
| 6A | 326200.020 | Pressure filter bowl |
| 7 | 3262100.060 | Conveyor |
| 8 | 465005.140 | O Ring 22.22x2.62 |
| 9 | G10021 | O Ring 10.78x2.62 |
| 10 | 3262100.080 | Discharge valve plunger |
| 11 | 318000.230 | O Ring 6.0x3.0 Viton |
| 12 | G10051 | O Ring 26.65x2.62 |
| 13 | 3262100.070 | Discharge valve body |
| 14 | 463011.091 | Knob |
| 15 | V2B25F | Self threading screw 5.5x19 |



TeeJet®

LINE STRAINERS

Strainer heads and bowl material available in polypropylene (PP) up to 1", and supplied with EPDM O rings. Sizes 1 1/4" and 1 1/2" available in nylon (NYB), and supplied with Buna-N O rings. Viton O rings are optional. Maximum temperatures up to 38°C.

TO ORDER: Specify strainer no., mesh size, material.

Example: AA124-1 1/4-NYB-16 Nylon

To order screen only, specify no. Example: CP15941-2

| Strainer No. | Screens | | | | Strainer Head Part Number | Bowl Part Number | O Ring Part Number | Net Weight kg | Approx. flow rate at 0.35 bar Pressure drop in L/min | Pressure Rating (bar) |
|----------------|------------|-----------|-------------|---------------|---------------------------|------------------|---|---------------|--|-----------------------|
| | Pipe Conn. | Mesh Size | Part Number | Full Area cm2 | | | | | | |
| AA122-1/2-PP | 1/2" | 30 | CP23174-2 | 50 | CP23171-1/2-PP | CP23172-PP | CP23173-EPR (Standard) CP23173-VI (Optional) | 0.1 | 45 | 10 |
| | | 50 | CP23174-3 | | | | | | | |
| | | 80 | CP12174-4 | | | | | | | |
| | | 100 | CP23174-5 | | | | | | | |
| AA124A-3/4-PP | 3/4" | 30 | CP16903-3 | 109 | CP16430-3/4-PP | CP15403-PP | CP7717-2-226-EPR | 0.27 | 87 | 8 |
| | | 50 | CP16903-4 | | | | | | | |
| | | 80 | CP16903-5 | | | | | | | |
| AA124A-1-PP | 1" | 30 | CP16903-3 | 109 | CP16430-1-PP | CP15403-PP | CP7717-2-226-EPR | 0.27 | 129 | 5 |
| | | 50 | CP16903-4 | | | | | | | |
| | | 80 | CP16903-5 | | | | | | | |
| AA124-11/4-NYB | 1 1/4" | 30 | CP15941-2 | 264 | CP15016-11/4-NYB | CP15017-NY | CP12291-BU CP12291-VI (Optional) | 0.57 | 230 | 5 |
| | | 50 | CP15941-3 | | | | | | | |
| | | 80 | CP15941-4 | | | | | | | |
| AA124-11/2-NYB | 1 1/2" | 30 | CP15941-2 | 264 | CP15016-11/2-NYB | CP15017-NY | CP12291-BU CP12291-VI (Optional) | 0.57 | 260 | 5 |
| | | 50 | CP15941-3 | | | | | | | |
| | | 80 | CP15941-4 | | | | | | | |

| Screen Mesh Openings | | | | | |
|----------------------|--------|-----------------|-----------|--------|-----------------|
| Mesh size | Colour | Size of opening | Mesh size | Colour | Size of opening |
| 16 | Grey | 1.1mm | 100 | Green | .15mm |
| 30 | Yellow | .53mm | 120 | Brown | .12mm |
| 50 | Red | .28mm | 200 | Orange | .08mm |
| 80 | Blue | .18mm | | | |



AA122-#-PP



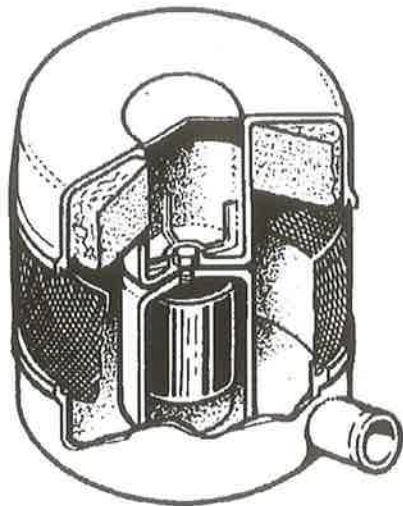
AA124A-PP
(Polypropylene)
AA124A-NYB
(Nylon)



Cut-Away View
3/4" to 1 1/2" Sizes
(Typical)



GOLDACRES FLOATING FILLING FILTER



Designed to be used when filling tank from a dam or channel.
The filter draws in water just below the surface through a coarse mesh screen.

- | | |
|------------------|---|
| 307040-FV | Floating filter kit complete with foot valve attached |
| 307040 | Floating filter |
| 504015 | Foot valve 1 1/2" internal thread |



Foot Valve
504015

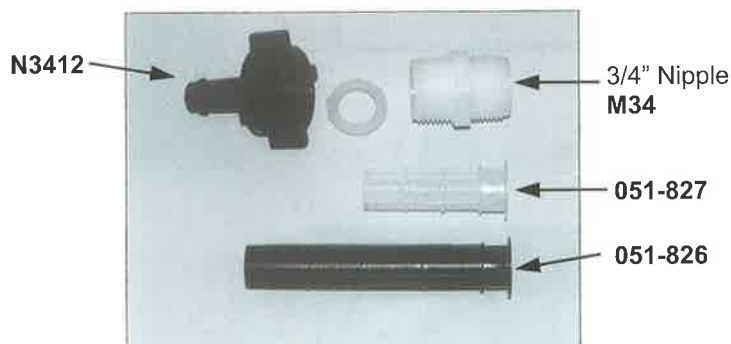
IN-LINE 1/2" FILTER

To suit 12 Volt sprayers.

1/2" In-line filter 5100659



Current Model 1/2" In-line filter





TeeJet® NOZZLE FILTERS

TEEJET® STRAINERS
with VisiFlo® colour-coding.

Nylon slotted and polypropylene wire mesh strainers are colour-coded for easy identification of strainer mesh size.

| Mesh Size | Colour Code |
|-----------|-------------|
| 16 | Grey |
| 24 | White |
| 25 | Yellow |
| 50 | Red |
| 80 | Blue |
| 100 | Green |
| 200 | Orange |

TEEJET® STRAINERS



19845-PP

Strainer protects spray tip orifice from clogging and damage. Stainless steel screens in 24, 50, 100 and 200 mesh. Polypropylene screens available in 25 and 50 mesh only.

| TeeJet Strainer Number | Strainer Body & Cap Material | Mesh Screen Material |
|------------------------|------------------------------|----------------------|
| 5053* | Brass | Stainless Steel |
| 8079-PP* | Polypropylene | Stainless Steel |
| 5053-AL* | Aluminum | Stainless Steel |
| 6051-SS* | Stainless Steel | Stainless Steel |
| 19845-PP* | Polypropylene | Polypropylene |

* Specify mesh size when ordering

*** Please note: Strainer 8079-PP# is used as standard on Goldacres sprayers. Need to determine what mesh size is required for relevant tip size.**

TeeJet® Slotted Strainers

One-piece strainers for use with liquids containing suspended solids.



| TeeJet Strainer Number | Available Material | Equivalent to Mesh Size |
|------------------------|--------------------------|-------------------------|
| 4514-*10 | Brass or Nylon | 50 |
| 4514-*20 | Brass, Aluminum or Nylon | 25 |
| 4514-*32 | Brass, Aluminum or Nylon | 16 |

* Above numbers for brass. For nylon add "NY". For aluminium add "AL".

No. 4067SS# TeeJet® Cup Strainers



Stainless steel construction. Choice of 50, 100 and 200 mesh screens.

No. 4193A TeeJet® Strainer & Check Valve



Minimises nozzle dripping, fits all TeeJet® nozzles. Ball check opens at 0.35 bar. Recommended for flow rates up to 3 L/min. 24, 50, 100 and 200 mesh screens.

Note: Use of these ball check valves results in a pressure drop of 0.35 - 0.7 bar depending on spring rating.

| Check Valve Number | Body and Cap Screw Material | Mesh Screen Material |
|--------------------|-----------------------------|----------------------|
| 4193A- *- * | Brass | Stainless Steel |
| 4193A-AL- *- * | Aluminum | Stainless Steel |
| 4193A-SS- *- * | Stainless Steel | Stainless Steel |
| 4193A-PP- *- * | Polypropylene | Stainless Steel |

* When ordering, specify spring rating and screen mesh size.

No. 11750 TeeJet® Check Valve



For larger capacity TeeJet® nozzles where strainers are not required. Ball check opens at 0.35 bar, 0.7 bar spring also available. Recommended for flow rates from 1.5 to 5.7 L/min. Made in choice of stainless steel, brass, aluminium or polypropylene with stainless steel ball and spring.



POLY BALL VALVES

Precision molded in glass reinforced polypropylene. Teflon seats. Maximum operating pressure 100 psi.

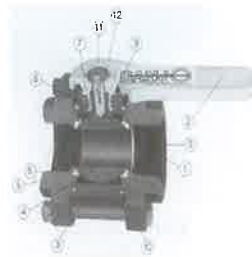
2-WAY BALL VALVES



**SINGLE UNION
POLYPROPYLENE BALL VALVE**
UV100FP 1" Single union poly valve
UV150FP 1 1/2" Single union poly valve



POLYPROPYLENE BOLTED BALL VALVE
V-150 1 1/2" Bolted ball valve



| ITEM NO. | DESCRIPTION | UV100FP PART NO. | UV150FP PART NO. |
|----------|-------------------|------------------|------------------|
| 1 | Union end cap | UV10150 | UV15150 |
| 2 | Union stem | UV10151 | UV15151 |
| 3 | Union handle | UV10153 | UV15153 |
| 4 | Union body | UV10254 | UV15254 |
| 5 | Union ball | UV10255 | UV15255 |
| 6 | Union end plate | UV10256 | UV15257 |
| 7 | Union seat | UV10258 | V20258 |
| 8 | Union stem O ring | UV10163 | UV15163 |
| 9 | Union body O ring | UV10264 | UV15264 |
| N/S | 1" nozzle pipe | V10161 | N/A |

| ITEM NO. | DESCRIPTION | PART NO. |
|----------|--------------------|----------|
| 1 | Stem | V20151A |
| 2 | Handle | V20153 |
| 3 | Valve body | V20254 |
| 4 | Valve ball | V20255A |
| 5 | End plate | |
| 6 | Teflon seats | V20258A |
| 7 | Upper stem bushing | V20159 |
| 8 | Thrust washer | V20060 |
| 9 | Stem O ring Viton | V20163 |
| 10 | Valve body O ring | V20264 |

3-WAY BALL VALVES



3-WAY POLY BALL VALVE
- Directional flow either right or left.
- Valve cannot be turned off.
V-075-SL 3/4" 3-way poly valve
V-100-SL 1" 3-way poly valve

| ITEM NO. | DESCRIPTION | PART NO. V075SL | PART NO. V100SL |
|----------|--------------------|-----------------|-----------------|
| 1 | Stem | V10151A | V10151A |
| 2 | T handle | V10353S | V10353S |
| 3 | Valve body | V07354S | V10354S |
| 4 | Valve ball | V10355S | V10355S |
| 5 | End plate | V07357 | V10257 |
| 6 | Ball seats | V10258A | V10258A |
| 7 | Upper stem bushing | V10159 | V10159 |
| 8 | Stem O ring | V10163 | V10163 |
| 9 | Valve body O ring | V10264 | V10264 |
| 10 | Thrust washer | V10060 | V10060 |



3-WAY POLY BALL VALVE
- Directional flow either right or left.
- Valve can be turned off to stop flow.
V-100-BL

| ITEM NO. | DESCRIPTION | PART NO. |
|----------|--------------------|----------|
| 1 | Stem | V10151A |
| 2 | T handle | V10353B |
| 3 | Valve body | V10354B |
| 4 | Valve ball | V10355B |
| 5 | End plate | V10257 |
| 6 | Ball seats | V10258A |
| 7 | Upper stem bushing | V10159 |
| 8 | Stem O ring Viton | V10163 |
| 9 | Valve body O ring | V10264 |
| 10 | Thrust washer | V10060 |



POLY BALL VALVES

3-WAY BALL VALVES

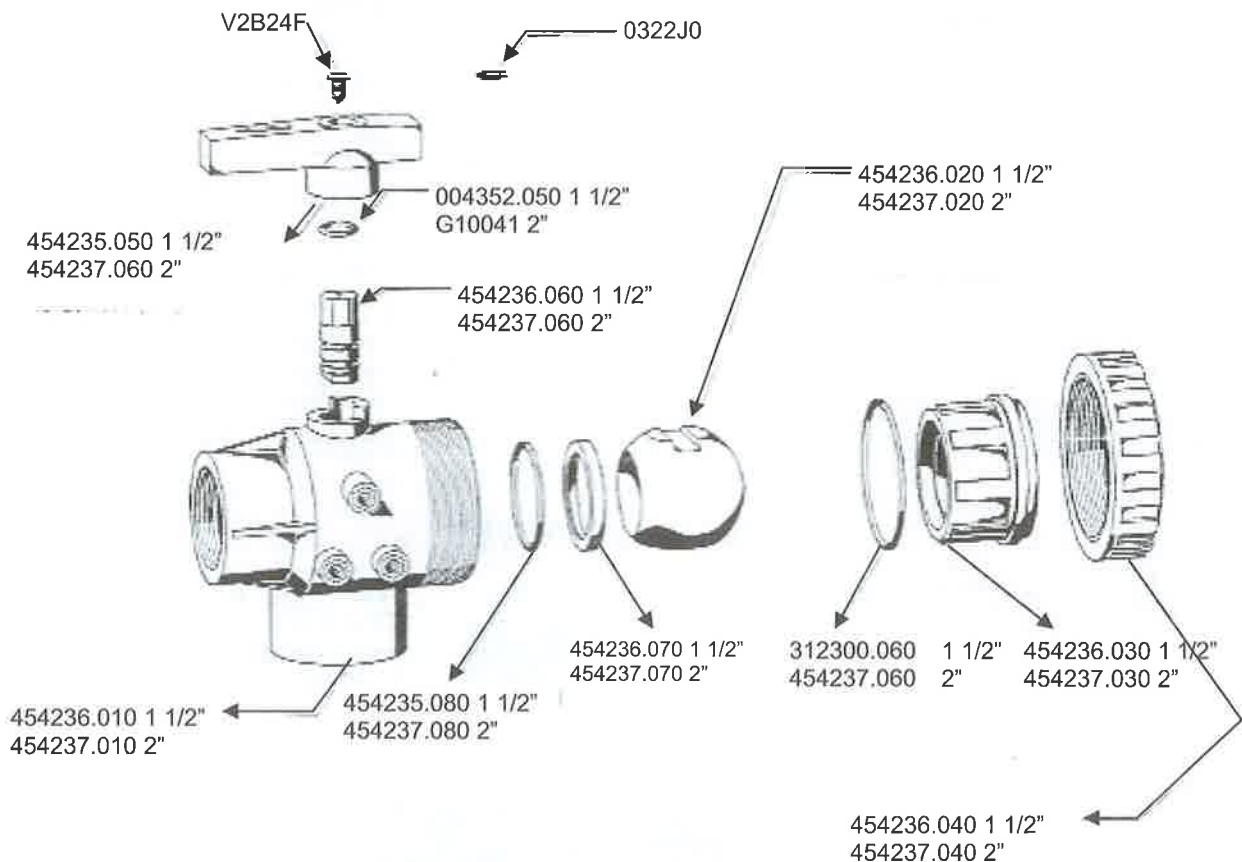


3-WAY POLY BALL VALVE

- Maximum pressure 10 bar.
- Valve can be turned off.

454236 1 1/2" 3-way ball valve

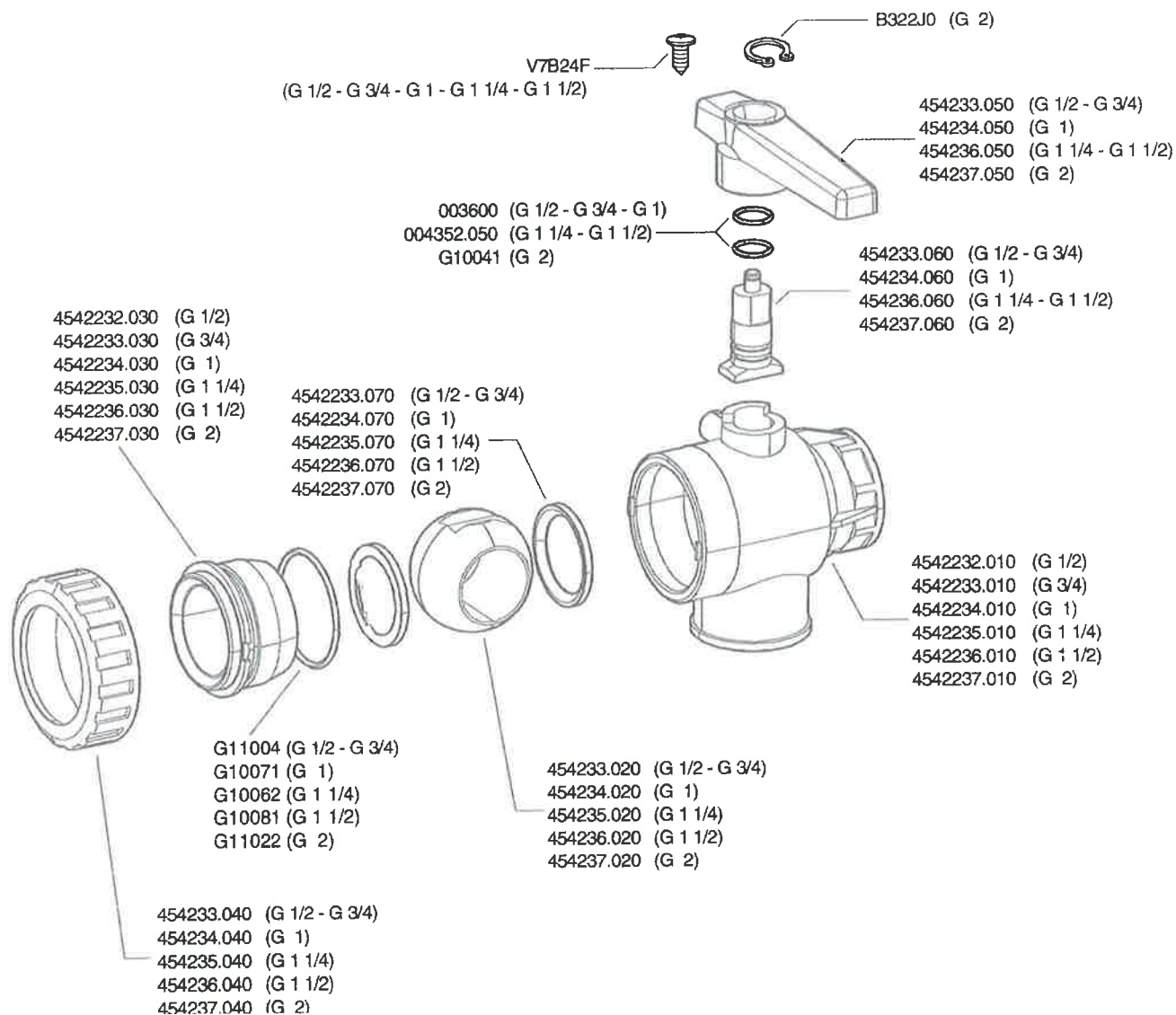
454237 2" 3-way ball valve





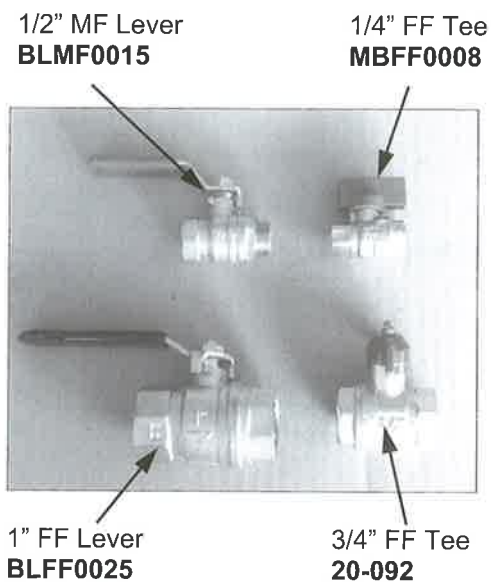
POLY BALL VALVES

3-WAY BALL VALVES



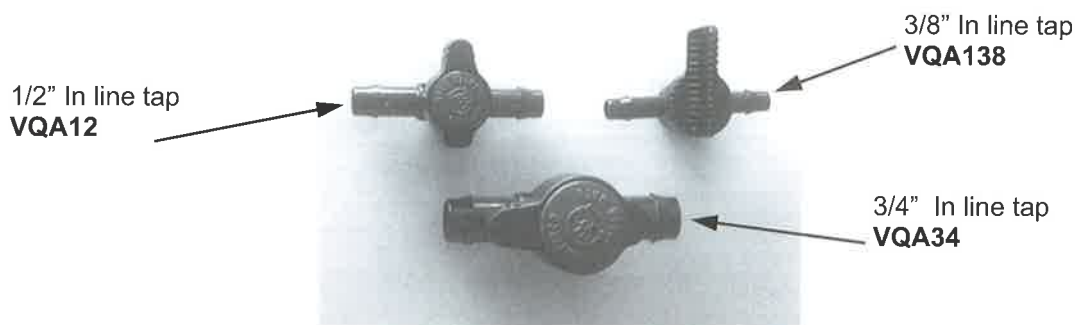


BRASS BALL VALVES



| PART NUMBER | PORT TYPE | PORT SIZE | HANDLE TYPE |
|-------------|-----------|-----------|-------------|
| BV-8FF-B | F F | 1/4" | TEE |
| BV-8MF-B | M F | 1/4" | TEE |
| BV-12-FF-L | F F | 1/2" | LEVER |
| BV-12MF-L | M F | 1/2" | LEVER |
| BV-12FF-B | F F | 1/2" | TEE |
| BV-12MF-B | M F | 1/2" | TEE |
| BV-20FF-L | F F | 3/4" | LEVER |
| BV-20MF-L | M F | 3/4" | LEVER |
| BV-20FF-B | F F | 3/4" | TEE |
| BV-20MF-B | M F | 3/4" | TEE |
| BV-25FF-L | FF | 1" | LEVER |

IN-LINE TAPS





CHEMICAL INDUCTION HOPPER

- ~ Hopper construction is from moulded polyethylene and is specially designed with smooth rounded surfaces for easy, thorough chemical cleaning.
- ~ Hopper with a large opening allows quick and easy transfer of chemicals with minimum fuss.
- ~ Pressure supplied by the sprayer or fire pump produces a powerful venturi suction action under the hopper.
- ~ Both granular and liquid chemicals can be mixed with water in the hopper and a degree of mixing results as the chemical is transferred into the spray tank.
- ~ Hopper is graduated for measuring liquid chemicals.
- ~ The chemicals are transferred directly from the hopper into the centre of the spray tank. This eliminates chemical attack resulting from high concentrations of chemical coming into contact with spray components.
- ~ Drum rinsing nozzle facilitates easy and thorough drum rinsing.
- ~ The induction hopper can be retrofitted to almost any sprayer.



Hopper Locking pin
S12797

Hopper Lock
HOPLOCK



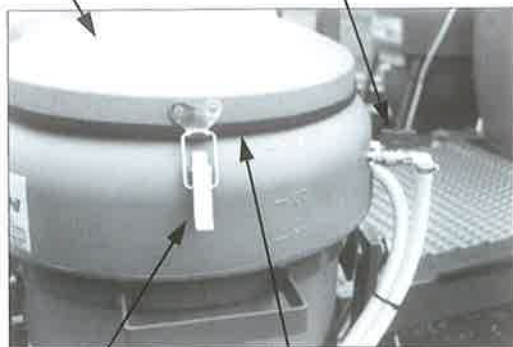
Hopper adjustment arm
HOPADJARM

Nylon insert
RIR-5980

Hopper frame
height adjustable
CHEMIND-FHA

Hopper Lid
E1180-GO5

1/4" FF Ball Valve
BV-8-FF-B



Hopper Lid Latch
30-502

Seal
550140030

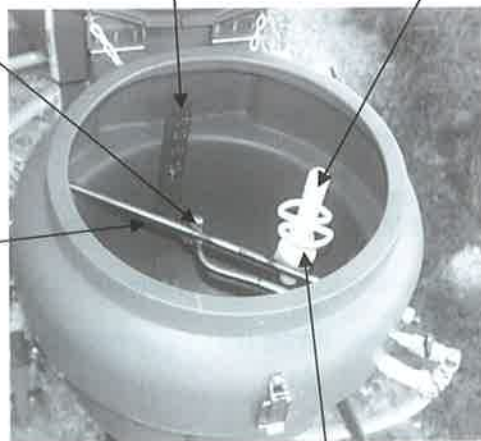
Hinge (not shown)
HING3

Hopper Rinsing Nozzle
HOPRINSE

Hopper Calibrator
F70116A

Drum Rinsing
Nozzle **510110**

Stainless steel
hopper bar
CHEMFB



Mesh cover over jet (hidden)
23141483

Push Down Valve
510100



CHEMICAL INDUCTION HOPPER

70 Lt height adjustable
chemical induction hopper
CHEMIND

Hopper springs
(2 x Hidden behind plate)
CATCS281



Plastic weld in fitting for hop-
per thread repair
P420600

Bottom hopper
tee piece
L056A

40 Lt height adjustable
chemical induction hopper
CHEMIND-40



Hopper handle
P342100

1 1/2" ball valve
UV150FP

Brass ball valve
BV-20-MFB

Bottom hopper
tee piece
L056A

1" Elbow
EL100

1" street elbow
SE100

Venturi jet
(hidden)
L057A

1. Hopper with height-adjustable mounting bracket. Can be fitted to most sprayers
CHEMIND (70 Litres) **CHEMIND-40** (40 Litres)
2. Hopper with fixed mounting bracket. Often used with 3PL and tray mount sprayers.
CHEMIND-FXD (70 Litres) **CHEMIND-FXD-40** (40 Litres)
3. Free-standing hopper on wheels. Suitable for use where sprayer is usually filled at the same site (ie. orchards, vineyards, etc).
CHEMIND-FREE (70 Litres) **CHEMIND-FREE-40** (40 Litres)



Note this is the pre 2002 hopper bottom set-up. Refer previous page for current assembly.

1 1/2" Hose barb
HB150

40mm hose
HOS40PVC

25mm Hose
HOS25P

1 1/2" x 3/4"
Reducing bush
RB11234

3/4" x 1" Elbow
EL34100

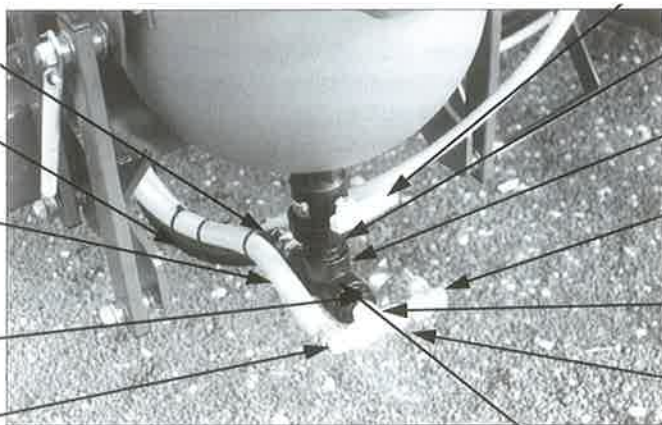
40mm hose
HOS40PVC
(from induction
hopper)

50mm hose
HOS50PVC

2"-1 1/2" Hose
tail
3554468

Male/female
elbow 2"
2271956

Flange fitting
L026A



Complete hopper bottom
CHEMHOPBOT

1 1/2" Ball Valve
UV150FP

1 1/2" Nipple
M112

1 1/2" Female tee
TEE150

3/4" MF Tee ball valve
BV-20MF-B

3/4" Nipple
M34

3/4" Female tee
TT34

Venturi jet
(hidden)
LO13A

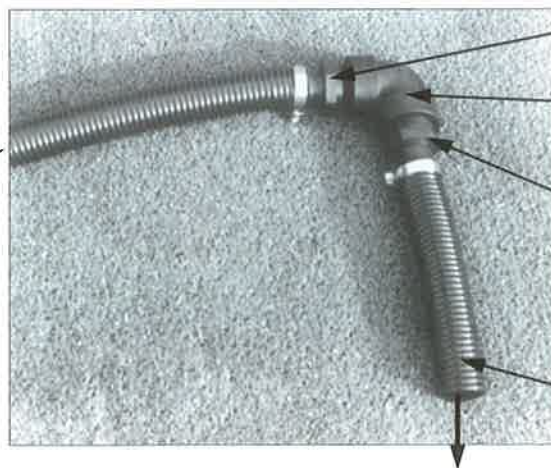


Elbow 2"-1 1/2"
3554468

Self Tapper
3/16x1"

Older style fittings
for the Induction
Hopper line.

Flow from
induction hopper



Hose barb 2-1 1/2"
A200112

Elbow 2"
2271956

Hose barb 2-1 1/2"
A200112

1/8" hole needs to be
drilled to prevent
siphoning from occurring

40mm hose
HOS40PVC

Chemicals transferred into middle of tank



CHEMICAL VENTURI PROBE

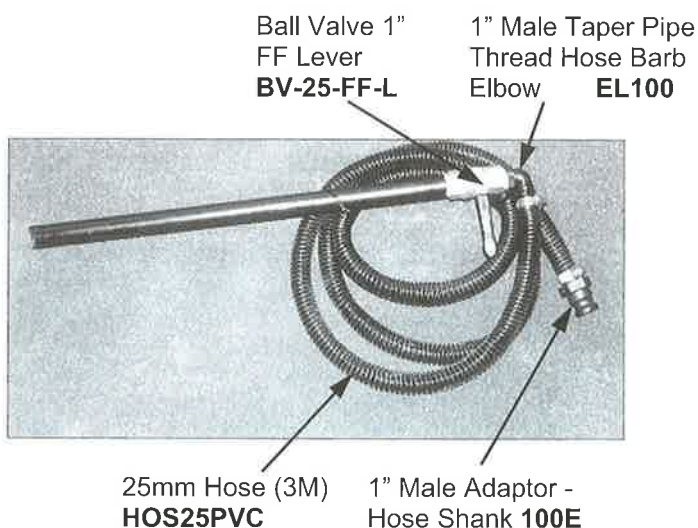
The chemical venturi probe provides a simple and safe method of transferring liquid chemical from the chemical container into the sprayer tank. The probe is used in conjunction with the venturi filler which, via a venturi action, creates the required suction on the pressure side of the pump.

As a guide-line to chemical venturi probe performance:

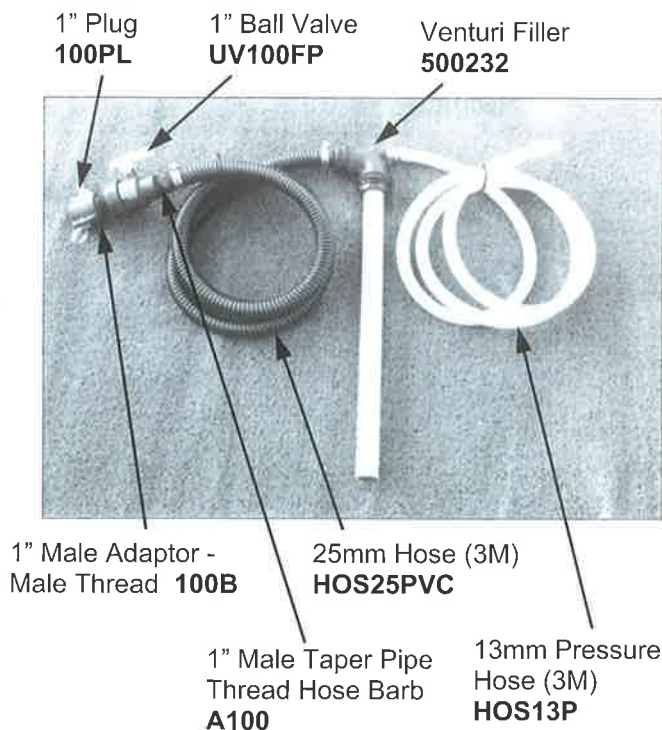
a 121 l/min pump running at 600 kPa will transfer water via the probe at a rate of approximately 40 l/min.

Note: All chemicals should be transferred after between 20% and 50% of the required water quantity has been added to the sprayer tank. This will ensure that agitation takes place when the remaining water is added.

Chemical Suction Probe
CHEMSUCP

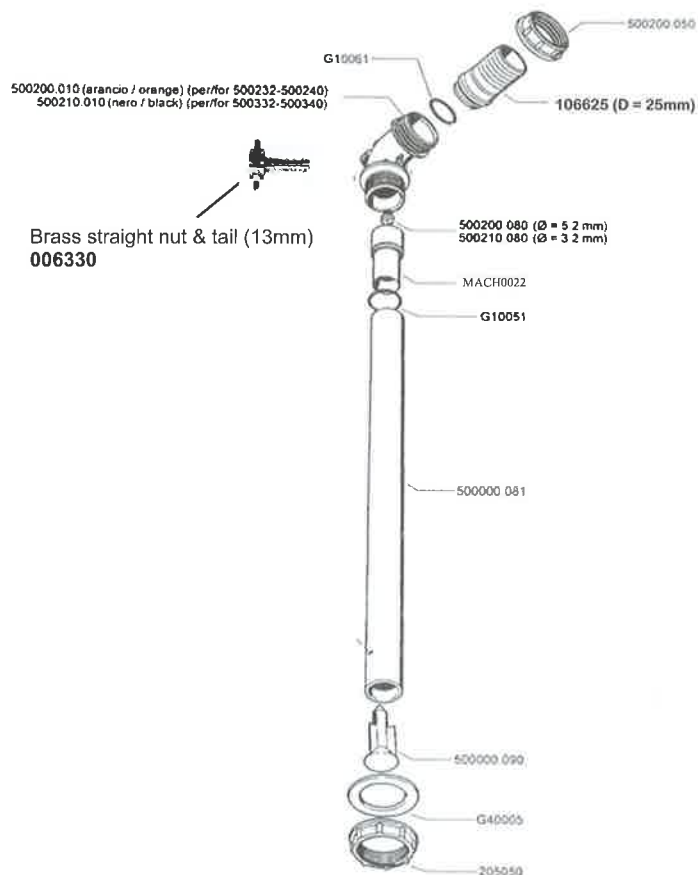


Chemical Venturi Probe
CHEMVENP





Venturi mounted in top of tank. (Need to drill 1 1/4" hole in top of tank).



Venturi filler
500232

VENTURI FILLING SYSTEM

The venturi filling system provides a simple method for filling the tank from a remote water supply. The venturi filler provides the required suction on the pressure side of the pump to fill the tank.

System includes:

- Venturi filler, 6M x 25mm vent hose, 3M x 20mm pressure hose.

Floating filter can also be supplied, see page 52.

Venturi filling system VENFILL



TRANS-CAL VOLUMETRIC CHEMICAL TRANSFER SYSTEM

The Trans-Cal volumetric chemical transfer system has been designed to provide for the transfer of liquid chemical from any container (including the Envirodrum closed transfer system) to the sprayer tank. By utilizing a venturi system fitted to the sprayer, the chemical is transferred from the chemical container into the Trans-Cal tank where the required volume is measured. Once this volume has been filled into the Trans-Cal tank, it is then transferred to the main spray tank by simply turning a valve. Thus there is no raw chemical coming into contact with any pump or complex componentry.

The Trans-Cal can transfer chemically relatively quickly and a rotating nozzle fitted inside the Trans-Cal tank provides for thorough and easy rinsing, ensuring the system is ready for the next fill

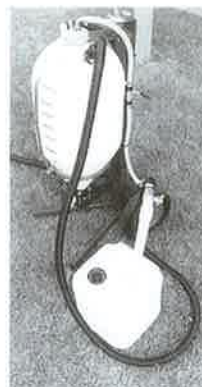
The Trans-Cal system can be mounted either on the sprayer tank or free-standing at the filling site. It can be easily retro-fitted to most sprayers

Specially designed calibrated tank for accurate measuring of chemicals

3-Way Poly Ball Valve
V100BL
Used to direct the venturi suction



The Trans-Cal can be used in conjunction with the Envirodrum so as to transfer chemical without the need for a separate pump and flowmeter.



The Trans-Cal is also designed to be used with the chemical venturi probe fitted on many of the GoldAcres sprayers.

A. FOR FITTING TO A CURRENT MODEL GOLDACRES SPRAYER:

1. Trans-Cal Kit **TRANSCAL**
2. Trans-Cal Kit & Envirodrum Fittings (MicroMatic) **TRANSCAL-E**

B. FOR RETROFITTING TO AN EXISTING SPRAYER:

1. Trans-Cal Kit, Chemical Probe & Venturi Filler **TRANSCAL-CPVF**
2. Trans-Cal Kit, Chemical Probe, Venturi Filler & Envirodrum Fittings (MicroMatic) **TRANSCAL-CPVF-E**

C. FREE STANDING:

1. Trans-Cal Kit, Chemical Probe, Venturi Filler & Wheeled Stand **TRANSCAL-FS-CPVF**
2. Trans-Cal Kit, Chemical Probe, Venturi Filler, Wheeled Stand & Envirodrum Fittings **TRANSCAL-FS-CPVF-E**



K2DV1-002 Rinsing Socket
Provides for water rinsing of the coupler and chemical lines

K744-094 Coupler
Enables connection into the closed system chemical containers

K2F3-003
O Ring to suit coupler

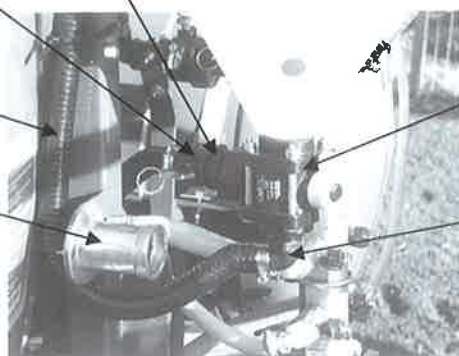
K2F3-009
Seal to suit coupler

Cam-loc fitting
100C

Cam-loc fitting
100F

1" Hose
HOS25PVC

Rinsing Socket
K2DV1-002



3 Way 1" Ball valve
V100BL

1" Elbow
EL100

1/2" Tee
T12T

1/2" sight tube
HOS12WSIGHT

45 Litre Tank
TNK45



1/2" Hose
HOS13P

1" PVC Hose
HOS25PVC

1/2" Hose Clamp
HS006B

1" Elbow
EL100

COMPLETE
TRANS-CAL
RINSE ASSY
(lid + nozzle)
L055AC

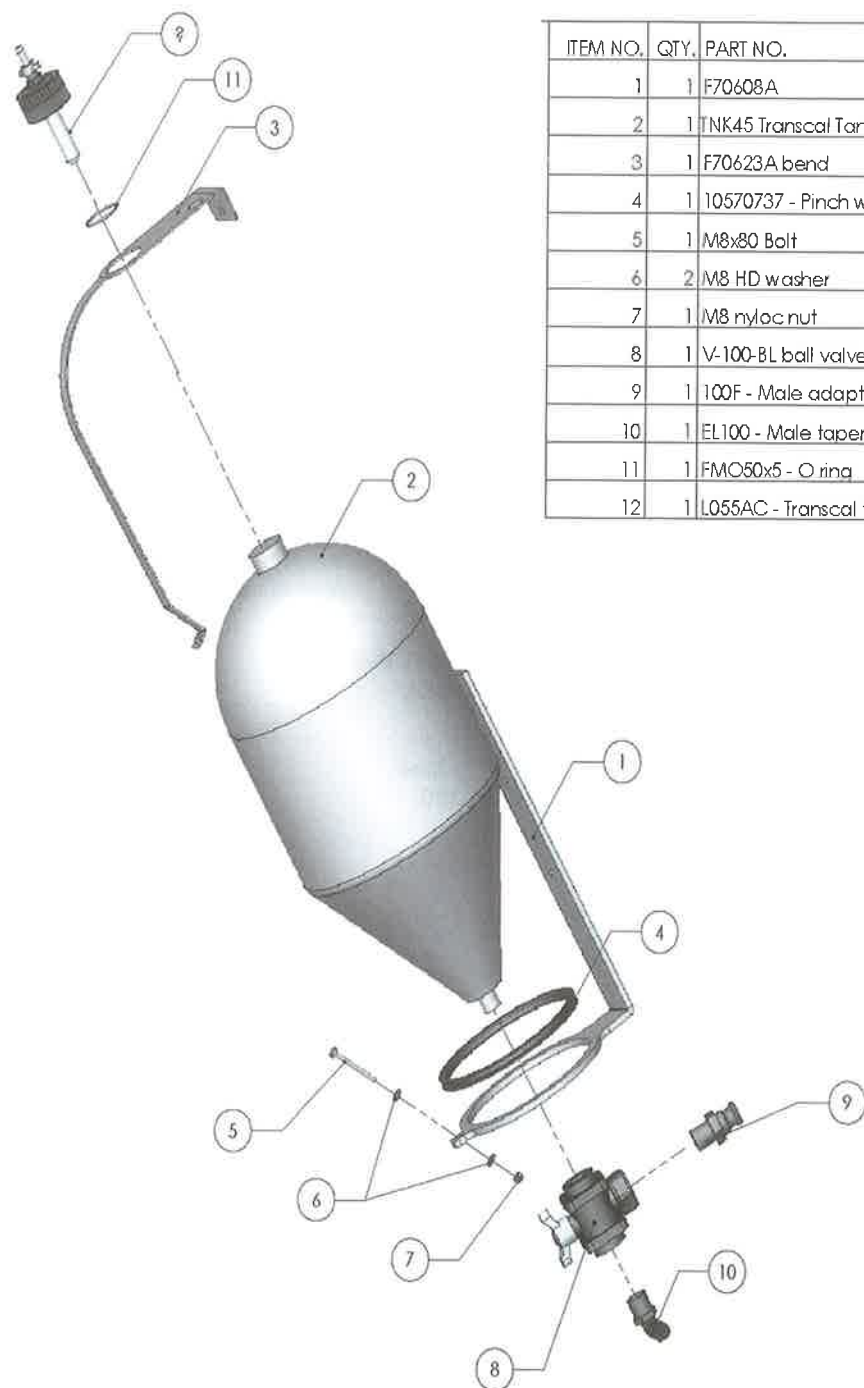
Trans-Cal tank lid
L055A



510100
Tank Rinsing Nozzle
The Trans-Cal tank can be easily and thoroughly rinsed with fresh water and thus be ready for the next chemical



TRANS-CAL VOLUMETRIC CHEMICAL TRANSFER SYSTEM AS FITTED TO CURRENT MODEL PRAIRIE ADVANCE



| ITEM NO. | QTY. | PART NO. |
|----------|------|--|
| 1 | 1 | F70608A |
| 2 | 1 | TNK45 Transcal Tank |
| 3 | 1 | F70623A bend |
| 4 | 1 | 10570737 - Pinch weld |
| 5 | 1 | M8x80 Bolt |
| 6 | 2 | M8 HD washer |
| 7 | 1 | M8 nyloc nut |
| 8 | 1 | V-100-BL ball valve |
| 9 | 1 | 100F - Male adaptor-Male thread |
| 10 | 1 | EL100 - Male taper pipe thread hose barb |
| 11 | 1 | FMO50x5 - O ring |
| 12 | 1 | L055AC - Transcal tank rinse assembly complete |



CHEMICAL TRANSFER STATION

Hopper and TransCal mounted in aluminium cabinet.

- ~ Mixes. ~ Transfers. ~ Measures. ~ Rinses
- ~ Water transfer and other functions done simultaneously.
- ~ TransCal needs 90psi pump.

CHEMTS-E Chemical transfer station (including Envirodrum fittings)
CHEMTS Chemical transfer station





GOLDACRES EXACTA FOAM MARKERS

Goldacres Exacta Foam Markers are equipped for remote operation with the compressor box mounted on the sprayer. Foam is made in a foam generator which is mounted on the boom.

| | |
|---------------|-------------------|
| EX25S | 25L Single sided |
| EX25D | 25L Double sided |
| EX50S | 45L Single sided |
| EX50D | 45L Double sided |
| EX100S | 100L Single sided |
| EX100D | 100L Double sided |
| EX180D | 180L Double sided |

NOTE: PLEASE SPECIFY SIZE OF BOOM WHEN ORDERING

GOLDACRES STANDARD FOAM MARKERS

The foam is generated in the foam tank. The compressor box is mounted within easy reach of the operator for manual on/off operation.

| | |
|------------------|---|
| STD25-12S | Single sided 25L for 12M |
| STD50-12S | Single sided 50L for 12M |
| STD25-12D | Double sided 25L for 12M |
| STD50-12D | Double sided 50L for 12M |
| SOLVREMS | Switch for Remote Operation - Single sided |
| SOLVREMD | Solenoid valves & control box for Remote Operation - Double sided |
| EXCONV-M | Standard manual foam marker to Exacta foam conversion kit |
| EXCONV-R | Standard remote foam marker to Exacta foam conversion kit |

GOLDACRES FOAM CONCENTRATE

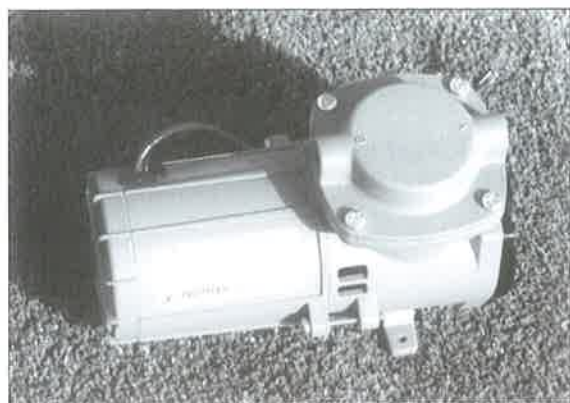
Available in 5 Litre and 20 Litre containers.

| | |
|---------------|----------------------|
| FOAM | 5L Foam concentrate |
| FOAM20 | 20L Foam concentrate |





GOLDACRES FOAM MARKER COMPRESSOR

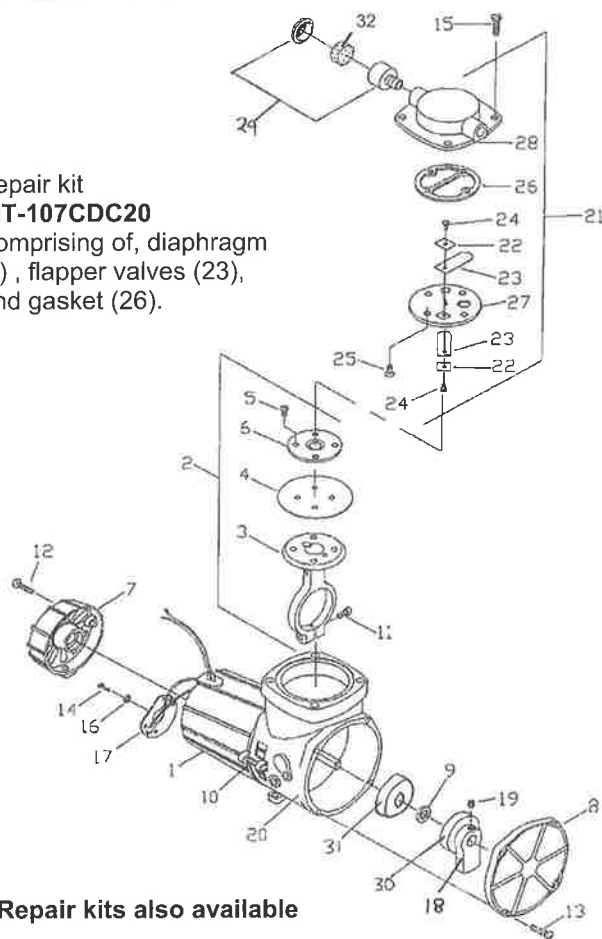


This compressor was used for both the Exacta and Standard foam markers .

107CDC20

Bare compressor

Repair kit
KIT-107CDC20
Comprising of, diaphragm
(4) , flapper valves (23),
And gasket (26).



Repair kits also available

| KIT NO. | PARTS INCLUDED | DESCRIPTION |
|---------|--|---|
| 650293 | 4, 23 (X2), 32, 26, 15 (x4), 22 (x2), 25 (x4), 24 (x2), 27 | Service kit comprising diaphragm, flapper valves, gasket and screws. |
| 660873 | 28, 4, 23 (X2), 26, 22 (x2), 25 (x4), 24 (x2), 27 | Head assembly, comprising valve plate, head, flapper valves and screws. |

| POS. NO. | PART NO. | DESCRIPTION |
|----------|-----------|-------------------------|
| 1 | T602492 | Stator Winding |
| 2 | T607180 | Connecting Rod Assy |
| 3 | T607139 | Connecting Rod |
| 4 | T608148 | Diaphragm |
| 5 | T625540 | Screw - Hold Down Plate |
| 6 | T654649 | Hold Down Plate |
| 7 | T614381 | Motor End Cap Assy |
| 8 | T614608 | Front Cover |
| 9 | T615403 | Spacer - Eccentric |
| 10 | T625058 | Screw - Housing |
| 11 | T625114 | Screw - Connecting Rod |
| 12 | T625260 | Screw - Motor End Cap |
| 13 | T625266 | Screw - Front Cover |
| 14 | T625407 | Screw - Brush |
| 15 | T625444 | Screw - Head |
| 16 | T626516 | Lockwasher - Brush |
| 17 | T627096 | Brush Assembly |
| 18 | T645374 | Eccentric Drive Lever |
| 19 | T625244 | Set Screw |
| 20 | T660662 | Housing |
| 21 | T660873 | Head & Valve Plate Assy |
| 22 | T617045 | Valve Keeper Strip |
| 23 | T621102 | Flapper Valve |
| 24 | T625160 | Screw - Flapper Valve |
| 25 | T625606 | Screw - Valve Plate |
| 26 | T633439 | Gasket - Valve Plate |
| 27 | T654129 | Valve Plate |
| 28 | T660131 | Head |
| 29 | T660763 | Filter |
| 30 | 6002-2RS1 | Bearing - Cam Assy |
| 31 | 6201Z-8MM | Bearing - Motor Assy |
| 32 | | Breather |

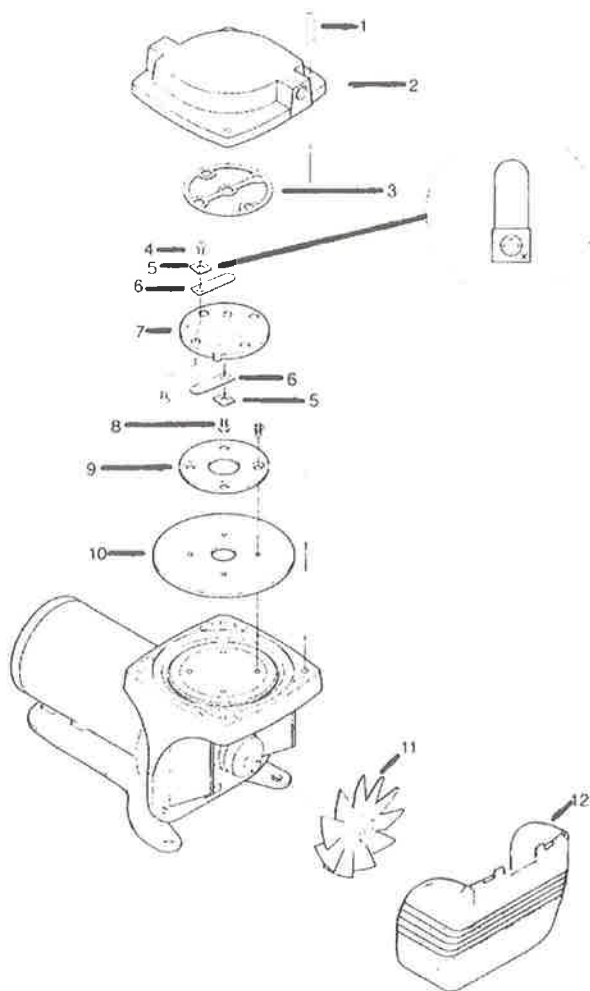


GOLDACRES FOAM MARKER COMPRESSOR



22DI-P103-KGB Gast bare compressor

Compressor no longer available, parts still available, see below.



PARTS ORDERING INFORMATION

| Ref. No. | Description | Part Qty | Model# |
|----------|----------------------------|----------|---------|
| 1 | Head Screws | 4 | SCR1001 |
| 2 | Head | 1 | HDC1003 |
| 3 | Head Gasket | 1 | ACC1018 |
| 4 | Intake Valve Screw | 1 | SCR1017 |
| 5 | Retainer Valve | 2 | AF795 |
| 6 | Valve | 2 | AF819A |
| 7 | Valve Plate | 1 | VPL1003 |
| 8 | Exhaust Valve Screw | 1 | SCR1015 |
| 9 | Retainer Plate | 1 | RPL1001 |
| 10 | Diaphragm (Neoprene mat'l) | 1 | DPH1001 |
| 11 | Fan | 1 | ACC1001 |
| 12 | Grille | 1 | CVR1001 |
| | Service Kit | 1 | K707 |

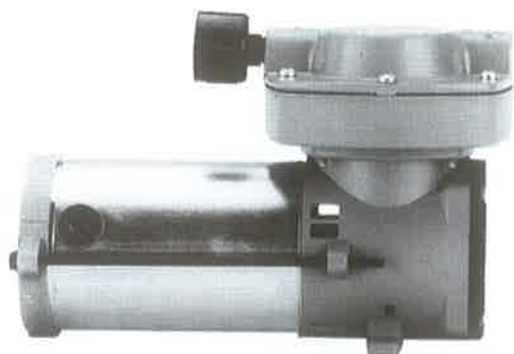
♦ Denotes parts included in the Service Kit

Parts listed are for stock models. For specific OEM models, consult the factory.

When corresponding or ordering parts, please provide complete model and serial numbers



GOLDACRES SUPA EXACTA FOAM MARKER COMPRESSOR

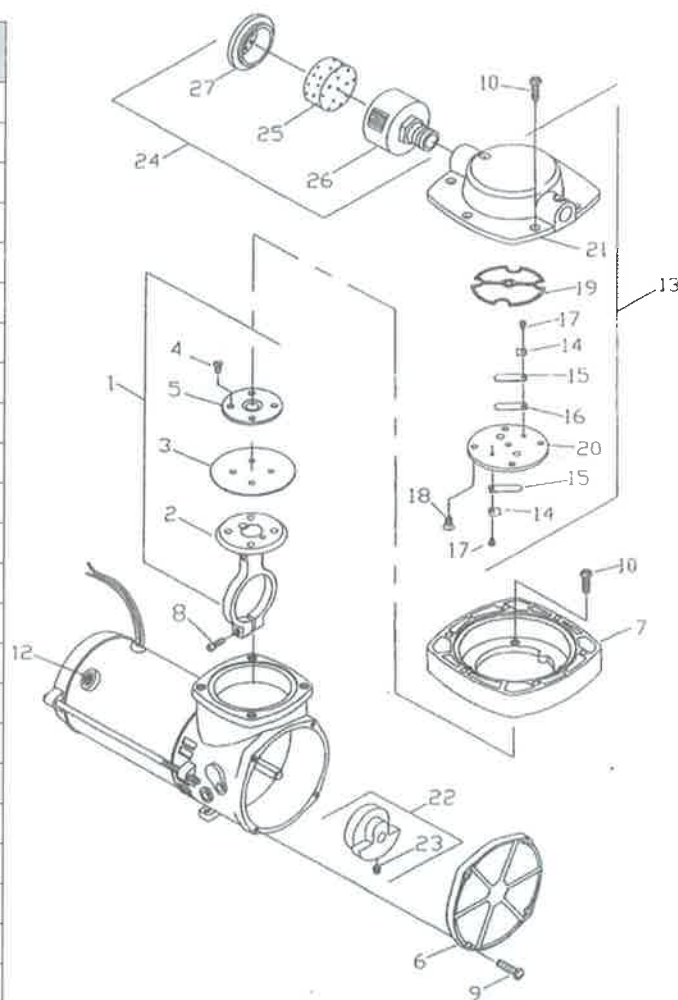


This compressor is used for the **Supa Exacta** foam markers .

910CDC22/12

Bare compressor

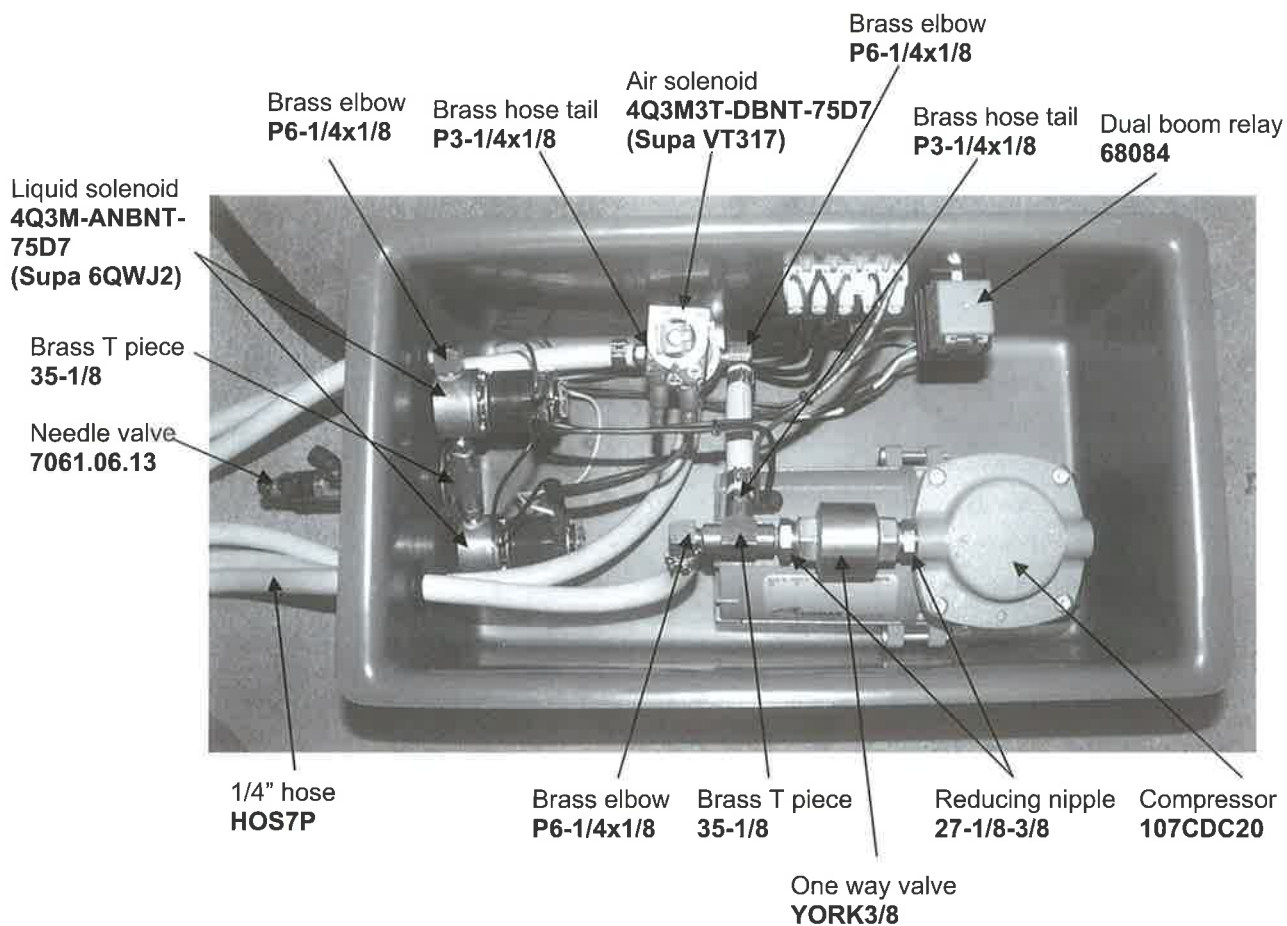
| POS. NO. | PART NO. | DESCRIPTION | Qty |
|----------|------------|----------------------------------|-----|
| 1 | 607476 | Connecting rod assembly | 1 |
| 2 | 607153 | Connecting rod | 1 |
| 3 | 608150 | Diaphragm | 1 |
| 4 | 625540 | Screw—Hold down plate | 4 |
| 5 | 654966 | Hold down plate | 1 |
| 6 | 614608 | Front cover | 1 |
| 7 | 624454-504 | Head adapter | 1 |
| 8 | 625114 | Screw—Connecting rod | 1 |
| 9 | 625266 | Screw—Front cover | 4 |
| 10 | 625444 | Screw—Head and Adapter | 10 |
| 11 | 627166 | Brush (not shown) | 2 |
| 12 | 627167 | Brush holder cap | 2 |
| 13 | 669374-504 | Head & Valve plate assembly | 1 |
| 14 | 617045 | Valve keeper strip | 2 |
| 15 | 621102 | Valve flapper (intake & exhaust) | 2 |
| 16 | 621502 | Valve flapper (Plastic) | 1 |
| 17 | 625448 | Screw—Valve flapper | 2 |
| 18 | 625606 | Screw—Valve plate | 5 |
| 19 | 633560 | O ring | 1 |
| 20 | 662157 | Valve plate | 1 |
| 21 | 661661-504 | Head | 1 |
| 22 | 667375 | Eccentric & Bearing assembly | 1 |
| 23 | 625244 | Set screw—Eccentric | 1 |
| 24 | 660587 | Filter assembly | 1 |
| 25 | 641010 | Filter | 1 |
| 26 | 660776 | Filter body | 1 |
| 27 | 660803 | Filter body cap | 1 |





EXACTA FOAM MARKER COMPONENTS

THE COMPRESSOR/DIVERTER UNIT:



When ordering a replacement compressor, please note whether the compressor is a GAST or THOMAS compressor.



| | |
|-------------------------|--------------------|
| Compressor Box complete | 107CDC20-EX |
| Foam marker compressor | 107CDC20 |
| Box only | FOAMBOX |



EXACTA FOAM MARKER COMPONENTS

VEHICLE MOUNTED CONTROL BOX



Exacta foam control box
EXCC
Dual boom **EXCC-DUAL**

On/Off/On switch
5586B

On/Off switch
ST25B

Alligator clips
P304

7 Pin plug
B51B



Compressor Filter
362-12



Filter Cartridge
A245-CART

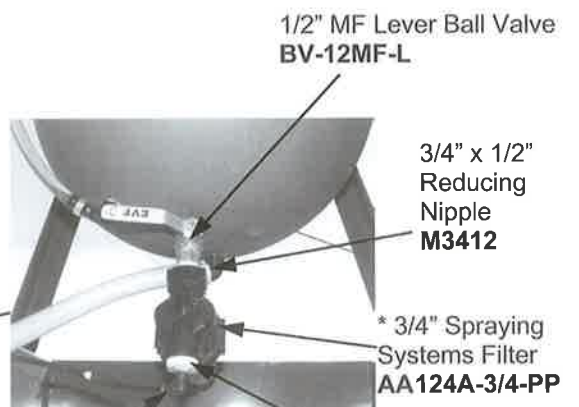
100 LITRE EXACTA FOAM TANK



Foam Cap
P24730

Foam Cap O Ring
FMO50X5

100L Exacta Tank
TNK100-EX



1/2" MF Lever Ball Valve
BV-12MF-L

3/4" x 1/2"
Reducing
Nipple
M3412

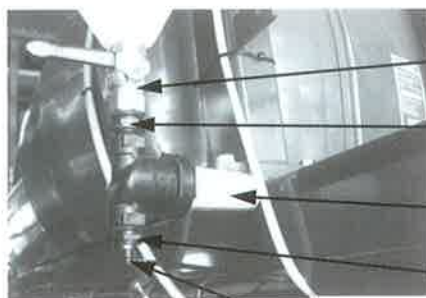
* 3/4" Spraying
Systems Filter
AA124A-3/4-PP

Hydraulic elbow
EL6-P/T 1/4

3/4" X 1/4" Reducing bush
RB3414

Diagram of parts beneath
foam marker tank on
Prairie Special sprayer.

* Filters are fitted with
200 mesh screens.
CP16903-7-SSPP



1" FF Lever Ball Valve
25-090

1" x 3/4" Reducing
Nipple **M10034**

* 3/4" Spraying Systems Filter
AA124A-3/4-PP

3/4" X 1/4" Reducing nipple
M3414

Hydraulic elbow
EL6-P/T 1/4



EXACTA FOAM MARKER COMPONENTS

The Exakta foam marker produces foam in the foam generator which is located 4 metres from the end of the boom.



Foam generator **FGEN** Foam generator brackets **FGEN-BRK**

The control valve (needle valve) is used to vary the amount of liquid used to produce the foam. This serves to alter the density of the foam to suit appropriate conditions.



1/4" Needle Valve
7061.06.13

Exakta foam marker accumulator complete
ACC-GCOM

Consisting of:



Exakta foam marker accumulator
(green)
ACC-GBARE



Exakta foam marker bracket
ACC-BR-EX



Foam marker accumulator elbow
118319

50 x 6 bolt
M6X50

6mm Nyloc nut
NN6

1/4" One way valve
C050501C1/4

1/8" One way valve
C050501C



Dual boom and accumulator
protector
DUAL-PRA
Suit 40mm aluminium



3/4" Nut and tail **N34**

3/4" Nipple **M34**

Foam generator brass
washer **FGEN-BW**

Foam generator screen
FGEN-SC



Quick coupling
elbows
EL6-P/T 1/8
EL6-P/T 1/4



Accumulator protector
bracket, including 2 bolts.
ACC-PR
Please state 35mm RHS
or 40mm aluminium



Dual boom protector
DUAL-PR
Please state 35mm RHS or
40mm aluminium



EXACTA FOAM MARKER DIRECT INJECTION

The Exacta foam marking system with Direct Injection is a variation of the Exacta foam marker with the added feature of the foam concentrate and water being contained in separate tanks. The foam concentrate is then injected directly into the water line to form the foam liquid and then this foam liquid is mixed with air in the foam generator out on the boom. The foam is then forced under pressure out of the foam generator to the accumulator at the end of the boom.

Both the foam concentrate tank and foam water tank is pressurized from system backpressure. A needle valve in the foam concentrate line restricts the amount of concentrate used to a constant rate. A control valve (needle valve) is used to vary the amount of water being delivered which enables variability in the foam composition to suit appropriate spraying conditions.

The foam is generated in the foam generator, which is situated on the boom, and then the foam is forced out to the foam accumulators and out on the ground. This results in production of foam of a high level of consistency and with a short lead time between starting the foam marker and foam coming out of the accumulator.

Included in the Exacta foam marker direct injection kit is:

25 Lt tank and bracket, flow regulator needle valve assembly and all necessary hoses and fittings.

Exacta Foam Marker Direct Injection Kit

EXA25

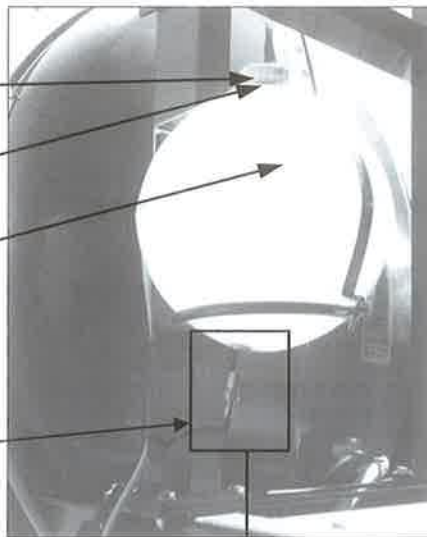
Foam Cap
P24730

Foam Cap O Ring
FMO50X5

25 Lt Tank
TNK25

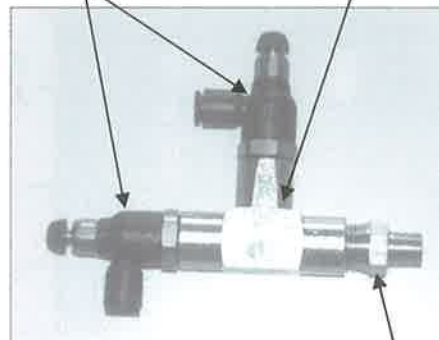
25 Lt tank & mounting
bracket **TNK25-MB**

White one way valve
92046017



1/4" Needle Valve
7061.06.13

1/4" Brass Tee
35-1/4



1/4" x 1/8" Nipple
P3-1/4x1/8

Brass reducing nipple
73-1/2x1/4

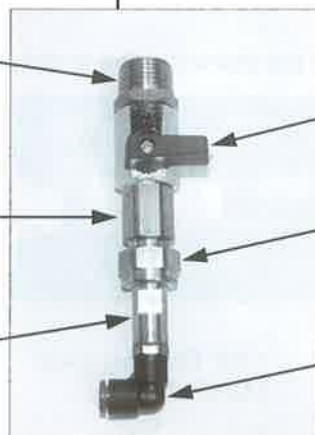
Brass nozzle body
CP1321-1/4T

Brass adapter
CP4928

1/2" MF T handle tap
BV-12MF-B

Brass cap *
CP1325

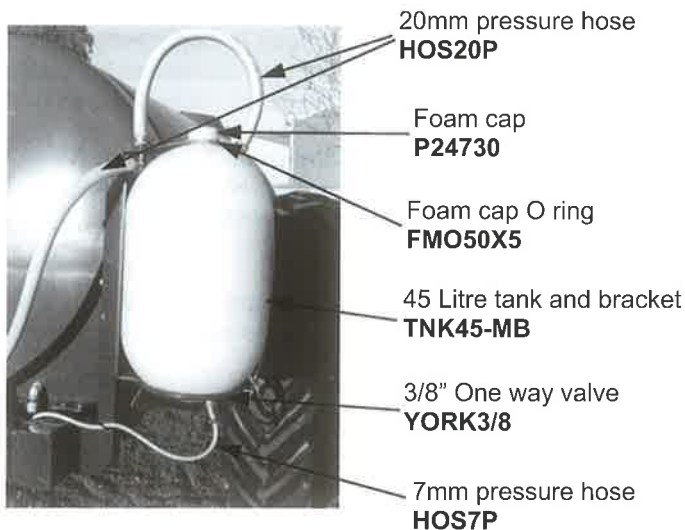
Hydraulic elbow
EL6-P/T 1/8



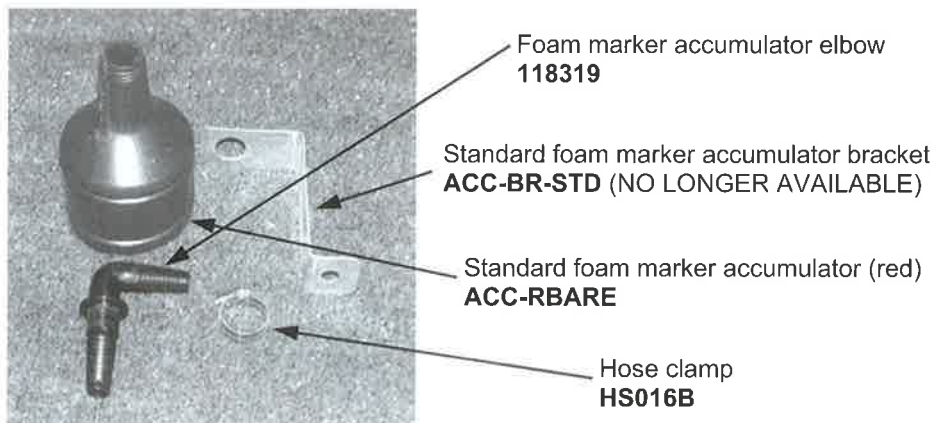
* 200 mesh screen used beneath cap
8079-PP-200



STANDARD FOAM MARKER COMPONENTS



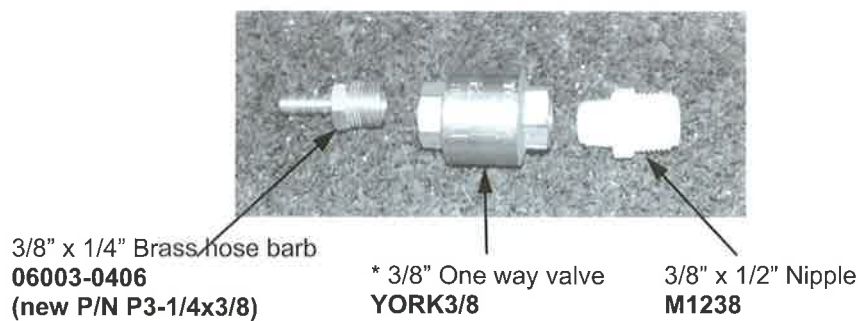
Standard foam marker compressor control box
Control Box Complete **107CDC20-STD**
Box Only **FOAMBOX**



Standard foam marker
accumulator complete
ACC-RCOM



It is important to regularly check the condition of the one-way valve to make sure it is clean and functioning correctly.



* 1/2" One way valves also available **YORK1/2**



TAS MONITOR



TAS4G

Please specify cable length when ordering Tas monitor.

Refer to picture below.

The GoldAcres TAS Monitor gives you speed, area and RPM all in the one neat control box at a budget price.

Simple to install, the kit comes complete with mounting bracket, sensors and cables.

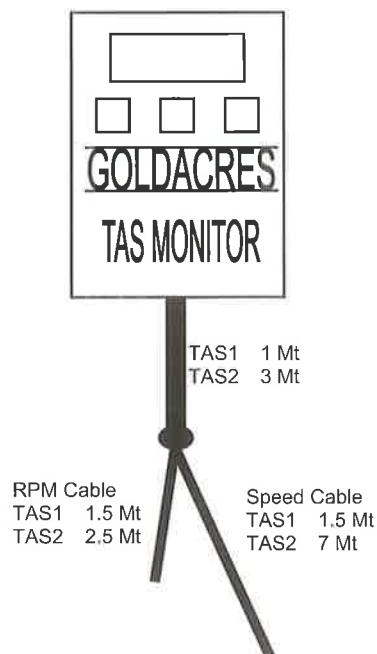
A built-in small Ni Ci battery supplies stand-by power for the monitor's memory.

The TAS Monitor can be adapted to fit any machine.

(Please state TAS1 or TAS2 cable length when ordering.)



Super magnet
MS122





GOLDACRES LOW PRESSURE ELECTRICAL CONTROL SYSTEMS

GOLDACRES ELECTRIC BOOM CONTROL WITH MANUAL PRESSURE REGULATION

System provides electric remote boom on/off control and **manual pressure regulation**. Includes control box complete with all necessary cabling, solenoids, manifold, gauge, exhaust clamps and manual pressure regulator.

| DESCRIPTION | COMPLETE SYSTEM PART NO | CONSOLE PART NO | MANIFOLD PART NO. |
|--------------------|-------------------------|-----------------|-------------------|
| 2-way boom control | GCBMP-2 | GCB-2C | GCBMP-2M |
| 3-way boom control | GCBMP-3 | GCB-3C | GCBMP-3M |
| 4-way boom control | GCBMP-4 | GCB-4C | GCBMP-4M |
| 5-way boom control | GCBMP-5 | GCB-5C | GCBMP-5M |
| 6-way boom control | GCBMP-6 | GCB-6C | GCBMP-6M |

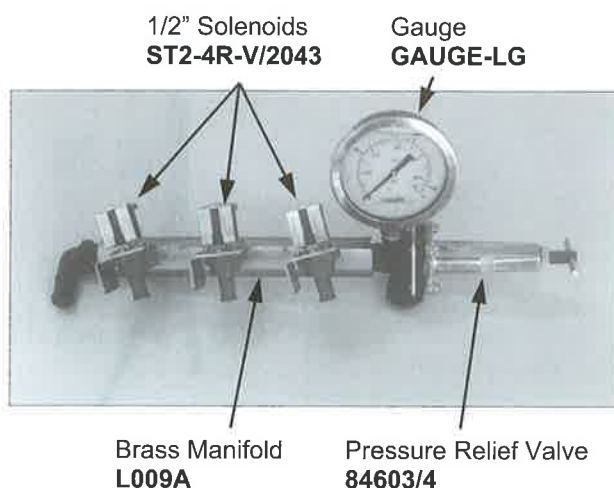
7-Pin trailer socket **B37B**



Included is the box, fuse and fuse holder, switches, cabling, connecting plug and battery clamps.

Fuse
YC513C
On/Off Switch
ST25B

CONSOLE



1/2" Solenoids
ST2-4R-V/2043
Gauge
GAUGE-LG

Brass Manifold
L009A

Pressure Relief Valve
84603/4

Nylon Fittings to suit

MANIFOLD

Included is the manifold, 1/2" solenoids, manual pressure regulator, gauge, exhaust clamps and nylon fittings to suit.

OPTION: 3/4" Solenoid in lieu of 1/2"



GOLDACRES LOW PRESSURE ELECTRICAL CONTROL SYSTEMS

GOLDACRES ELECTRIC BOOM CONTROL WITH ELECTRIC PRESSURE REGULATION

System provides electric remote boom on/off control and **electric pressure regulation**. Includes control box complete with all necessary cabling, solenoids, manifold, remote mount gauge, exhaust clamps and electric pressure regulator.

| DESCRIPTION | COMPLETE SYSTEM PART NO | CONSOLE PART NO | MANIFOLD PART NO |
|--------------------|-------------------------|-----------------|------------------|
| 2-way boom control | GCBEP-2 | GCBEP-2C | GCBEP-2M |
| 3-way boom control | GCBEP-3 | GCBEP-3C | GCBEP-3M |
| 4-way boom control | GCBEP-4 | GCBEP-4C | GCBEP-4M |
| 5-way boom control | GCBEP-5 | GCBEP-5C | GCBEP-5M |
| 6-way boom control | GCBEP-6 | GCBEP-6C | GCBEP-6M |

CONSOLE

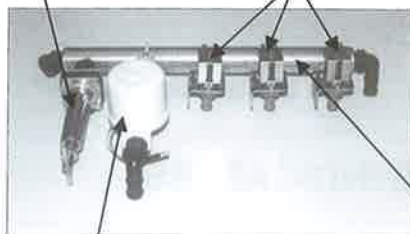


Included is the box, fuse and fuse holder, switches, cabling, connecting plug and battery clamps.

MANIFOLD

Pressure Relief Valve
8460-3/4

1/2" Solenoids
ST2-4R-V/2043



Included is the manifold, 1/2" solenoids, electric pressure regulator, relief valve, remote mount gauge, exhaust clamps and nylon fittings to suit.

OPTION: 3/4" Solenoid in lieu of 1/2"

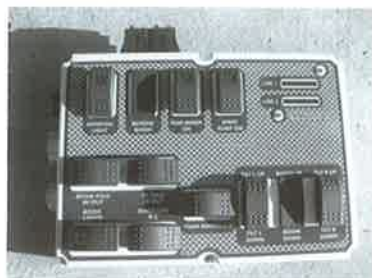
Brass Manifold
L015A

Remote mount gauge kit
RMK



3/4" Electric Pressure Regulator
0630159001

Advance control box
ADV-CONBOX
Please state option required.



Advance control box incorporates all functions on the 05 Prairie Advance.

- Rotating light,
- Boom reverse,
- Foam marker,
- Spray pump,
- Boom fold in/out,
- Bi-fold in/out,
- Boom lights,
- Fence line,
- Foam marker
- Tilt up/down left
- Boom up/down
- Tilt up/down right
- Line low pressure indicators.



GOLDACRES DIRECTOR PRESSURE ELECTRICAL CONTROL SYSTEMS

The system provides electric on/off control of each side of the sprayer, and electric pressure adjustment. Includes control box complete with all necessary cabling to the rear of the tractor.



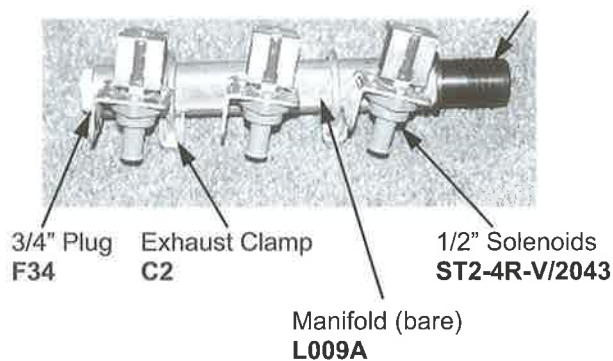
Director control box with fan RPM read out
DIR-CON

* Please advise if double or single row sprayer.

GOLDACRES THREE SOLENOID MANIFOLDS FITTED TO PRAIRIE SPRAYERS

Complete 1/2" Manifold
MAN3-1/2-COM

Hose barb 3/4" x 1 1/4"
A34114



BOOM SHUTOFF MANIFOLD

Included is the manifold, 1/2" solenoids, exhaust clamps, and nylon fitting to suit.

OPTION: 3/4" Solenoid in lieu of 1/2"

Hose barb 3/4" x 1 1/4"
A34114

3/4" Solenoid
12QW2-CNBVT-75D7
1/2" to 3/4" Elbow
EL1234

Complete 3/4" Manifold
MAN3-3/4-COM

GOLDACRES LINE LOW PRESSURE INDICATORS



This warning system has been developed particularly for dual spray lines which can have up to ten individual boom sections fitted, but is also a valuable operational tool for any spray boom with remote switching.

The display consists of a pressure sensor fitted to each spray line immediately after the solenoid or motorised sectional valve. The sensor is powered separately from the sectional valve and each has a separate earth.

An LED display built into the foam marker box has up to ten lights available (ie up to ten sections). Once pressure exceeds 15 psi the LED illuminates.

The sensors are brass construction with special seals to resist water and agricultural chemicals.

If the pressure drops below 15 psi in any spray section, the LED switches off, warning the operator of a malfunction. This gives operators great peace of mind and reduces the requirement to be continually checking to see boom sections are all functioning.

GOLDACRES LINE LOW PRESSURE INDICATORS LINEL*
(* = number of sections)



Spraying Systems Pressure Regulating Valves



AA244- $\frac{3}{4}$ Remote Control Electric Regulating Valve

The AA244- $\frac{3}{4}$ butterfly valve provides remote pressure control. Features two-wire lead for use in 12VDC system, reduced pressure loss (0.2 bar for 76 L/min flow), and maximum operating pressure of 7 bar. $\frac{3}{4}$ " NPT (F) connections. Good corrosion resistance. Low current draw

Gasket & Seal Repair Kit to suit AA244 PK-AB244C-KIT

AA247-1 $\frac{1}{2}$ Remote Control Electric Regulating Valve

Larger capacity than AA244- $\frac{3}{4}$ with 0.7 bar pressure loss for 265 L/min flow. For use in 12 VDC systems. Maximum operating pressure of 7 bar. 1 $\frac{1}{2}$ " NPT (F) connections. Good corrosion resistance. Low current draw (0.15 amp).



Model AA344E-2PR Linear Pressure Regulating Valve

The AA344E-2PR two-way linear pressure regulating valve is designed to provide gradual and smoother regulation and shut-off control in agricultural spraying operations. Features two-wire lead that provides easy installation with 744 Sprayer Control and similar 12VDC systems. Low power consumption (1.0 amp). Pressure drop of 0.35 bar at 53 L/min. Maximum operating pressure

of 20 bar. Available with $\frac{3}{4}$ " and 1" connections BSPT or NPT (F).

Model 344E-2RL Pressure Regulating Valve

Larger capacity than the 344E-2PR with a pressure drop of 5 psi/0.35 bar at 102 L/min and a cycle time from fully open to closed is 12 seconds.

| 344 Ball Valve Type | Regulating | | |
|--|------------|-------|-------|
| | E-2R | E-2RL | E-2PR |
| 344 Ball Valve Designator | E-2R | E-2RL | E-2PR |
| Number of Wires | 3 | 2 | 2 |
| Nominal Amps at 13.8 Volts | .13 | .13 | .13 |
| Cycle Time in Seconds at 13.8 Volts | 13 | 13 | 26 |
| Valve Body Assembly Cut Away | | | |
| Ball Profile | | | |
| Flow Rate in L/min at 0.35 bar drop | 121 | 102 | 45 |
| No Flow to Full Flow at 13.8 VDC Time in Sec | 8 | 12 | 21 |
| Full Flow to No Flow at 13.8 VDC Time in Sec | 9 | 12 | 22 |



SPRAYING SYSTEMS PRESSURE RELIEF / REGULATING VALVES



Model 8460#

~ Flow rate to 212 L/min for 1/2" and 265 L/min for 3/4"

Model 9840#

~ Similar to the 8460 with different choices of materials.
~ Flow rate to 212 L/min for 1/2" and 265 L/min for 3/4"

DIAPHRAGM TYPE

PRESSURE RELIEF/REGULATING VALVES

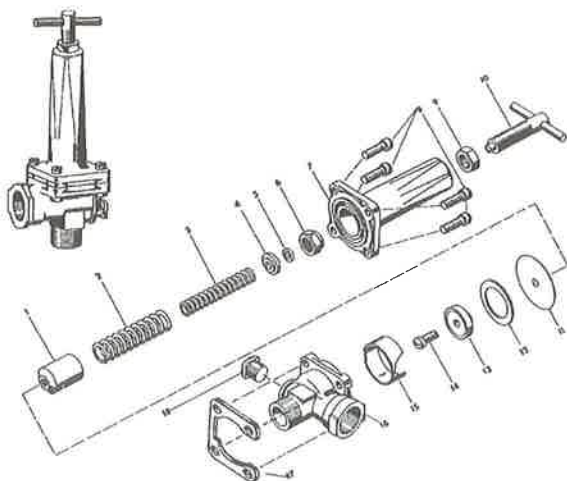
Bypasses excess liquid. Choice of 1/2" and 3/4" NPT sizes. Chemical-resistant diaphragm seals off operating parts from contact with chemicals and remains resilient for chatter-free, responsive pressure control.

Able to limit maximum obtainable system pressure.

FEATURES:

- ~ Stainless steel springs, responsive to the pressure range of each valve.
- ~ Extra-large valve passages to handle full flow from supply line.
- ~ Positive lock nut to hold adjustment screw firmly in place. Not affected by jarring and vibration.
- ~ Made of quality materials - choice of brass, aluminium, ductile iron and nylon as listed in tables.

| Valve No. | Inlet & Pipe Connections | Material Inlet Body Bonnet | Pressure Range |
|------------|--------------------------|----------------------------|----------------|
| 8460-*-50 | 1/2" or 3/4" | Nylon Aluminum | Up to 3.5 bar |
| 8460-*-300 | | Nylon Aluminum | |
| 9840-* | | Brass Aluminum | |
| 9840-*-AL | | Aluminum Aluminum | |
| 9840-*-DI | | Ductile Iron Aluminum | |



Model AA1101/4 Brass

~ Brass 1/4" valve commonly used when regulating pressure on 12 volt sprayers with booms

Larger sizes available - 1", 1 1/4" and 1 1/2"



PK-AB8460-KIT

Repair Kit to suit 8460 regulating valve Includes Items 2,3,5,11 & 13.

| ITEM | PART NO. | DESCRIPTION |
|------|----------------|---|
| 1 | CP8367-AL | Guide Sleeve, Aluminum |
| 2 | CP8373-SS | Outside Spring, Stainless Steel (For 8460--300) |
| | CP13128-SS | Outside Spring, Stainless Steel (For 8460--50) |
| 3 | CP8374-SS | Inside Spring, Stainless Steel (For 8460--300) |
| 4 | CP8371-AL | Spring Retainer, Aluminum |
| 5 | CP8369-NYB | Washer, Nylon (Black) |
| 6 | CP8368-SS | Adjusting Nut, Stainless Steel |
| 7 | CP8362-AL | Bonnet, Aluminum |
| 8 | CP7688-IZP | Screw, Steel, Zinc Plated (4 Required) |
| 9 | CP5898-AL | Lock Nut, Aluminum |
| 10 | CP5896-ALSS | Adjusting Stem (Sub-Assembly) |
| 11 | CP8365-FA | Diaphragm, Fairprene |
| 12 | CP8365-304SS | Stop Ring, Type 304 Stainless Steel |
| 13 | CP8364-NYB | Back Up Seat, Nylon (Black) |
| 14 | CP8477-SS | Screw, Stainless Steel |
| 15 | CP8389-304SS | Chamber Insert, Type 304 Stainless Steel |
| 16 | CP8361-1/2-NYB | Body, Nylon (Black) For 8460-1/2 |
| | CP8361-3/4-NYB | Body, Nylon (Black) For 8460-3/4 |
| 17 | CP9017-IZP | Clamp Plate, Steel, Zinc Plated |
| 18 | 8400-1/4-PPB | Pipe Plug, Polypropylene (Black) |



SOLENOIDS (for boom shut-off)

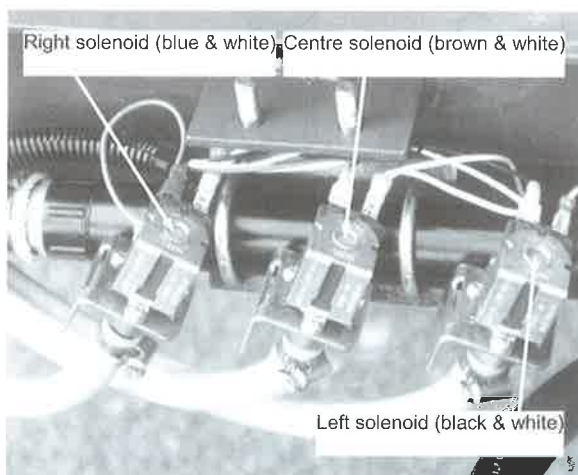
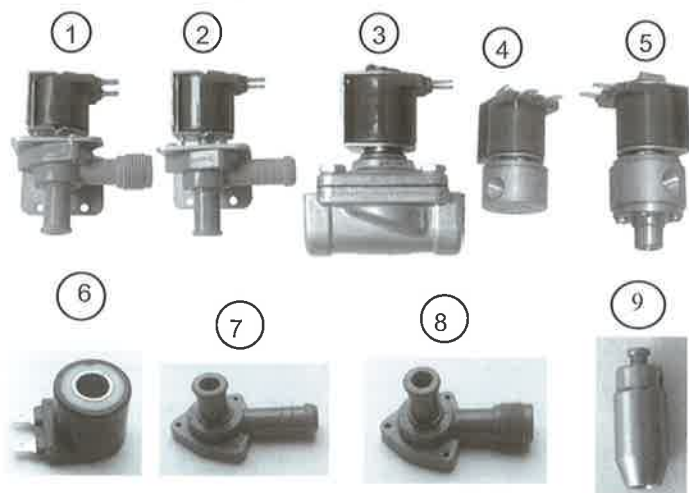
The pilot-operated solenoids provides for simple and effective boom shut-off.

When the solenoid is energized, the plunger opens the pilot orifice located in the centre of the floating diaphragm. This relieves the pressure from the top of the diaphragm to the outlet side of the valve which results in an unbalanced condition and allows the main pressure line to lift the diaphragm off the main orifice, thereby opening the valve.

SOLENOID TROUBLESHOOTING:

| PROBLEM | POSSIBLE CAUSE | POSSIBLE REMEDY |
|------------------------|--|--|
| Valve fails to operate | - power supply failure | - check all connections and all wires for damage |
| | - diaphragm damaged (or hole in diaphragm blocked) | - replace diaphragm and ensure hole is clear |
| | - foreign object blocking plunger from seating | - check and clean inside solenoid |
| | - system pressure greater than 110 psi | - reduce system pressure |

If total console failure occurs, as a temporary measure (so as to be able to empty current tank load) the plunger and spring in the solenoid can be removed (so that the solenoid is always open) and the boom controlled by putting the PTO in and out of gear.



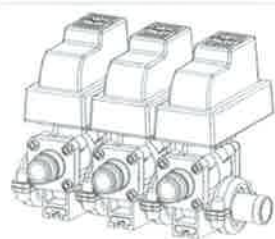
| POS. NO. | DESCRIPTION | SIZE | PART NO. | TO SUIT: | REPAIR KIT PART NO. |
|----------|---|-----------|--------------------------|--------------------|---------------------|
| 1 | 12VDC Solenoid - Thread/Barb | 1/2" | ST2-4R-V/2043 | Electric Controls | M1682 |
| 2 | 12VDC Solenoid - Barb/Barb | 1/2" | ST2-HR-V/1833 | Electric Controls | M1682 |
| 3 | 12VDC Solenoid | 1/2" | 12QW2-CNBVT-75D7 | Electric Controls | KM3061 |
| 4 | 12VDC Liquid Solenoid | 1/4" | 4Q3M-ANBNT-75D7 | Exacta Foam Marker | KM1348 |
| 5 | 12VDC Air Solenoid | 1/4" | 4Q3M3T-DNBNT-75D7 | Exacta Foam Marker | KM3025 |
| 6 | 12VDC Solenoid coil | - | G60185-64 | 12 Volt solenoid | - |
| 7 | 1/2" Solenoid body (barb-barb) | 1/2" | G10151 | 1/2" Solenoid | - |
| 8 | 1/2" Solenoid body (barb-thread) | 1/2" | G10161 | 1/2" Solenoid | - |
| 9 | Plunger to suit 12QW2 solenoid | - | G611454 | 3/4" Solenoid | - |
| | Solenoid body (3/4" thread x 1/2" barb) | 3/4"x1/2" | G10162 | 1/2" Solenoid | - |



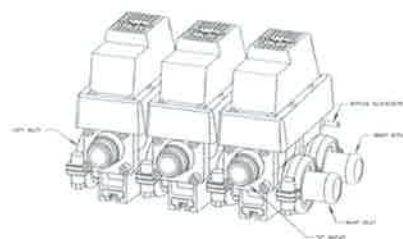
MOTORISED BALL VALVES

The motorised ball valves provide for simple and effective boom shut-off.

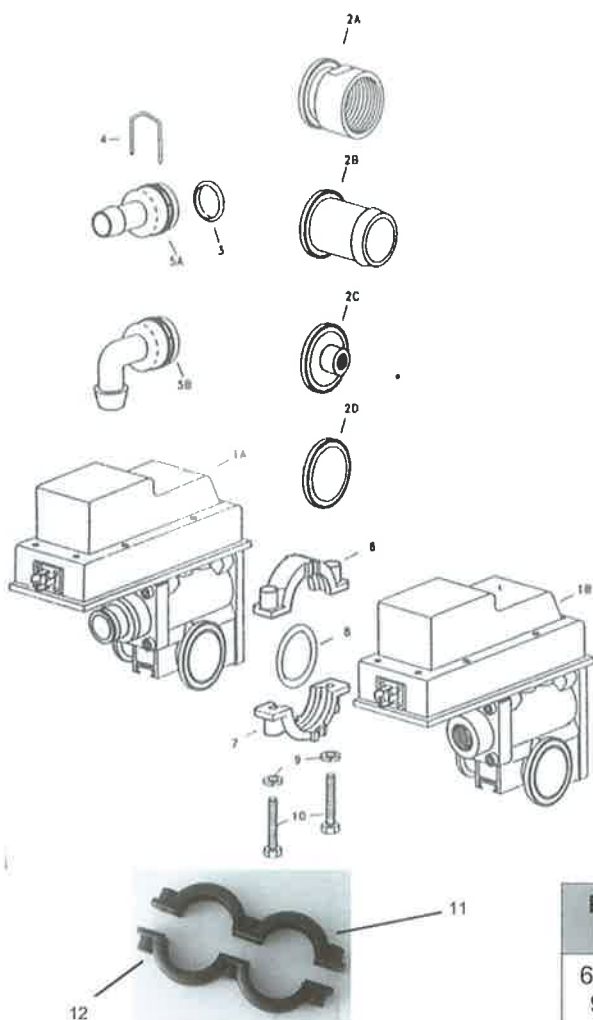
The valves are available in a two way or three way configuration. The three-way ball valves include a throttling valve for bypass when the valve is closed. This feature reduces the pressure spikes that can be experienced with a two way valve (shown below).



Model 460 two-way motorised ball valve



Model 460 three-way motorised ball valve



| POS. NO. | PART NO. | DESCRIPTION |
|----------|--|---|
| 2A | CP45512-NYB | 1 1/4" Threaded inlet |
| 2B | CP45504-NYB CP45505-NYB CP45506-NYB | 1" Straight hose barb inlet 1 1/4" Straight hose barb inlet 1 1/2" Straight hose barb inlet |
| 2C | CP45508-NYB | 1/4" Threaded inlet |
| 2D | CP45507-NYB | Blank inlet |
| 3 | CP7717-2/120-VI | Viton o'ring |
| 4 | CP37166-1-302SS | 302 Stainless steel clip |
| 5A | 45529-1/2 45529-3/4 45529-1 | 1/2" Straight hose barb outlet 3/4" Straight hose barb outlet 1" Straight hose barb outlet |
| 5B | 45529-90-1/2 45529-90-3/4 45529-90-1 | 1/2" Elbow hose barb 3/4" Elbow hose barb 1" Elbow hose barb |
| 6 | CP45515-NYB | Upper clamp (single) |
| 7 | CP45516-NYB | Lower clamp (single) |
| 8 | CP7717-2/222-VI | Viton o'ring |
| 9 | CP45520-302SS | Spring washer |
| 10 | CP37553-25-SS | Stainless steel M6 screw |

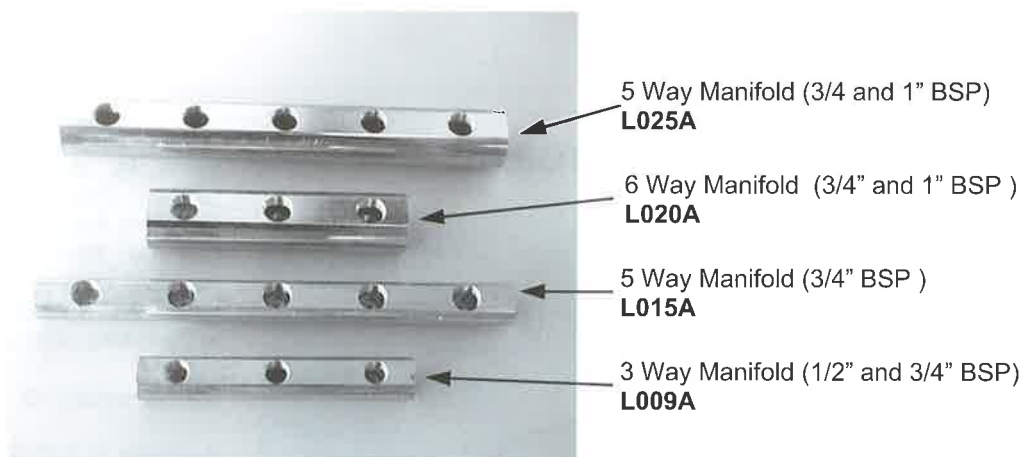
KITS ALSO AVAILABLE

| POS. NO. | PART NO. | DESCRIPTION |
|------------------|----------|--|
| 6, 7, 8, 9, 10 | 46070 | Outlet clamp sub assembly (single clamp) |
| 8, 9, 10, 11, 12 | 46024 | Inlet clamp sub assembly (double clamp) |



BRASS MANIFOLDS

| PART NO | DESCRIPTION |
|---------|--|
| L009A | 3 Way Manifold (1/2" and 3/4" BSP) |
| L015AC | 3 Way Manifold (3/4" BSP) |
| L015AD | 4 Way Manifold (3/4" BSP) |
| L015A | 5 Way Manifold (3/4" BSP) |
| L025A | 5 Way Manifold (3/4" and 1" BSP) |
| L015AB | 6 Way Manifold (3/4") |
| L030A | 6 Way Manifold (1/4" and 3/4" BSP) |
| L020A | 6 Way Manifold (3/4" and 1" BSP) |
| L025AB | 6 Way Manifold Heavy (3/4" and 1" BSP) |



EXHAUST CLAMPS

| SIZE | TO SUIT: | PART NO. |
|------------|---|----------------|
| 8mmx60x60 | Manifold | FG0008 |
| 8mmx50x60 | Manifold | FG0009 |
| 10mmx30x40 | Cable drum | FG0010 |
| | Cable drum U bolt bracket (stainless steel) | F70266A |
| 1 1/4" | Stainless steel boom | C2 |
| 1 3/4" | Manifold | C6 |
| 2 5/8" | Top fill filter | C12A |
| 3" | Hydraulic lift ram delta boom | C17 |





GLYCERINE FILLED GAUGES

100ml Large Face 1/4" BSP Thread
62ml Small Face 1/4" BSP Thread



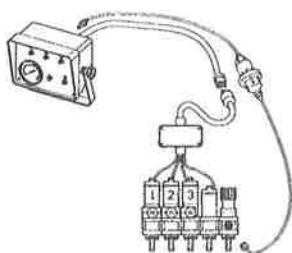
100mm gauge

GAUGE-LG160PSI

62mm gauge

GAUGE-SM30PSI
GAUGE-SM60PSI
GAUGE-SM140PSI
GAUGE-SM160PSI
GAUGE-SM350PSI

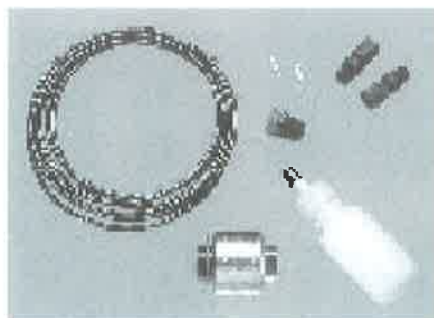
GAUGE PROTECTOR / ISOLATOR KIT



Keep chemicals out of the tractor cabin by isolating the pressure gauge. Also protects gauge from corrosive fluids. Easy to install and can be fitted directly to boom manifold or anywhere between the gauge and control valve. Pressures to 2950 kPa (430 psi).

Gauge Isolator Kit **466350**

Available in 1/4" BSP fittings to suit either 1/8" or 1/4" hydrostatic flexible tubing - please specify (see table Remote Mount Gauge Kit).



Gauge Isolator Kit

Model 23800A

The optional TeeJet Gauge Isolator Kit provides additional insurance against chemical exposure to the pressure gauge and to the operator. The isolator is mounted in the pressure gauge line outside the cab. The gauge side of the isolator requires Glycerin or ATF (automatic transmission fluid) fill.

- Mounts through a 13/16" (22 mm) hole in up to 14 gauge (0.078"/2 mm) material.
- Available with 1/8" or 1/4" NPT (F) connections.
- The kit includes instructions and all necessary hardware required to install the gauge isolator. Also comes with filling bottle.
- Materials exposed to chemical solutions are Viton and Acetal.

How to order:

Example: 23800A-1/4 or
23800A-1/4



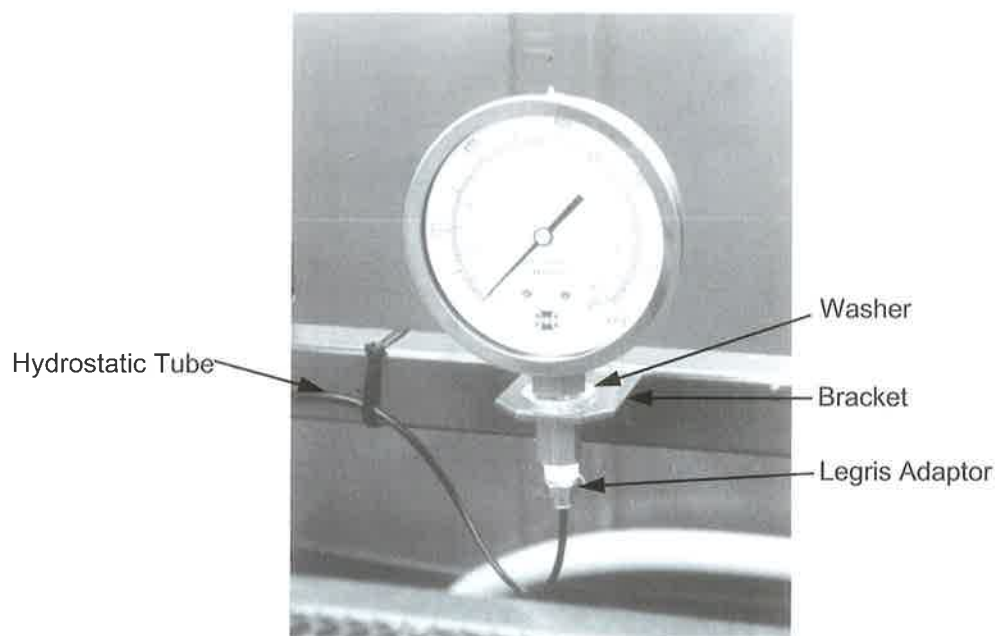
REMOTE MOUNT GAUGE KIT

The remote mount gauge kit enables the pressure gauge to be able to be placed in a position easily visible from the operating position. **Do not mount gauge inside cabin in case of possible chemical exposure.**

Remote Mount Gauge Kit Only

RMK

Gauge not included - add required gauge (see page 42)



| PART NUMBER | DESCRIPTION | QUANTITY |
|-------------|-------------------------|----------|
| 3570 | Washer | 1 |
| BRK-RMK | Bracket | 1 |
| EC6-P/T 1/4 | Legris Adaptor 1/4" | 2 |
| E8MP-06 | Hydrostatic Tube 1/4" | 2M |
| 26-1/4 | Hex. Socket Female 1/4" | 1 |



UDOR CONTROL SYSTEMS



| CONTROL UNIT | DELIVERY L/MIN | PRESSURE MAX. | | NUMBER OF OUTLETS | INDEPENDENTS | COMPENSATED | ANTI-DRIP SUCK BACK |
|--------------|----------------|---------------|---------|-------------------|--------------|-------------|---------------------|
| SB | 120 | 20 BAR | 284 PSI | 3, 4, 5, 6 | * | | |
| SL | 250 | 20 BAR | 284 PSI | 3, 4, 5, 6 | * | | * |
| CB | 120 | 20 BAR | 284 PSI | 3, 4, 5, 6 | * | * | |
| DS | 100 | 40 BAR | 568 PSI | 2, 3, 4 | * | | |



UDOR CONTROL SYSTEMS

SB

Udor SB control has manual pressure and boom section control including dump valve. Can handle a maximum pump delivery of 120L/min and maximum pressure of 20 bar. Available with three, four or five outlets and comes complete with gauge. Needs to be located within reach of the operator.



SB

3-Way SB Control

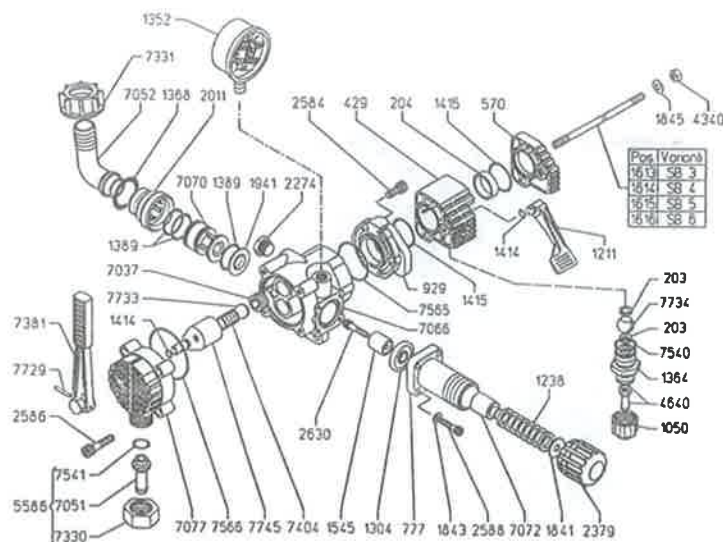
SB/3

4-Way SB Control

SB/4

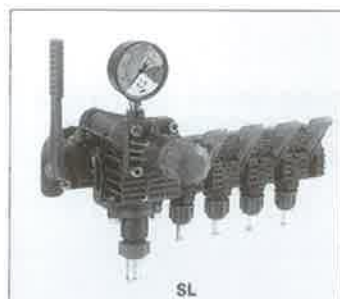
5-Way SB Control

SB/5



SL

Udor SL control has manual pressure and boom section control and also anti-drip vacuum including dump valve. Can handle a maximum pump delivery of 250L/min and maximum pressure of 20 bar. Available with three, four or five outlets and comes complete with gauge. Needs to be located within reach of the operator.



SL

3-Way SL Control

SL/3

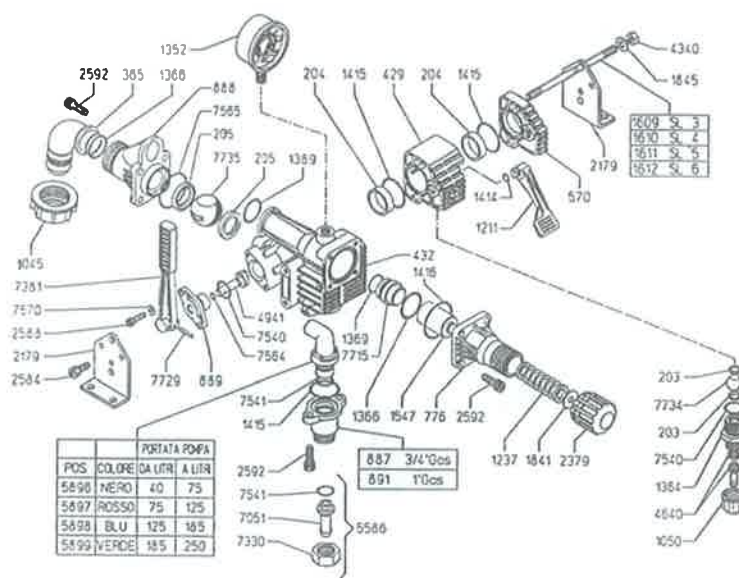
4-Way SL Control

SL/4

5-Way SL Control

SL/5

* For Udor control systems, quote position number as part number.



| POS | COLORE | DA LITRI | A LITRI |
|------|--------|----------|---------|
| 5890 | NERO | 40 | 75 |
| 5897 | ROSSO | 75 | 125 |
| 5898 | BLU | 125 | 185 |
| 5899 | VERDE | 185 | 250 |

| Pos | Versioni |
|------|----------|
| 5890 | SL 3 |
| 5897 | SL 4 |
| 5898 | SL 5 |
| 5899 | SL 6 |

| | |
|-----|----------|
| 887 | 3/4" Gcc |
| 891 | 1" Gcc |



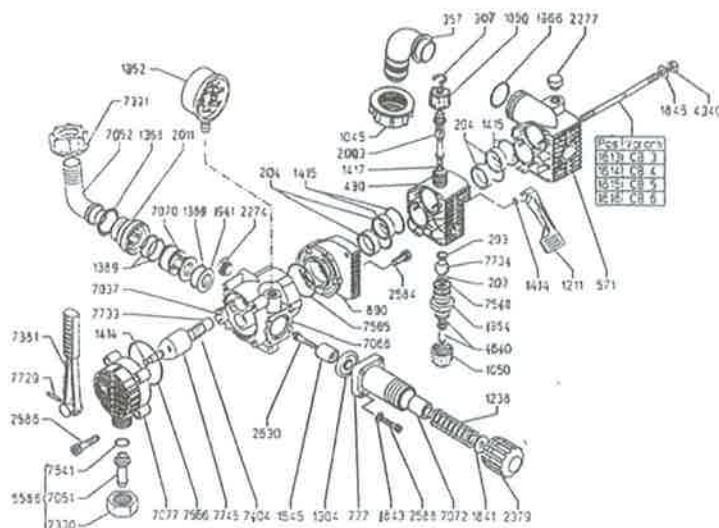
UDOR CONTROL SYSTEMS



CB

Udor CB control has manual pressure and boom section control and dump valve. Provides for constant pressure when shutting off individual boom sections. Can handle a maximum pump delivery of 120L/min and maximum pressure of 20 bar. Available with three, four or five outlets and comes complete with gauge.

| | |
|------------------|-------------|
| 3-Way CB Control | CB/3 |
| 4-Way CB Control | CB/4 |
| 5-Way CB Control | CB/5 |

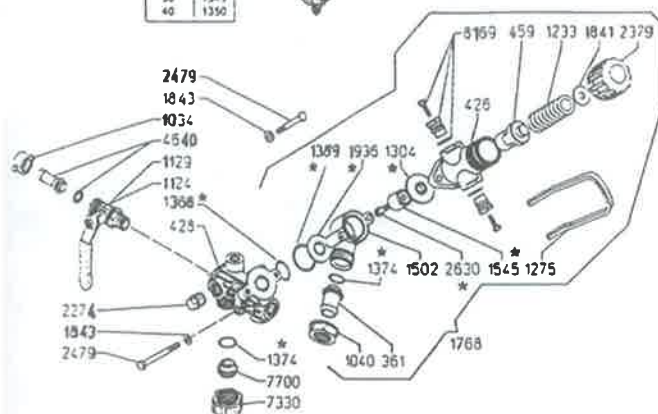


DS

Udor DS pump control has manual pressure and pump delivery outlet control and dump valve. Can handle a maximum pump delivery of 100 L/min and maximum pressure of 40 bar. Available with two or three outlets and comes complete with gauge.

| | |
|------------------|------------|
| 2-Way DS Control | DS2 |
| 3-Way DS Control | DS3 |

| PRESS (BAR) | N° |
|----------------|------|
| 20 | 1352 |
| 30 | 1349 |
| 40 | 1350 |



| KIT 552 | | KIT 554 | |
|---------|-----|---------|-----|
| CODE | QTY | CODE | QTY |
| 1304 | 1 | 1304 | 1 |
| 1368 | 1 | 1368 | 1 |
| 1370 | 2 | 1370 | 2 |
| 1374 | 2 | 1374 | 2 |
| 1389 | 1 | 1389 | 1 |
| 1545 | 1 | 1536 | 1 |
| 1934 | 1 | 3000 | 1 |
| 2830 | 1 | | |

* Only sold in kit



Old type seat ass.

3000 *



HIGH PRESSURE ORCHARD SPRAYER CONTROLS



Orchard sprayer with two section high pressure manual control valve with dump facility.

006001



Two way electric control for shut-off valve.

465100



Manual pressure regulating valve with electric bypass.

465005



Electric pressure regulating valve with electric bypass.

465015

Motor only

465900



MASTER OF THE GAME CONTROLS

Master of the Game Controls have been used extensively by Goldacres to provide control of the boom sections and pressure. However, MOG Controls were deleted from the Goldacres range of control options in 1994 and are no longer available.

If there is a problem with the MOG front panel (or the pressure transducer on Mark II), Goldacres operates a changeover policy. Goldacres will exchange a changeover panel for the panel to be repaired, so that there is a minimum delay for spraying. Do not send the whole control box. Unscrew the four screws that hold the front panel onto the control box, disconnect the plugs on the back of the panel and note the orientation of the dip switches. It must be established that there is a problem with the front panel and not with some other component in the system.

The normal policy is for the customer to keep the changeover panel and for Goldacres to keep the panel that was repaired, with the cost of the repair billed to the customer.

NOTE: When receiving a changeover MOG panel, make sure the dip switches are set the same as on the previous panel.



Master of the Game control panel "Mark 1"
No longer available

Please Note:

To replace Master of the Game controllers, a three way electric control system with electric pressure regulation is available. Refer page 38 part number GCBEP-3C. If speed and area are required, a TAS monitor can be added.



Master of the Game control panel "Mark II"
No longer available



PRESSURE TRANSDUCER

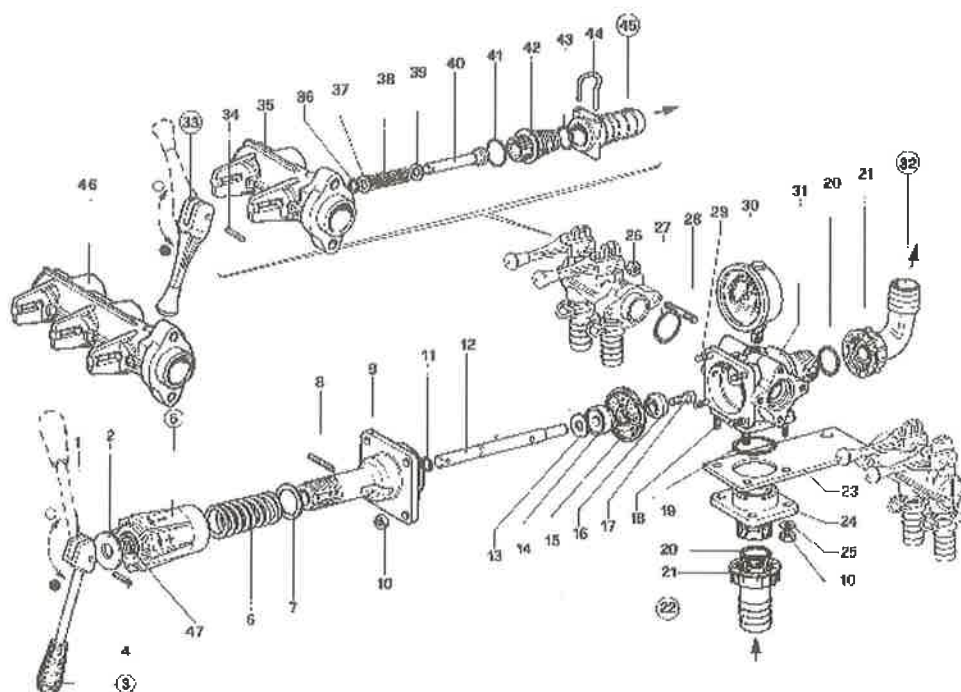
Converts liquid pressure to an electronic pressure displayed on the Mark II MOG panel. Mounted on Sprayer.
No longer available

Changeover Mark I MOG Panel
Changeover Mark II MOG Panel
Hydrostatic Tube 1/8"
Hydrostatic Joiner
Hydrostatic Adaptor

MOGCO } No longer available
MOGCO }
E1000- 02BL
PC-1/8X1/4
PU-02(D)



E-CONSTANT CONTROL



ECOSTANT

| N. posiz. | N. d'ordine | DENOMINAZIONE | N. pezzi |
|-----------|-------------|----------------------------|----------|
| 1 | 39/225 | Leva | 1 |
| 2 | 39/248 | Rondella leva | 1 |
| 3 | 39/261 | Manopola leva | 1 |
| 4 | 39/150 | Spina elastica Ø 6 × 25 | 1 |
| 5 | 39/224 | Manopola regolazione verde | 1 |
| 6 | 39/223 | Molla | 1 |
| 7 | 39/251 | Rondella molla | 1 |
| 8 | 39/197 | Spina elastica Ø 6 × 40 | 1 |
| 9 | 39/221-1 | Corpo molla | 1 |
| 10 | 39/44 | Dado 6 MA H 6 | 8 |
| 11 | 80/56 | OR Asta | 1 |
| 12 | 39/245 | Asta | 1 |
| 13 | 39/146 | Rondella pistoncino | 1 |
| 14 | 39/244 | Pistoncino | 1 |
| 15 | 39/74 | Membrana | 1 |
| 16 | 39/243 | Valvola | 1 |
| 17 | 68/56 | Vite T.C.E.I. 6 MA × 15 | 1 |
| 18 | 39/233 | Prigioniero 6 MA × 30 | 4 |
| 19 | 39/20-1 | OR Flangia Ø 39,34 × 2,62 | 1 |
| 20 | 55/35 | OR Girello Ø 23,81 × 2,62 | 2 |
| 21 | 55/24-2 | Girello | 2 |
| 22 | 55/21 | Tubo Ø 25 | 1 |
| 23 | 39/237 | Staffa | 1 |
| 24 | 39/230-1 | Flangia senza inserto | 1 |
| 25 | 55/33-1 | Rosetta Ø 6,5 | 4 |

ECOSTANT

| N. posiz. | N. d'ordine | DENOMINAZIONE | N. pezzi |
|-----------|-------------|--------------------------------|----------|
| 26 | 39/27 | Dado 8 MA H 6,5 | 4 |
| 27 | 39/29 | OR Rubinetto Ø 29 × 3 | 2 |
| 28 | 39/232 | Prigioniero 8 MA × 30 | 4 |
| 29 | 39/222 | Prigioniero 6 MA × 26 | 4 |
| 30 | 39/38 | Manometro glicerina scala 0-25 | 1 |
| 31 | 39/240 | Corpo principale | 1 |
| 32 | 55/37 | Curva Ø 25 | 1 |
| 33 | 39/35-1 | Leva | 4 |
| 34 | 39/33 | Spina leva Ø 3 × 20 | 4 |
| 35 | 39/123 | Corpo 2 rubinetti | 2 |
| 36 | 39/34-1 | OR Valvola Ø 5 × 2 | 4 |
| 37 | 39/31-2 | Rosetta OR Ø 6 × 12 × 1 | 4 |
| 38 | 39/30 | Molla | 4 |
| 39 | 39/31-3 | Rosetta valvola | 4 |
| 40 | 39/32-3 | Valvola | 4 |
| 41 | 18/10-1 | OR Niples Ø 17,5 × 2 | 4 |
| 42 | 39/260 | Niples | 4 |
| 43 | 64/7 | OR Niples Ø 13,95 × 2,62 | 4 |
| 44 | 39/258 | Forcella | 4 |
| 45 | 39/287 | Portagomma Ø 10 | 4 |
| 45 | 39/259 | Portagomma Ø 12 | 4 |
| 45 | 39/262 | Portagomma Ø 20 | 4 |
| 46 | 39/26-3 | Corpo 3 rubinetti | 1 |
| 47 | 80/45 | Molla | 1 |



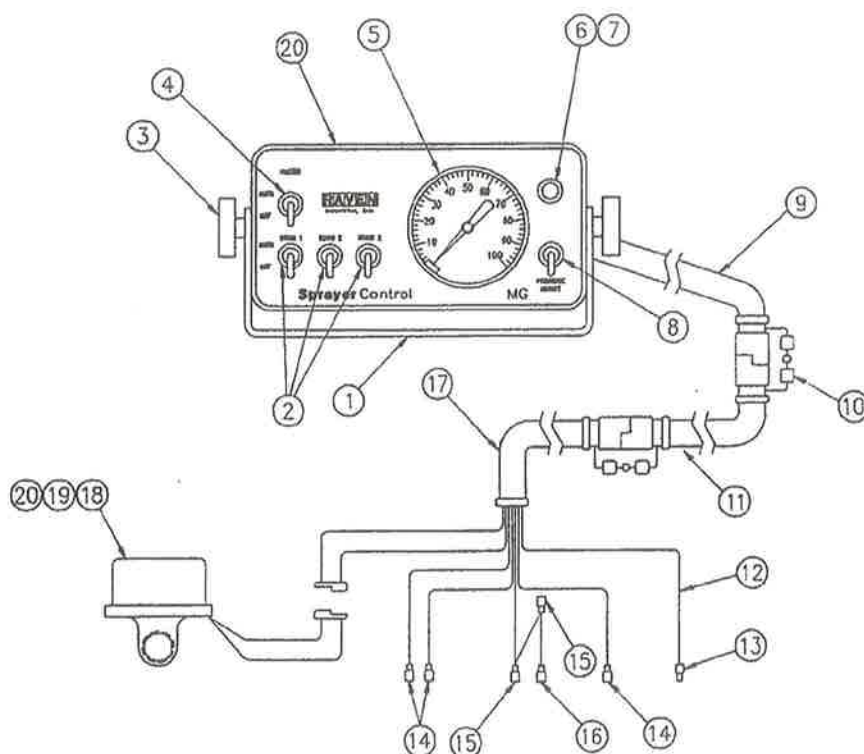
SCS203 MONITOR CONTROLLER CONSOLE



The Raven SCS203 monitors pressure with manual pressure control. Has one wet pressure gauge, and suits three boom sections.

SCS203 Console

0630159203



| ITEM | DESCRIPTION | RAVEN PART# |
|------|--|--------------|
| 1 | Mounting Bracket | 107-0159-007 |
| 2 | Boom Switch | 412-2011-038 |
| 3 | Mounting Knob | 309-1000-006 |
| 4 | Master Switch | 412-2011-037 |
| 5 | English PSI Gauge, Female Fitting, Male Fitting, 195" Tubing | 117-0159-006 |
| | Metric PSI/KPA Gauge, Female Fitting, Male Fitting, 195" Tubing | 117-0159-021 |
| 6 | Fuse Holder | 510-2001-003 |
| 7 | Fuse, 15 Amp. | 510-1003-001 |
| 8 | Pressure Switch | 412-2011-039 |
| 9 | Cable Assembly, 8 ft. Enclosure Hook-Up | 115-0159-010 |
| 10 | Union Fitting | 333-0001-008 |
| 11 | 12 ft. Ext. Cable Assembly | 107-0159-025 |
| 12 | Tubing | 214 0001-001 |
| 13 | Male Fitting | 333 0001-007 |
| 14 | Insulated Female Terminal | 405-2001-018 |
| 15 | 12-14 AWG Female Terminal | 405-2001-008 |
| 16 | 16-14 AWG Female Terminal | 405-2001-009 |
| 17 | Cable Ass'y, 6 ft. Solenoid Hook-Up | 115-0159-013 |
| | Cable Ass'y, 12 ft. Solenoid Hook-Up | 115-0159-015 |
| 18 | 3/4" Valve Assembly | 063-0159-001 |
| 19 | 1" Valve Assembly | 063-0159-447 |
| 20 | 1 1/2" Valve Assembly | 063-0159-448 |
| 21 | Console | 063-0159-203 |



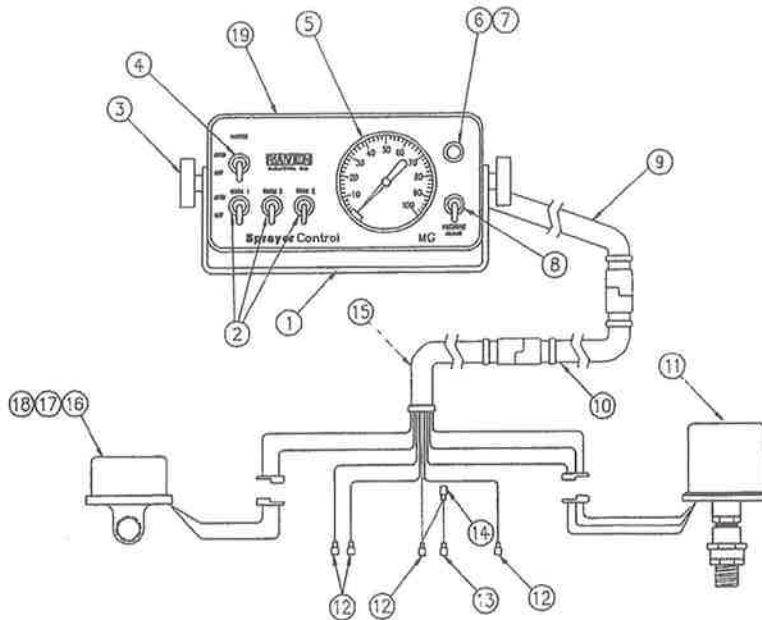
SCS303 MONITOR CONTROLLER CONSOLE



The Raven SCS303 monitors pressure with manual pressure control. Has one dry pressure gauge (pressure supplied via an electronic pressure transducer) and suits three boom sections.

SCS303 Console

0630159315



| ITEM | DESCRIPTION | RAVEN PART# |
|------|--|--------------|
| 1 | Mounting Bracket | 107-0159-007 |
| 2 | Boom Switch | 412-2011-038 |
| 3 | Mounting Knob | 309-1000-006 |
| 4 | Master Switch | 412-2011-037 |
| 5 | Pressure Gauge | 063-0159-306 |
| 6 | Fuse Holder | 510-2001-003 |
| 7 | Fuse, 15 Amp. | 510-1003-003 |
| 8 | Pressure Adjust Switch | 412-2011-039 |
| 9 | Cable Ass'y, Enclosure Hook-Up (8 ft.) | 115-0159-011 |
| 10 | 12 ft. Cable Ext. Assembly | 107-0159-043 |
| 11 | Pressure Transducer | 063-0159-316 |
| 12 | Insulated Female Terminal | 405-2001-018 |
| 13 | 16-14 AWG Female Terminal | 405-2001-009 |
| 14 | 12-14 AWG Female Terminal | 405-2001-008 |
| 15 | 6 ft. Cable Ass'y, Solenoid Hook-Up | 115-0159-008 |
| 16 | 3/4" Valve Assembly | 063-0159-001 |
| 17 | 1" Valve Assembly | 063-0159-447 |
| 18 | 1 1/2" Valve Assembly | 063-0159-448 |
| 19 | Console | 063-0159-315 |

PRESSURE TRANSDUCER

The pressure transducer converts the fluid pressure to an electronic signal which eliminates the possibility of chemical exposure to the operator.

Pressure Transducer

0630159316





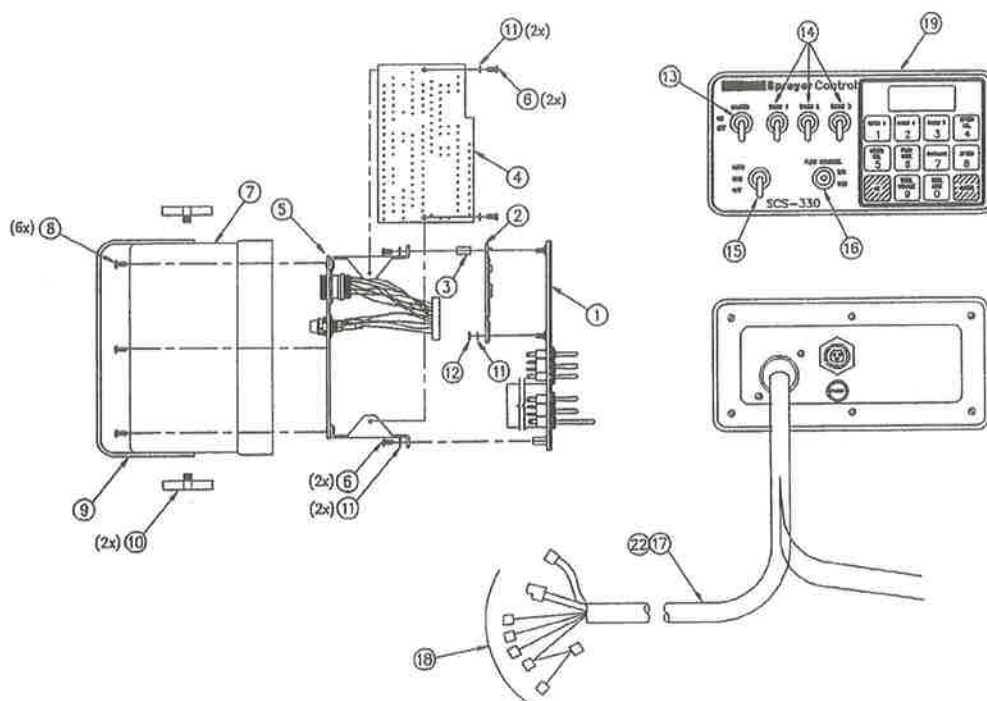
SCS330 AUTOMATIC MONITOR CONTROLLER CONSOLE



The Raven SCS330 automatic monitor controller automatically maintains rate (L/Ha) irrespective of speed changes. Has one display window, one automatic rate setting, manual rate control and suits three boom sections. Monitors rate, total applied volume and area and speed. Has non-volatile memory.

SCS330 Console

0630171115



| ITEM | DESCRIPTION | RAVEN PART# |
|------|--|--------------|
| 1 | Faceplate Assembly | 063-0171-116 |
| 2 | Display P.C. Assembly | 064-0159-535 |
| 3 | Spacer, Threaded | 305-2540-625 |
| 4 | Processor P.C. Assembly | 064-0159-534 |
| 5 | Connector Plate Assembly | 063-0171-118 |
| 6 | Screw, 6-32 UNC x 5/16 in. | 311-0004-008 |
| 7 | Enclosure, With Inserts | 063-0171-135 |
| 8 | Screw, 6-32 UNC | 321-0000-085 |
| 9 | Mounting Bracket | 107-0159-007 |
| 10 | Knob | 309-1000-006 |
| 11 | Washer, Lock Internal | 313-3000-007 |
| 12 | Hex Nut | 312-1001-014 |
| 13 | Master Switch | 412-2011-037 |
| 14 | Boom Switch | 412-2011-038 |
| 15 | Off/Man/Auto Switch | 412-2011-052 |
| 16 | Inc/Dec Switch | 412-2011-053 |
| 17 | 16 ft. Control Cable | 115-0159-437 |
| 18 | Kit, Cable Ass'y Terminals | 117-0159-578 |
| 19 | Console Only | 063-0171-115 |
| 20 | 10 ft. Console Cable (Optional) Not Shown | 115-0159-418 |
| 21 | 12 ft. Flow Control Cable (Optional) Not Shown | 115-0159-405 |
| 22 | 32 ft. Control Cable (Optional) | 115-0159-706 |



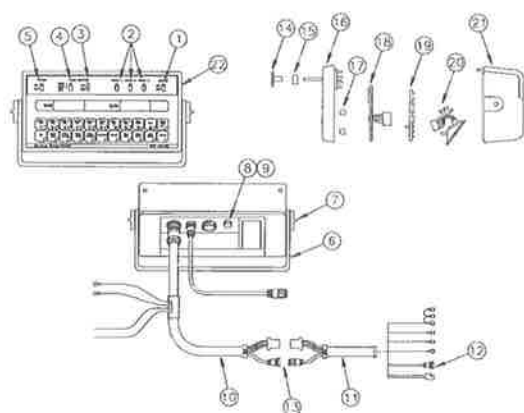
SCS440 AUTOMATIC MONITOR CONTROLLER CONSOLE



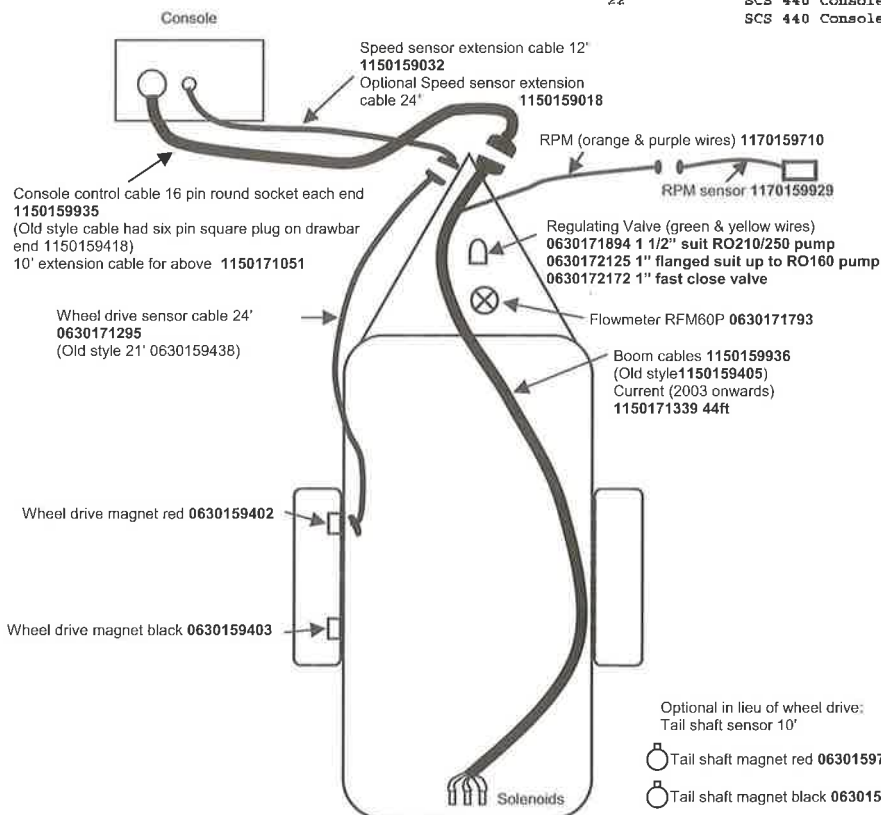
The Raven SCS440 automatic monitor controller automatically maintains rate (L/Ha) irrespective of speed changes. Alarm, two automatic rate settings, manual rate control and suits three boom sections. Monitors rate, total and subtotal applied volume and area, speed, volume in tank and time. Has non-volatile memory.

Console has printer output and two-way communication for uploading and downloading GPS information.

SCS440 Console 0630171942



| ITEM | DESCRIPTION | RAVEN PART # |
|------|---|--------------|
| 1 | Master Switch | 412-2011-046 |
| 2 | Boom Switch | 412-2011-047 |
| 3 | Adj. Switch | 412-2011-049 |
| 4 | Rate1/Rate2/Manual Switch | 412-2011-050 |
| 5 | Power Switch | 412-2011-048 |
| 6 | Mounting Bracket | 106-0159-437 |
| 7 | Mounting Knob | 106-0159-438 |
| 8 | Fuse Holder | 510-2001-018 |
| 9 | Fuse, 15 Amp. | 510-1003-003 |
| 10 | Console Control Cable (10 ft.) | 115-0159-935 |
| | Console Control Cable (Turf) | 115-0159-509 |
| 11 | Flow Control Cable (6 ft.) | 115-0159-404 |
| | Flow Control Cable (44 ft.) | 115-0159-936 |
| 12 | Flow Meter Cable Ext (6 ft.) | 115-0159-016 |
| | Flow Meter Cable Ext (12 ft.) | 115-0159-017 |
| 13 | Flow Ext. Cable (12 ft.) | 115-0159-409 |
| | Flow Ext. Cable (24 ft.) | 115-0159-414 |
| 14 | Switch Cover | 106-0159-433 |
| 15 | 1-Set Filler Spacers | 117-0159-421 |
| 16 | Face Plate Assembly | 063-0159-526 |
| 17 | Display Board Spacer | 107-0159-478 |
| 18 | LCD Display Board | 063-0171-961 |
| 19 | Processor Board | 064-0159-559 |
| | Processor Board (Serial Interface) | 064-0159-552 |
| 20 | Connector Plate Assembly | 063-0159-528 |
| | Connector Plate Assembly (Serial Interface) | 063-0171-185 |
| 21 | Back Assembly | 063-0159-530 |
| 22 | SCS 440 Console | 063-0159-531 |
| | SCS 440 Console (Serial Interface) | 063-0171-183 |



NOTE. When ordering console and/or flow cable, specify cable connection at drawbar. Old / New

NEW



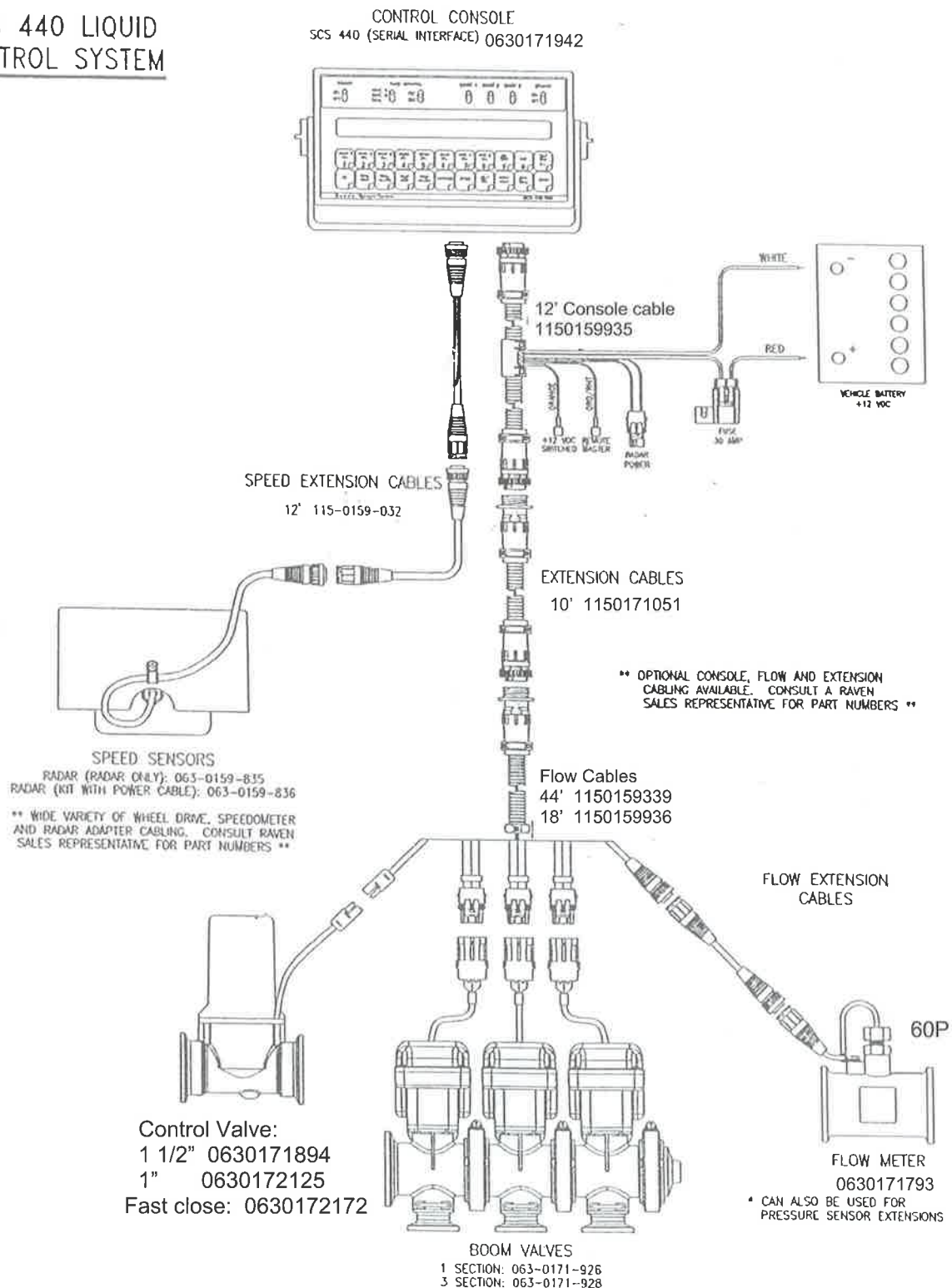
OLD





SCS440 AUTOMATIC MONITOR CONTROLLER CONSOLE

SCS 440 LIQUID CONTROL SYSTEM



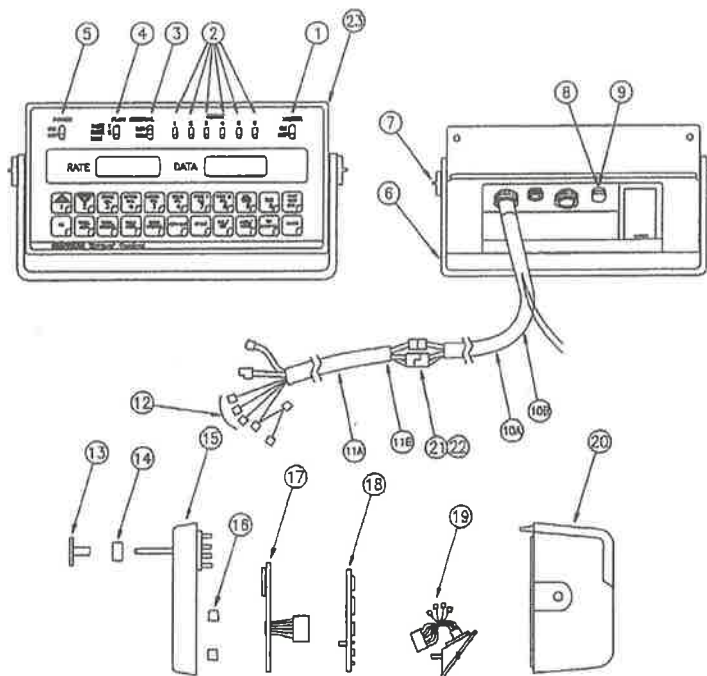


SCS450 AUTOMATIC MONITOR CONTROLLER CONSOLE

The Raven SCS450 automatic monitor controller automatically maintains rate (L/Ha) irrespective of speed changes. Alarm, two automatic rate settings, manual rate control and has provision for six boom section control. Monitors rate, total and subtotal applied volume and area, speed, volume in tank and time. Has non-volatile memory.

Console has printer output and two-way communication for uploading and downloading GPS information.

SCS450 Console 0630171791



| ITEM | DESCRIPTION | RAVEN PART# |
|------|-------------------------------|--------------|
| 1 | Master Switch | 412-2011-046 |
| 2 | Boom Switch | 412-2011-047 |
| 3 | Manual Adj. Switch | 412-2011-047 |
| 4 | Rate1/ Rate2/ Manual Switch | 019-0159-078 |
| 5 | Power Switch | 412-2011-048 |
| 6 | Mounting Bracket | 106-0159-437 |
| 7 | Mounting Knob | 106-0159-438 |
| 8 | Fuse Holder | 510-2001-018 |
| 9 | Fuse, 15 Amp. | 510-1003-003 |
| 10 | Console Control Cable(10 ft.) | 115-0159-935 |
| 11A | Flow Control Cable(6 ft.) | 115-0159-495 |
| | Flow Control Cable(44 ft.) | 115-0159-936 |
| 11B | Flow Meter Cable Ext.(6 ft.) | 115-0159-016 |
| | Flow Meter Cable Ext.(12 ft.) | 115-0159-017 |
| 12 | Assorted Terminal Kit | 117-0159-402 |
| 13 | Switch Cover | 106-0159-433 |
| 14 | 1-Set Filler Spacers | 117-0159-421 |
| 15 | Face Plate Assembly | 063-0159-526 |
| 16 | Display Board Spacer | 107-0159-478 |
| 17 | LCD Display Board | 064-0159-428 |
| 18 | Processor Board | 064-0159-485 |
| 19 | Connector Plate Assembly | 063-0159-948 |
| 20 | Back Assembly | 063-0159-530 |
| 21 | Flow Ext. Cable(12 ft.) | 115-0159-493 |
| 22 | Flow Ext. Cable(24 ft.) | 115-0159-494 |
| 23 | Console Only | 063-0159-747 |

RAVEN SIMULATORS to suit SCS330 and SCS440 are also available **RAVEN SIMULATOR 0630171072**



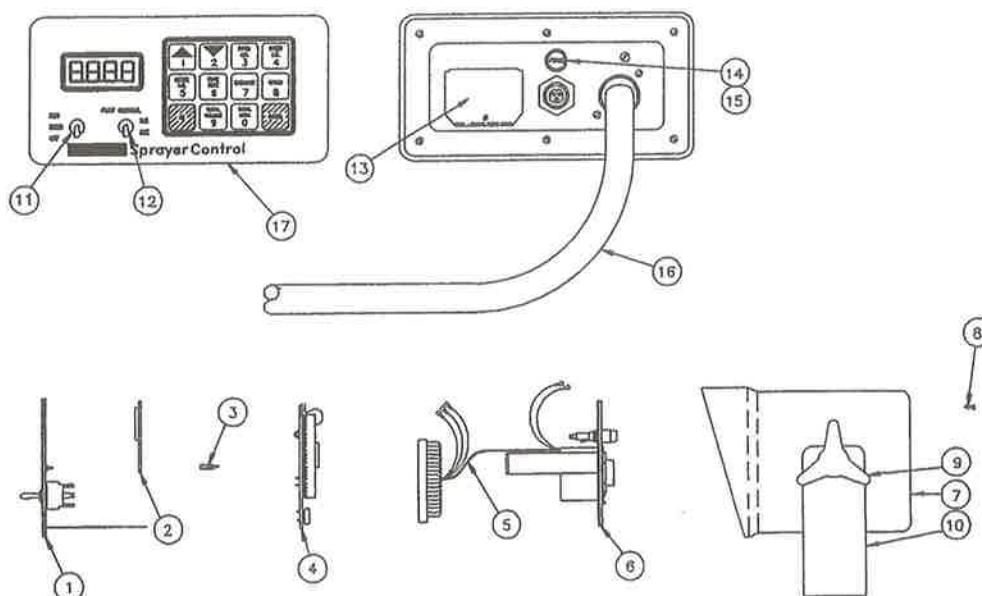
SCS550 MONITOR CONTROLLER CONSOLE



The Raven SCS550 Monitor monitors rate (L/Ha) with manual rate control. Has one display window. Monitors rate, total applied volume and area and speed and can suit up to six boom sections.

SCS550

0630159942



| ITEM | DESCRIPTION | RAVEN PART# |
|------|--------------------------|--------------|
| 1 | Face Plate Assembly | 063-0159-941 |
| 2 | Display P.C. Assembly | 064-0159-435 |
| 3 | Spacer, Aluminum | 305-2540-625 |
| 4 | Processor P.C. Assembly | 064-0159-511 |
| 5 | Internal Cable Harness | 115-0159-582 |
| 6 | Connector Plate Assembly | 063-0159-943 |
| 7 | Console Enclosure | 063-0159-542 |
| 8 | 6-32 UNC Screws | 321-0000-085 |
| 9 | Mounting Knob | 309-1000-006 |
| 10 | Mounting Bracket | 107-0159-007 |
| 11 | Switch & Ring Nut | 412-2011-052 |
| 12 | Switch & Ring Nut | 412-2011-053 |
| 13 | Battery Box Cover | 063-0159-451 |
| 14 | Fuse, 15 Amp. | 510-1003-003 |
| 15 | Fuse Holder | 510-2001-018 |
| 16 | Console Control Cable | 115-0159-581 |
| 17 | Console Only | 063-0159-942 |

RAVEN SIMULATORS to suit SCS330, SCS440 and SCS550 are also available.

RAVEN SIMULATOR 0630171072



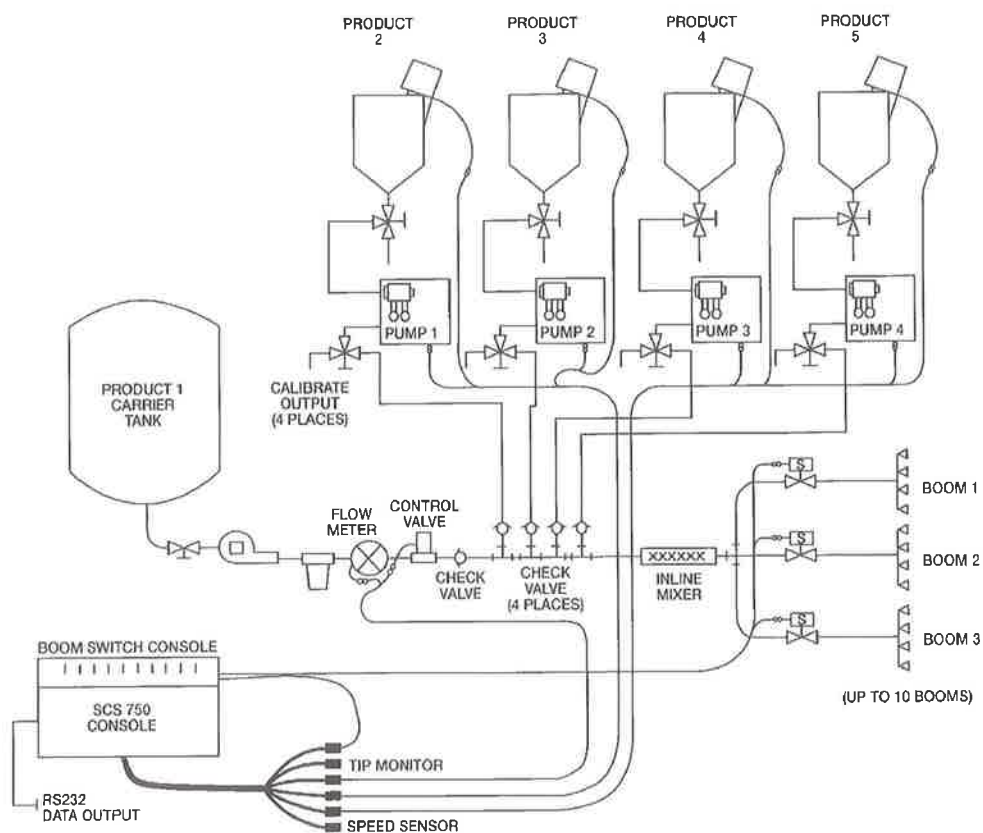
SCS750 DIRECT CHEMICAL INJECTION CONSOLE



The Raven SCS750 direct chemical injection controller can independently regulate five chemicals automatically, or up to four chemicals and a carrier at the same time. The chemical is injected into the pressure line close to the boom solenoids and is mixed via a mixer. Thus the sprayer tank contains only water and there is no need to meter any specific chemical volume. Has non-volatile memory, printer output and two-way communication for uploading and downloading GPS information.

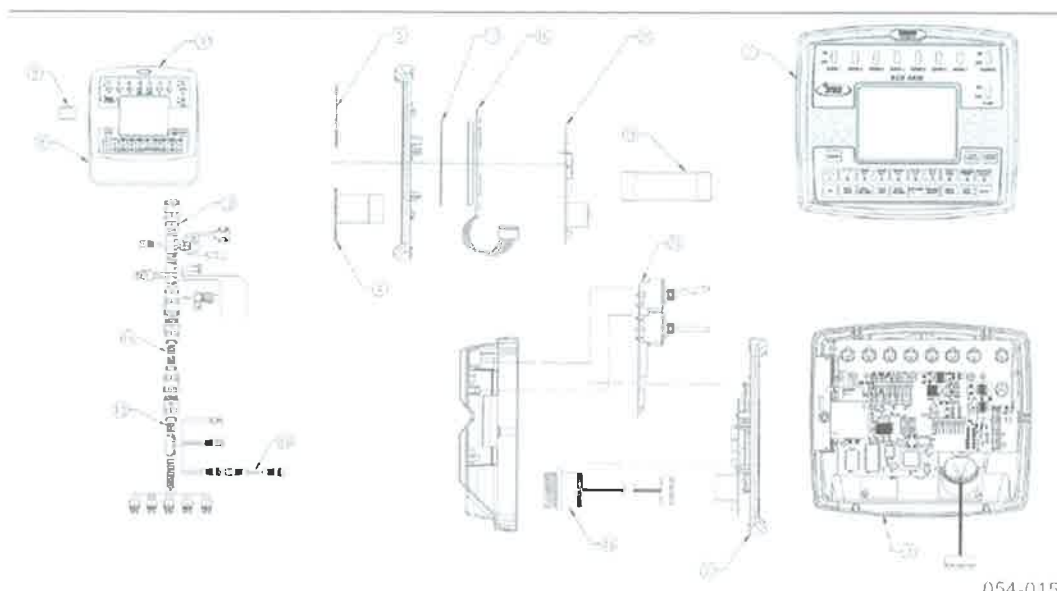
SCS750 Console

0630159903





RAVEN SCS 4400 CONSOLE



SCS 4400 CONSOLE REPLACEMENT PARTS

| ITEM | DESCRIPTION | RAVEN PART# |
|------|--------------------------------------|--------------|
| 1 | Console, SCS 4400 | 063-0172-281 |
| 2 | Cover Assembly, SCS 4400 | 063-0172-282 |
| 3 | Back Assembly, SCS 4400 | 063-0172-283 |
| 4 | Keypad | 063-0172-325 |
| 5 | Switch Overlay, SCS 4400 | 040-0159-583 |
| 6 | Kit, Mounting Bracket (Not Shown) | 117-0159-933 |
| 7 | Mount Knob Clamp (Not Shown) | 309-1000-021 |
| 8 | Steel Tube Mounting Bracket | 107-0171-415 |
| 9 | Compact Flash, 64 MB, Sandisk | 524-0002-046 |
| 10 | Fuse, 15 Amp (Not Shown) | 510-1003-025 |
| 11 | Fuse, 30 Amp (Not Shown) | 510-1003-028 |
| 12 | Cable, Console, SCS 4400, 3' | 115-0171-299 |
| | Cable, Console, SCS 4400, 15' | 115-0171-300 |
| 13 | Cable, Product, 10 BM Liquid, 12' | 115-0171-313 |
| | Cable, Product, 10 BM Liquid, 24' | 115-0171-314 |
| | Cable, Product, 5 BM Liquid, 12' | 115-0171-315 |
| | Cable, Product, 5 BM Liquid, 24' | 115-1071-316 |
| | Cable, Product, Granular, 21' | 115-0171-365 |
| 14 | Cable, 12' Extension, SCS 4400 | 115-0171-319 |
| | Cable, 24' Extension, SCS 4400 | 115-0171-320 |
| | Cable, 5' Extension, SCS 4400 | 115-0171-418 |
| 15 | Cable, Flow Meter Extension, 6' | 115-0159-016 |
| | Cable, Flow Meter Extension, 12' | 115-0159-017 |
| 16 | LCD Display Assembly | 063-0172-318 |
| 17 | LCD Display Lens | 107-0171-456 |
| 18 | Internal Harness, SCS 4400 | 114-0159-571 |
| 19 | Ribbon Cable, 34 pin | 408-1001-052 |
| 20 | Processor PC Board Assy | 064-0159-801 |
| 21 | Power/ Switch PC Board Assy | 064-0159-777 |
| 22 | 1-Set Filler Spacers (7) (Not Shown) | 117-0159-421 |

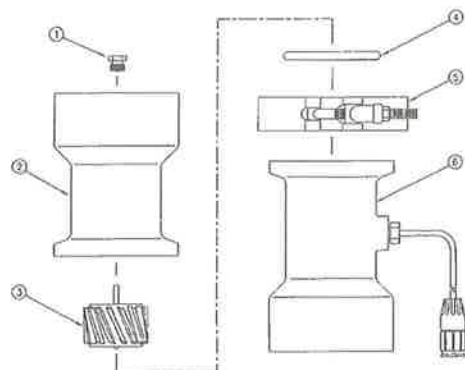
054-0156



RAVEN FLOWMETERS

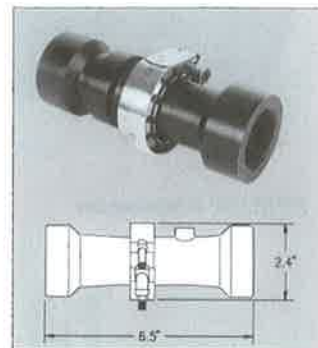
The Raven Flowmeters provide an economical method of accurately measuring a wide range of liquids at various flow rates. An electronic transducer located inside the flowmeter monitors turbine rotation. These digital signals are then interfaced to electronic consoles to give a volume readout. They are designed for compatibility with most chemicals and liquids.

RFM15 FLOWMETER



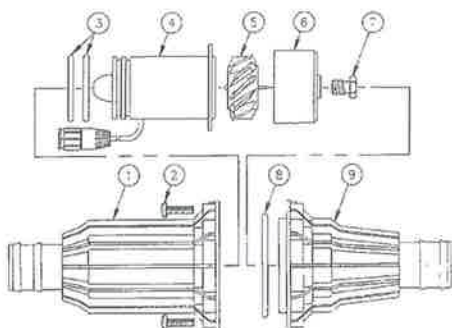
The Raven RFM15 Flowmeter has polypropylene housing and 1 1/4" female ports. It is rated at 1000 kPa (150 psi) and the flow range is 1 l/min to 56 l/min.

RFM15 Flowmeter 0630171121



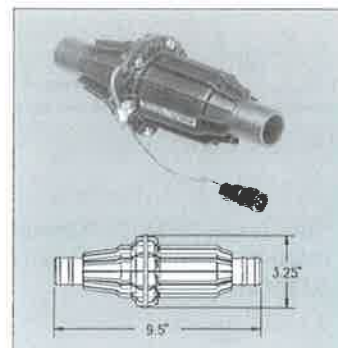
| ITEM | DESCRIPTION | RAVEN PART# |
|------|-----------------------------|--------------|
| 1 | Turbine Stud | 063-0159-570 |
| 2 | Hub Housing Assembly | 063-0171-122 |
| 3 | RFM15 Turbine | 019-0159-164 |
| 4 | O-ring, Viton | 219-0002-028 |
| 5 | Retainer Clamp | 435-3003-033 |
| 6 | Transducer Housing Assembly | 063-0171-123 |

RFM55 FLOWMETER



The Raven RFM55 Flowmeter has polypropylene housing and 1 1/4" hose barb inlet and outlet. It is rated at 1200 kPa (175 psi) and the flow range is 3 l/min to 208 l/min.

RFM55 Flowmeter 0630159571
(Flowmeter no longer used, refer RFM60P, page 27)



| ITEM | DESCRIPTION | RAVEN PART# |
|------|---|--------------|
| 1 | Sensor Housing | 019-0159-085 |
| 2 | #10-32 x 3/4" S.S. Screw | 311-0007-037 |
| 3 | O-Ring, Viton | 219-0002-030 |
| 4 | RFM55 Dual O-Ring XDCR Ass'y | 063-0159-749 |
| 5 | RFM55 Turbine | 117-0159-020 |
| 6 | Turbine Hub/Bearing Ass'y | 063-0359-563 |
| 7 | Turbine Stud Assembly | 063-0159-570 |
| 8 | O-ring, Viton | 219-0000-042 |
| 9 | Hub Housing W/Inserts | 063-0159-776 |
| 10 | Mounting Bracket, RFM 55 (Not Shown) | 107-0159-507 |
| ** | Dual O-Ring Transducer Kit (Includes Items #3 & 4) | 117-0159-569 |



RFM60P FLOWMETER

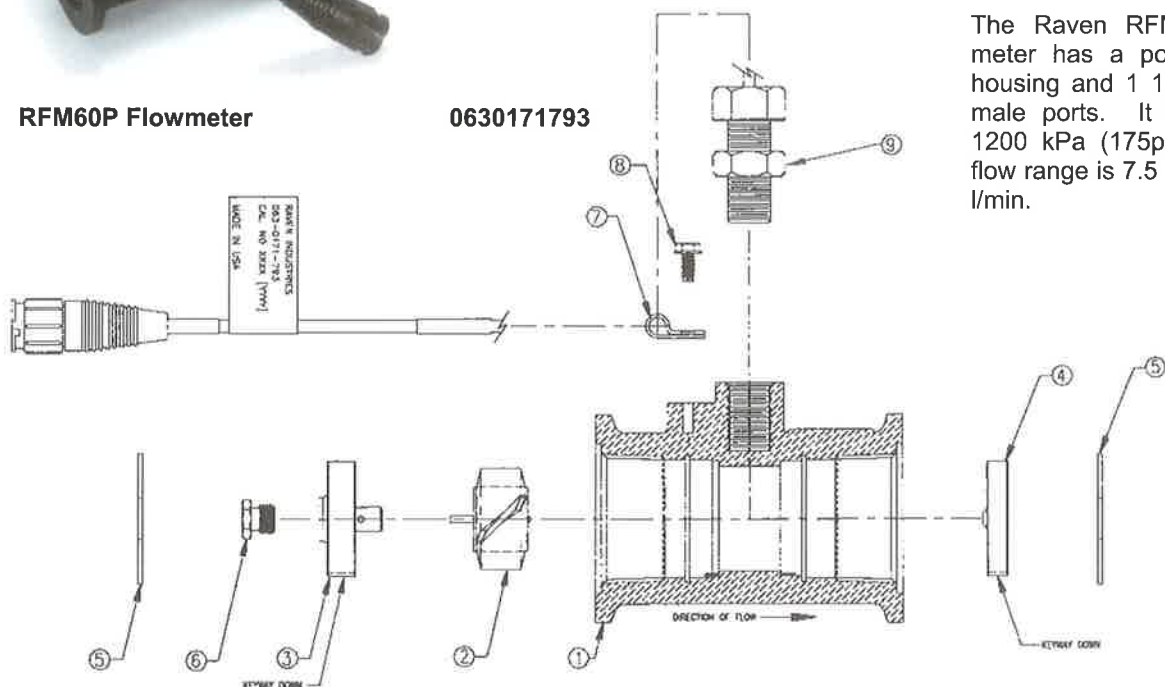


RFM60P Flowmeter

0630171793

| ITEM | DESCRIPTION | RAVEN PART # |
|------|----------------------------|--------------|
| 1 | Body, RFM 60 P Flowmeter | 106-0159-514 |
| 2 | Rotor/Magnet Assembly | 063-0171-673 |
| 3 | Hub/Bearing Assy, Upstream | 063-0171-674 |
| 4 | Hub assembly, Downstream | 063-0171-769 |
| 5 | Ring, Retaining, Internal | 335-0000-278 |
| 6 | Stud Bearing | 063-0159-570 |
| 7 | Clamp, Cable | 435-3002-017 |
| 8 | Screw, Thread Forming | 310-0002-137 |
| 9 | Sensor, assembly, External | 063-0171-669 |

The Raven RFM60P flowmeter has a polypropylene housing and 1 1/2" NPT female ports. It is rated at 1200 kPa (175psi) and the flow range is 7.5 l/min to 227 l/min.



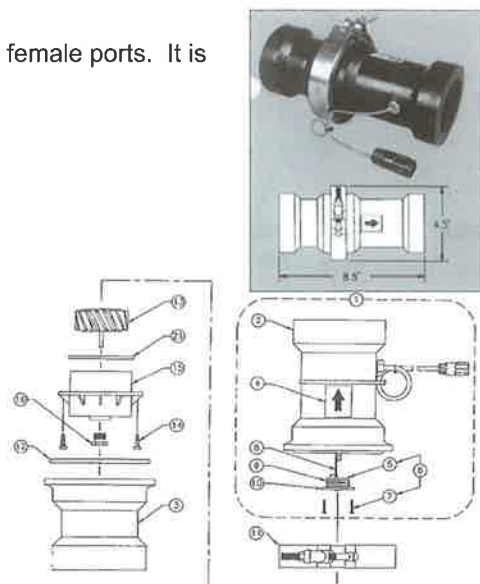
RFM100 FLOWMETER

The Raven RFM100 Flowmeter has polypropylene housing and 2" NPT female ports. It is rated at 1030 kPa (150 psi) and the flow range is 11 l/min to 378 l/min.

RFM100 Flowmeter

0630171066

| ITEM | DESCRIPTION | RAVEN PART# |
|------|---------------------------------------|--------------|
| 1 | Outlet Housing Assembly | 063-0171-068 |
| 2 | Outlet Housing | 107-0171-006 |
| 3 | Hub Housing, Inlet | 107-0171-005 |
| 4 | Label, Yellow W/black Arrow | 039-0159-023 |
| 5 | End Bearing/P.C. Assembly | 063-0171-069 |
| 6 | End Bearing/P.C. Assembly Kit | 117-0159-567 |
| 7 | 2-56 x 1/2" Flat Hd. S.S. Screw | 311-0013-390 |
| 8 | P.C. Assembly | 064-0159-913 |
| 9 | O-Ring, Viton | 219-0000-018 |
| 10 | End Bearing Assembly | 063-0171-067 |
| 11 | Retainer Clamp | 435-3003-032 |
| 12 | O-Ring, Viton | 219-0000-238 |
| 13 | RFM 100 Turbine | 321-0000-221 |
| 14 | 6-20 x 1/2" Pan Hd. S.S. Screw | 310-0002-133 |
| 15 | Turbine Hub/Bearing Assembly | 321-0000-222 |
| 16 | Turbine Stud Assembly | 063-0171-082 |
| 17 | Thread Sealer (Not Shown) | 222-1001-016 |
| 18 | Mounting Bracket, RFM 100 (Not Shown) | 107-0159-509 |
| 19 | Hose Clamp (Not Shown) | 435-3003-009 |
| 20 | Cable Kit (Not Shown) | 117-0159-441 |
| 21 | O-Ring, Viton | 219-0002-140 |



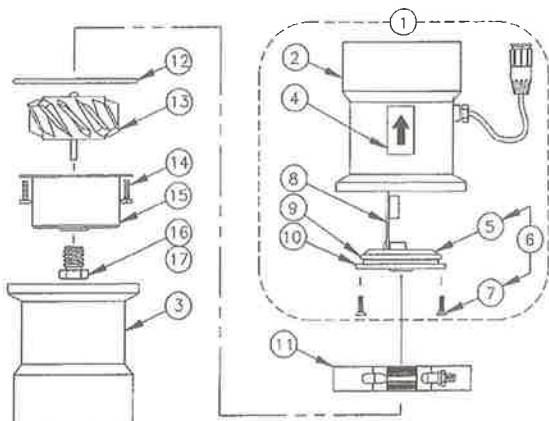


RFM200

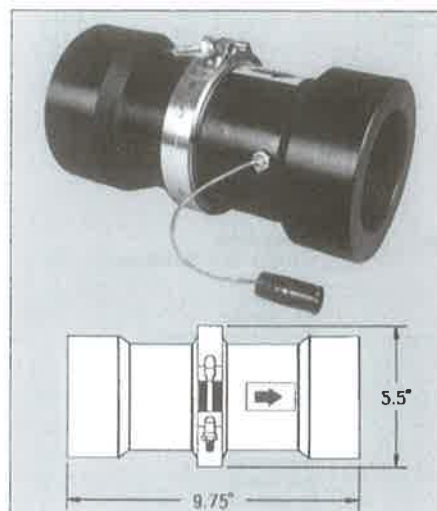
The Raven RFM200 Flowmeter has polypropylene housing and 3" female ports. It is rated at 620 kPa (90 psi) and the flow range is 56 l/min to 757 l/min.

RFM200

0630159751



| ITEM | DESCRIPTION | RAVEN PART# |
|------|---------------------------------------|--------------|
| 1 | Sensor Housing Assembly | 063-0159-750 |
| 2 | Sensor Housing | 107-0159-617 |
| 3 | Hub Housing | 107-0159-618 |
| 4 | Label, Yellow W/black Arrow | 039-0159-023 |
| 5 | End Bearing/P.C. Assembly | 063-0159-646 |
| 6 | End Bearing/P.C. Assembly Kit | 117-0159-428 |
| 7 | 2-56 x 1/2" Flat Hd. Screw | 311-0013-390 |
| 8 | P.C. Assembly | 064-0159-447 |
| 9 | O-Ring, Viton | 219-0000-040 |
| 10 | End Bearing Assembly | 063-0159-591 |
| 11 | Retainer Clamp | 435-3003-031 |
| 12 | O-Ring, Viton | 219-0000-052 |
| 13 | RFM 200 Turbine | 117-0159-017 |
| 14 | 4-20 x 1/2" Pan Hd. Screw | 311-0008-027 |
| 15 | Turbine Hub/Bearing Assembly | 063-0159-564 |
| 16 | Turbine Stud Assembly w/bearing | 063-0159-575 |
| 17 | Thread Sealer (Not Shown) | 222-1001-016 |
| 18 | Mounting Bracket, RFM 200 (Not Shown) | 107-0159-509 |
| 19 | Hose Clamp (Not Shown) | 435-3003-009 |
| 20 | Cable Kit (Not Shown) | 117-0159-441 |

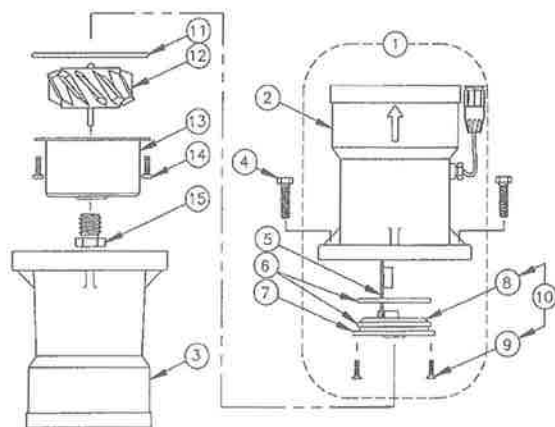


RFM200A

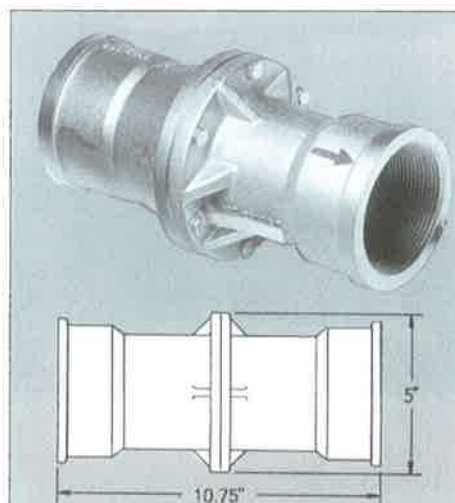
The Raven RFM200A Flowmeter has cast iron housing and 3" female ports. It is rated at 2068 kPa (300 psi) and the flow range is 56 l/min to 757 l/min.

RFM200A Flowmeter

0630159574

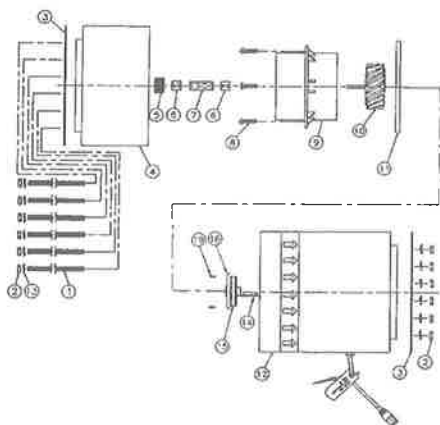


| ITEM | DESCRIPTION | RAVEN PART# |
|------|---------------------------------------|--------------|
| 1 | Sensor Housing Assembly | 063-0159-573 |
| 2 | Sensor Housing | 105-0159-004 |
| 3 | Hub Housing | 105-0159-003 |
| 4 | 1/4-20 x 1 Bolt | 311-0050-230 |
| 5 | P.C. Assembly | 064-0159-447 |
| 6 | O-ring, Viton | 219-0000-040 |
| 7 | End Bearing Assembly | 063-0159-591 |
| 8 | End Bearing/P.C. Assembly | 063-0159-646 |
| 9 | 2-56 x 5/16" Stainless Steel Screw | 311-0011-030 |
| 10 | End Bearing/P.C. Assembly Kit | 117-0159-428 |
| 11 | O-ring, Viton | 219-0000-052 |
| 12 | O-ring, Butyl | 219-0000-051 |
| 13 | RFM 200 Turbine | 117-0159-017 |
| 15 | Turbine Hub/Bearing Assembly | 063-0159-564 |
| 16 | Stud W/Bearing | 063-0159-575 |
| 17 | Cable Kit (Not Shown) | 117-0159-441 |
| 18 | Thread Sealer (Not Shown) | 222-1001-016 |
| 19 | Mounting Bracket, RFM 200 (Not Shown) | 107-0159-509 |
| | Hose Clamp (Not Shown) | 435-3003-009 |





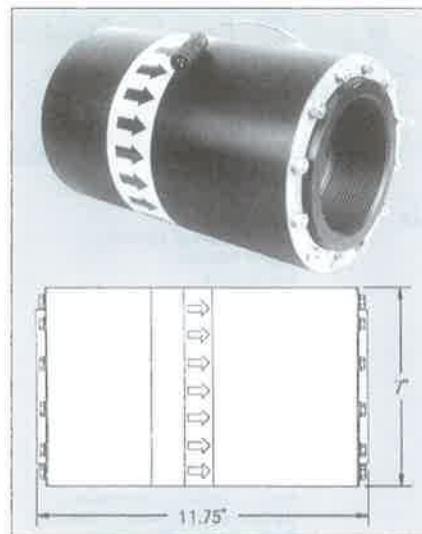
RFM400 FLOWMETER



The RFM400 Flowmeter has polypropylene housing and 4" female ports. It is rated at 620 kPa (90 psi) and the flow range is 94 l/min to 1514 l/min.

RFM400 Flowmeter

0630159966



| ITEM | DESCRIPTION |
|------|--------------------------------------|
| 1 | 1/4-20 x 11.6 Thread Rod |
| 2 | 1/4-20 Nut |
| 3 | Head Ring |
| 4 | Hub Housing |
| 5 | Stud/Bearing Assembly |
| 6 | Bushing |
| 7 | Spacer |
| 8 | 10-32 x 5/16 Pan Hd Screw |
| 9 | Inlet Hub |
| 10 | Rotor |
| 11 | Viton O-Ring |
| 12 | Sensor Housing |
| 13 | Lock Washer |
| 14 | PC Assembly |
| 15 | O-Ring, Viton |
| 16 | End Bearing Assembly |
| 17 | End Bearing/PC Ass'y Kit (Not Shown) |
| 18 | Cable Kit (Not Shown) |
| 19 | Flat Head S.S. Screw (Not Shown) |

| RAVEN PART# |
|--------------|
| 019-0159-127 |
| 312-1001-033 |
| 107-0159-968 |
| 107-0159-966 |
| 063-0159-975 |
| 325-0000-013 |
| 107-0159-863 |
| 311-0002-043 |
| 321-0000-281 |
| 321-0000-280 |
| 219-0002-355 |
| 107-0159-967 |
| 313-1000-017 |
| 064-0159-447 |
| 219-0000-040 |
| 063-0159-591 |
| 117-0159-428 |
| 117-0159-441 |
| 311-0013-390 |

FLOW MAX 110 CONSOLE



The Flow Max 110 console provides for accurate tank filling. The console is moisture resistant and designed to be mounted on the sprayer.

Features include:

- Total and batch volumes.
- Litres/minute.

Can be used with any of the Raven flowmeters (size of flowmeter determined by filling capacity).

Flow Max 110 Console 0630171357

As Used on 05 prairie Advance.



RAVEN FLOWMAX 220 FILL FLOW METER

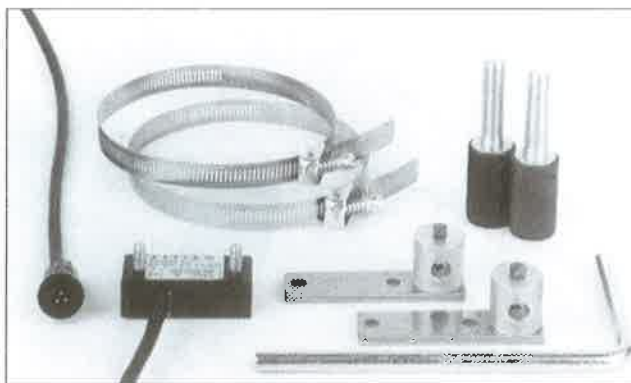
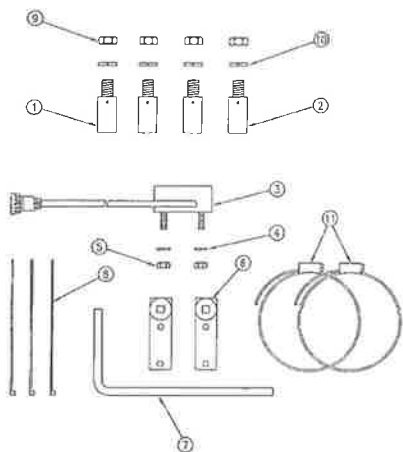


- Self contained digital display indicated flow rate and totals.
- Records three separate total volumes.
- Mounts in line on sprayer, nurse truck or chemical fill tank.
- Replaceable 3.6 volt long-life battery.
- 6 digit easy to read display.
- Flanged 2" plumbing.
- Self contained—no other consoles or flowmeters needed.

Raven Flow Max 220 fill flowmeter 0630172123



WHEEL DRIVE SPEED SENSOR



| ITEM | DESCRIPTION |
|------|---|
| 1 | Red Magnet Ass'y, North |
| 2 | Black Magnet Ass'y, South |
| 3 | Sensor Ass'y (23 ft.) Standard |
| | Sensor Ass'y (10 ft.) Turf |
| | Sensor Ass'y (7 1/2 ft.) |
| 4 | 1/4" Lock Washer |
| 5 | 1/4-20 Hex Nut |
| 6 | Turret Assembly |
| 7 | Speed Sensor Rod |
| 8 | Cable Ties |
| 9 | 1/2-13 Hex Nut |
| 10 | 1/2" Lock Washer |
| 11 | Band Clamp |
| 12 | 24 ft. Speed Sensor Ext. Cable (Optional) |
| 13 | 12 ft. Speed Sensor Ext. Cable (Optional) |

RAVEN PART#

| |
|--------------|
| 063-0159-402 |
| 063-0159-403 |
| 063-0171-295 |
| 063-0159-770 |
| 063-0171-149 |
| 313-1000-016 |
| 312-1001-031 |
| 063-0159-483 |
| 107-0159-472 |
| 435-1000-003 |
| 312-1001-043 |
| 313-1000-028 |
| 435-3003-009 |
| 115-0159-018 |
| 115-0159-032 |

The Raven Wheel Drive Speed Sensor has an electronic sensor which receives signals from the magnets located equidistant on the wheel. After calibration this serves to monitor speed, distance and area which is displayed on the console.

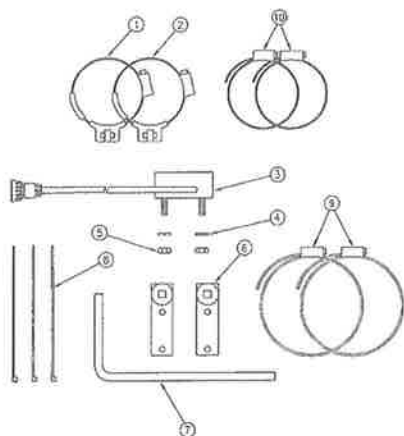
Wheel Drive Speed Sensor
0630172006

DRIVE SHAFT SPEED SENSOR REPLACEMENT PARTS

The Raven Drive Shaft Speed Sensor has an electronic sensor which receives signals from the magnets located equidistant on the drive shaft. After calibration this serves to monitor speed, distance and area which is displayed on the console.

Drive Shaft Speed Sensor

0630159730



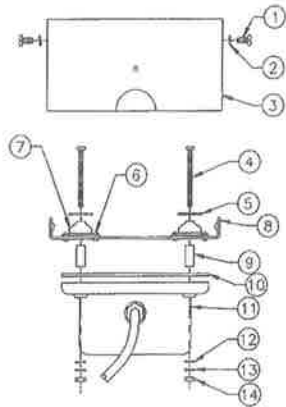
| ITEM | DESCRIPTION | RAVEN PART# |
|------|---|--------------|
| 1 | Red Magnet Ass'y, North | 063-0159-752 |
| 2 | Black Magnet Ass'y, South | 063-0159-753 |
| 3 | Sensor Assembly | 063-0159-770 |
| 4 | 1/4" Lock Washer | 313-1000-016 |
| 5 | 1/4-20 Hex Nut | 312-1001-031 |
| 6 | Turret Assembly | 063-0159-483 |
| 7 | Speed Sensor Rod | 107-0159-483 |
| 8 | Cable Ties | 435-1000-003 |
| 9 | Band Clamp | 435-3003-009 |
| 10 | Small Band Clamp | 435-3000-002 |
| 12 | 24 ft. Speed Sensor Ext. Cable (Optional) | 115-0159-018 |
| 13 | 12 ft. Speed Sensor Ext. Cable (Optional) | 115-0159-032 |



Shaft speed sensor, fitted to hydraulic drive pumps, Director fans, etc., used in conjunction with SCS 440 and 450 consoles
Complete sensor assembly 1170159710
Sensor 1170159929



RADAR SPEED SENSOR



The Raven Radar Speed Sensor is configured with a state-of-the-art array antenna. The summation of two signals, one forward and one back, gives an accurate and defined vehicle speed.

Radar Speed Sensor

0630159836



| ITEM | DESCRIPTION | RAVEN PART# |
|------|--------------------------------------|--------------|
| 1 | 10-32 x 3/8" UNF-2B Screw | 311-0002-040 |
| 2 | #10 Lock Washer | 313-1000-014 |
| 3 | Radar Mounting Box | 107-0159-695 |
| 4 | 8-32 x 2" UNC-2A Screw | 311-0001-030 |
| 5 | Flat Washer | 313-2300-117 |
| 6 | 4-40 x 1/4" Screw | 311-4000-001 |
| 7 | Vibration Insulator Bell | 219-0000-065 |
| 8 | Hanger Bracket | 107-0159-696 |
| 9 | Spacer Aluminum | 327-1550-750 |
| 10 | Ballast | 107-0159-697 |
| 11 | Radar Gun Sub Assembly | 063-0159-834 |
| 12 | Flat Washer | 313-2300-007 |
| 13 | #8 Ext. Lock Washer | 313-4000-007 |
| 14 | 8-32 UNC-2A Hex Nut | 312-1001-020 |
| 15 | 1/4" ID Cable Clamp (Not Shown) | 435-3002-023 |
| 16 | 8-32 x 7/16 UNC-2B Screw (Not Shown) | 311-0001-011 |
| 17 | 12' Ext. Cable (Not Shown) | 115-0159-032 |
| 18 | 24' Ext. Cable (Not Shown) | 115-0159-018 |
| 19 | 12' Power Cable (Not Shown) | 115-0159-539 |

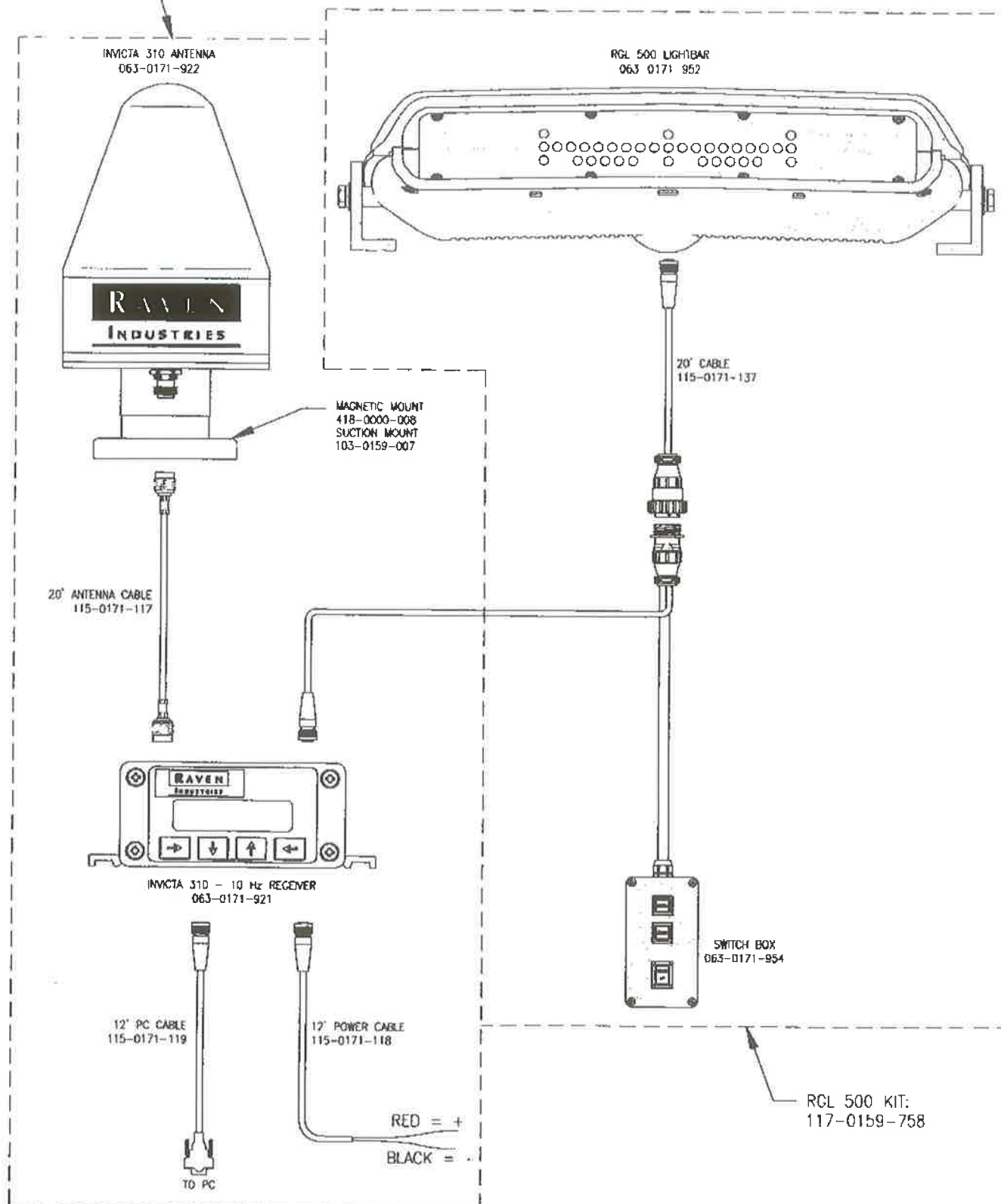
RADAR INTERFACE CABLES

| Radar Type | Vehicle Type | Radar Interface Cable |
|-------------|----------------------------|-------------------------|
| Dickey John | John Deere | 1150159519 |
| | John Deere 7000 Series | 1150159700 |
| | Case-IH | 1150159517 |
| | Cat Challenger (65 & 75) | 1150159518 |
| | Cat Challenger (65C & 75C) | 1150159627 |
| | Ford / White | 1150159529 |
| | Other | 1150159526 |
| Magnavox | John Deere | 1150159519 |
| | Other | 1150159522 & 1150159436 |
| TRW | Case-IH | 1150159432 |
| | Other | 1150159522 & 1150159432 |



RAVEN RGL500 LIGHTBAR & 310 RECEIVER

INVICTA 310 KIT:
117-0159-744

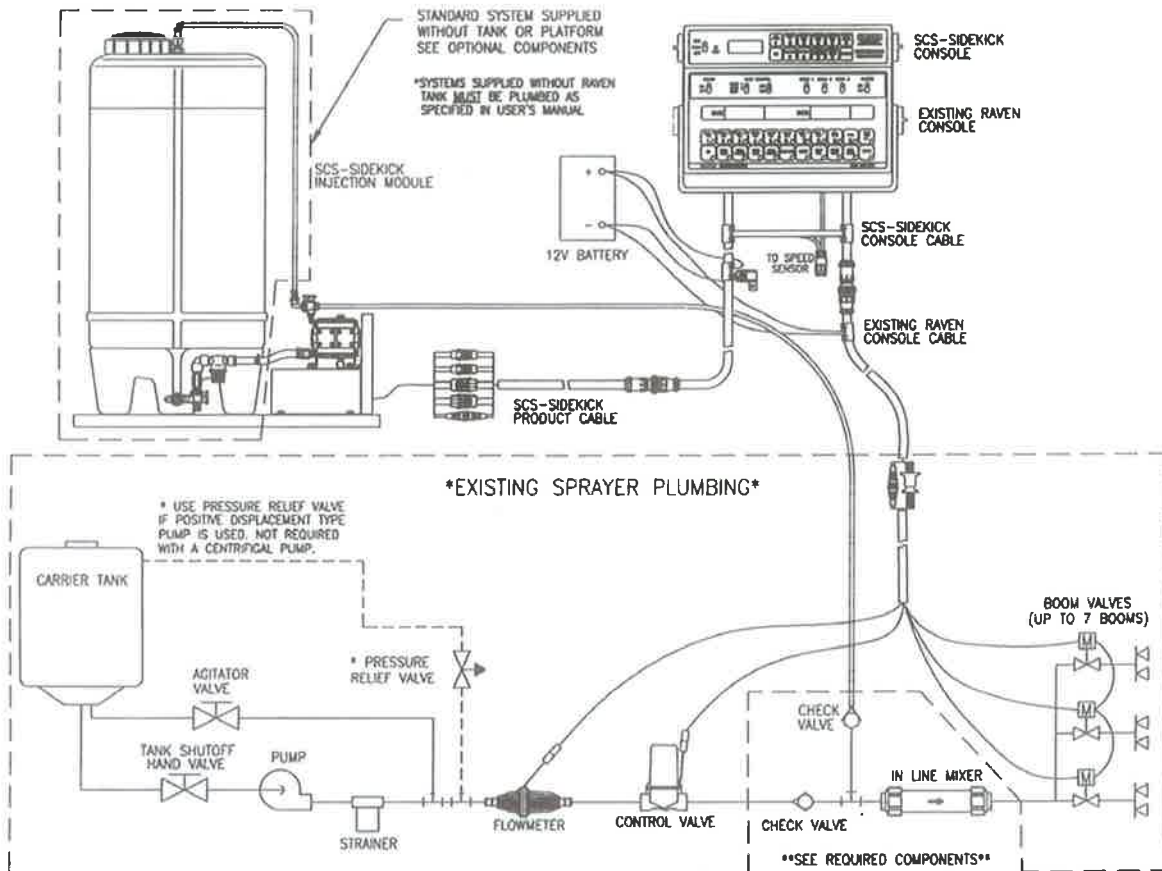




RAVEN SCS-SIDEKICK PLUMBING DIAGRAM

The Raven SCS-Sidekick provides for direct chemical injection into the spray line. The system utilises existing Raven componentary found on a conventional sprayer, with the addition of a product tank, sidekick metering module and additional control console.

The Sidekick is available to be retrofitted to an existing GoldAcres sprayer, utilizing an SCS440/450 system.



Schematic layout of SCS-Sidekick fitted to an existing GoldAcres sprayer using SCS 440/450 controller.

Raven Sidekick

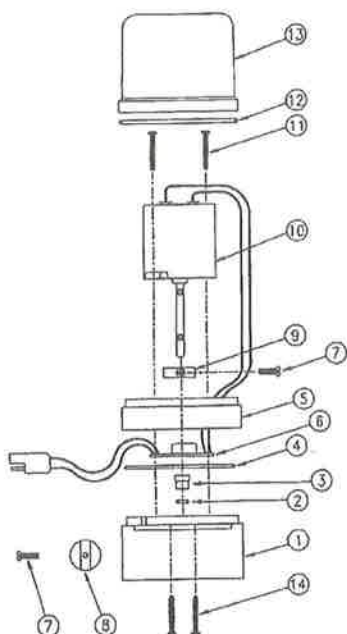


Additional Sidekick console

| PART NUMBER | DESCRIPTION |
|--------------|-------------------------------------|
| 063-0171-955 | High volume without tank |
| 063-0171-956 | Low volume without tank |
| 063-0171-957 | High volume with 90 litre tank |
| 063-0171-958 | Low volume with 90 litre tank |
| 063-0171-964 | Console, SCS-Sidekick |
| 115-0171-130 | Console cable 15' |
| 115-0171-138 | Product cable 27' |
| 117-0159-760 | Plumbing kit |
| 117-0159-761 | Kit, high volume with 90 litre tank |
| 117-0159-762 | Kit, low volume with 90 litre tank |
| 117-0159-763 | Kit, high volume without tank |
| 117-0159-764 | Kit, low volume without tank |



3/4" POLY CONTROL VALVE



The Raven 3/4" Poly Control Valves are used to control flow to either the boom sections or the bypass to the tank via the orientation of the butterfly. The valve is rated at 1200 kPa (175 psi).

3/4" Poly Control Valve 0630171120

(Black spacer ring)

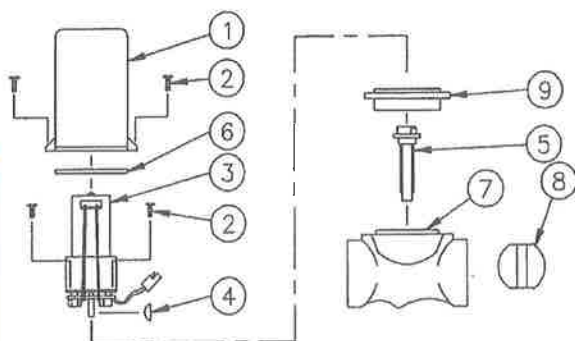
3/4" Poly Control Valve (360) 0630159001

Note: It is usually cheaper to replace the complete valve than some of the parts.



| ITEM | DESCRIPTION | RAVEN PART# |
|------|----------------------------------|--------------|
| 1 | Body, 3/4" Valve | 019-0159-130 |
| 2 | O-Ring, Viton | 219-0000-002 |
| 3 | Sleeve, O-Ring Retainer | 106-0159-478 |
| 4 | O-Ring, Viton | 219-0002-038 |
| 5 | Spacer, 3/4" Valve | 106-0159-477 |
| 6 | P.C. Board Assembly | 064-0159-533 |
| 7 | #4-40 UNC x 3/8 S.S. Mach. Screw | 311-0008-028 |
| 8 | Butterfly, Valve | 107-0159-031 |
| 9 | Cam, Switch | 106-0159-476 |
| 10 | Motor, Gear Reduction, Valve | 416-0000-019 |
| 11 | #4-24 x 1" Thrd. Forming Screw | 310-0002-096 |
| 12 | Gasket, Cover | 219-0000-020 |
| 13 | Cover, 3/4" Valve | 107-0159-030 |
| 14 | #6-20 x 1" S.S. Screw | 310-0002-145 |

1" AND 1 1/2" POLY CONTROL VALVE



The Raven 1" and 1 1/2" Poly Control Valves are used to control flow to either the boom sections or the bypass to the tank via the orientation of the butterfly. The valve is rated at 1200 kPa (175 psi).

1" Poly Control Valve

1" Poly Control Valve (360°)

1 1/2" Poly Control Valve

1 1/2" Poly Control Valve (360°)

1" Flanged poly control valve (black)

0630159445 Old style

0630159447

0630171894

0630159448 Old style

0630172125

| ITEM | DESCRIPTION | RAVEN PART# |
|------|---|--------------|
| 1 | Valve Cover | 106-0159-407 |
| 2 | #6-32 x 3/4" Lg. Screw | 321-0000-256 |
| 3 | Motor Assembly | 063-0159-409 |
| 4 | Woodruff Key | 321-0000-062 |
| 5 | Coupler Shaft (1" Valve) | 019-0159-016 |
| 6 | Coupler Shaft (1 1/2" Valve) | 019-0159-015 |
| 7 | Seal Tetraseal | 219-0000-020 |
| 8 | Valve Body Mod. (1" Valve) | 019-0159-005 |
| 9 | Valve Body Mod. (1 1/2" Valve) | 019-0159-006 |
| 10 | Butterfly (1" Valve) | 106-0159-411 |
| 11 | Butterfly (1 1/2" Valve) | 106-0159-414 |
| | Isolation Flange Assembly | 063-0159-457 |
| | Iso-Body Kit (1" Valve) (Not Shown) | 117-0159-009 |
| | Iso-Body Kit (1 1/2" Valve) (Not Shown) | 117-0159-010 |
| | Polarity Reversal Jumper* (Not Shown) | 115-0159-415 |

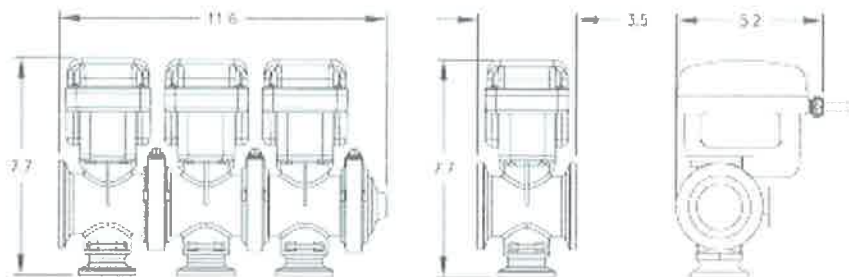
*NOT SUPPLIED WITH STANDARD UNIT





RAVEN MOTORISED BOOM VALVES

The motorised boom valves provide on/off sprayer boom control. The valves go from fully open to fully closed in approximately 1.5 seconds. The valves are available as a single valve or expandable to a bank of up to ten valves. Maximum operating pressure 150 psi. 3/4" ports.



0630171928

Electrical specifications

| | |
|------------------------|------------------|
| Open/Close time | 0.2 seconds |
| Max current draw | 5 amps on inrush |
| Typical current draw | 2 amps on inrush |
| Full open current draw | ≤ 10mA |
| Closed current draw | 0.0 amps |

Wire color

| | |
|-------|--|
| Red | +12 VDC |
| White | Ground |
| Black | Signal (+12 VDC on signal opens valve) |

Standard configuration

- Single valve
- 3-section bank
- Banjo flange fittings

Mechanical specifications

| | |
|------------------|---|
| Inlet | M200 series Banjo flanges |
| Outlet | 3/4" female NPT |
| | or M100 series Banjo flange |
| Wetted parts | Stainless steel |
| | Glass filled polypropylene |
| | Micro-rings and seals |
| Working pressure | 125 PSI maximum |
| Flow rate | 40 GPM at 5 PSI pressure drop (CV = 110) |

Optional user configuration

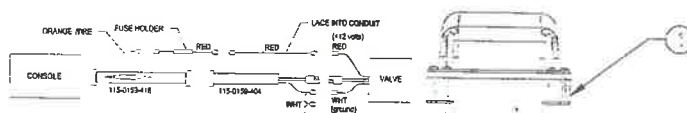
- 2- to 10-section bank

RAVEN 1" FAST CLOSE 3 WAY BALL VALVE

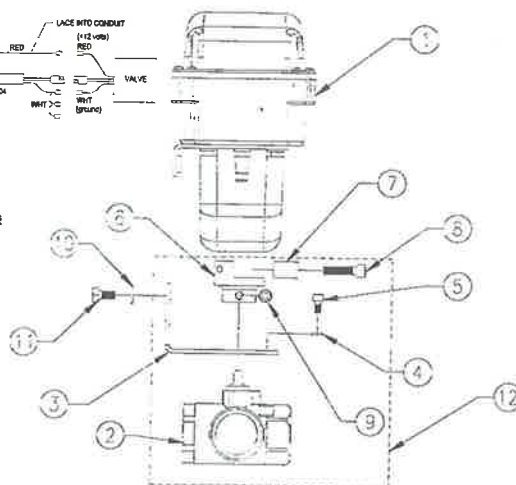
For use with SCS330, 440 and 450 Raven controllers. Electric pressure adjustment. Stainless steel ball and housing. 3 x 1" female threads. Suitable for dual boom, high flow rate application. Regulates both boom and bypass flow simultaneously. Maximum operating pressure 12 bar /175psi. **Must be used with Arag safety valve (459310)**

1" FAST CLOSE VALVE

0630172172



| ITEM | DESCRIPTION | RAVEN PART # |
|------|----------------------------|--------------|
| 1 | Motor Assembly, Fast Valve | 063-0172-146 |
| 2 | 1" 3 Way Ball Valve | 334-0002-043 |
| 3 | Bracket | 107-0171-396 |
| 4 | Washer Split Lock | 313-1000-036 |
| 5 | Screw, Cap #10-24 x 3/8" | 311-0068-047 |
| 6 | Coupler, 1" 3-Way | 107-0171-397 |
| 7 | Clamp, Coupler | 107-0171-394 |
| 8 | Screw, Cap, 1/4-20 x 1" | 311-0068-068 |
| 9 | Screw, Cap, 1/4-20 x 1/2" | 311-0068-064 |
| 10 | Washer, Split Lock | 313-1000-017 |
| 11 | Bolt, Hex, 1/4-20 x 1/2" | 311-0050-201 |
| 12 | Valve/Bracket Assembly | 063-0172-152 |
| 13 | Wiring Kit | 117-0159-642 |

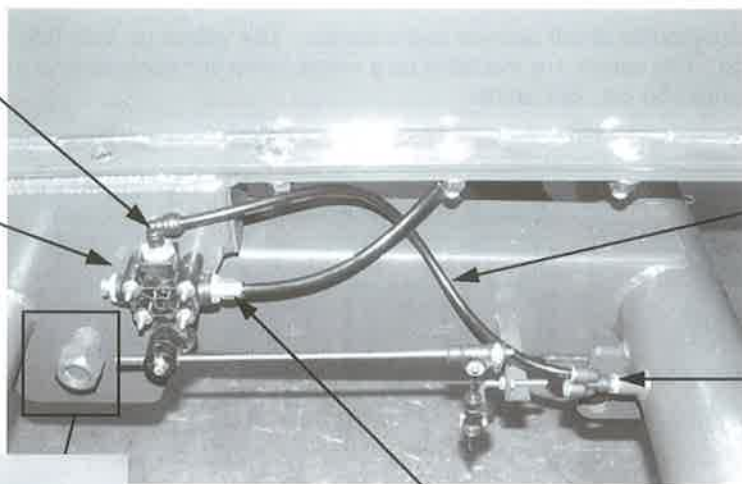




GOLDACRES AIR-BAG SUSPENSION PARTS

Hydraulic elbow
EL10-PT1/4

Ride height valve
KN27000



10mm Nylon tubing
E1000-04BL

Hydraulic Y fitting
EY10-PT1/4



Tri-functional bush,
fitted inside pivot
point (hidden)
A-6914

Hydraulic straight
EC10-PT1/4

Air bag shock absorber
S-20889

Hendrickson Air bag
S21208



Axle air tank drain cock
30-1/4

New Hoses as fitted to Advance

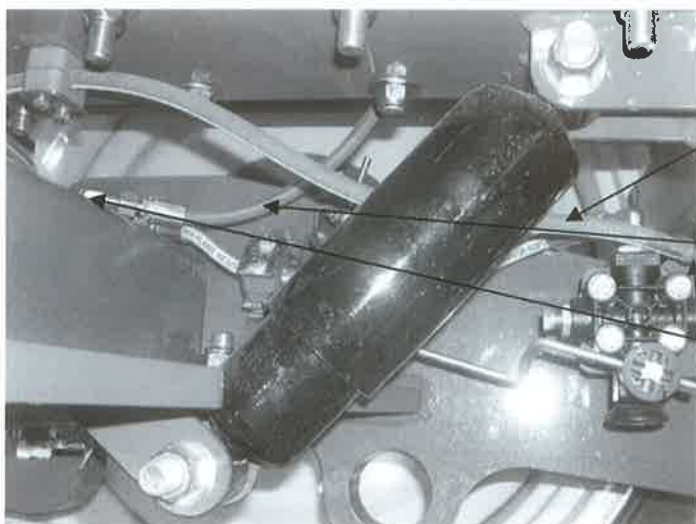


1/4" Blue wire-reinforced hose (990 mm long)
RQP 14-990mm

1/4" Blue wire-reinforced hose (440 mm long)
RQP 14-440mm

Hydraulic elbow
T205-0404

Hydraulic Straight fitting
T202-0404





GOLDACRES AIR-BAG SUSPENSION COMPRESSOR

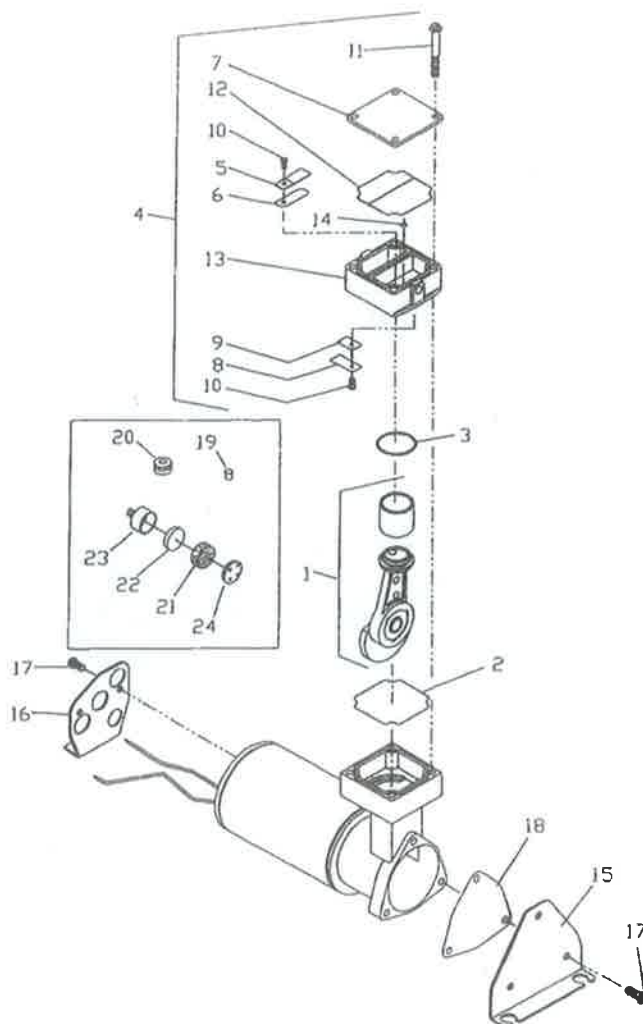


This compressor is used for the Air-bag suspension on Prairie sprayers.

327CDC56/12

Bare compressor

| POS. NO. | PART NO. | DESCRIPTION | Qty |
|----------|-----------|---------------------------------|-----|
| 1 | See chart | Connecting rod ecc & Brg. Assy. | 1 |
| 2 | 623622 | O ring gasket—Head | 1 |
| 3 | 623557 | O ring—Sleeve | 1 |
| 4 | 664792 | Head assembly | 1 |
| 5 | 617250 | Valve restraint | 1 |
| 6 | 621102 | Valve flapper—exhaust | 1 |
| 7 | 621602 | Head plate | 1 |
| 8 | 621533 | Valve flapper—intake | 1 |
| 9 | 621532 | Valve shim | 1 |
| 10 | 625307 | Screw—flappers | 2 |
| 11 | 625534 | Screw—head | 4 |
| 12 | 638042 | O ring— head plate | 1 |
| 13 | 661864 | Head | 1 |
| 14 | 623615 | O ring—flapper | 1 |
| 15 | 617252 | Bracket—front | 1 |
| 16 | 617332 | Bracket—rear | 1 |
| 17 | 625557 | Screw—front bracket | 5 |
| 18 | 638041 | Gasket—front cover | 1 |
| 19 | 609035 | Eyelet | 3 |
| 20 | 624724 | Bumper | 3 |
| 21 | 641034 | Filter—foam | 1 |
| 22 | 641057 | Filter—felt | 1 |
| 23 | 660763 | Filter body | 1 |
| 24 | 660676 | Filter body cap | 1 |

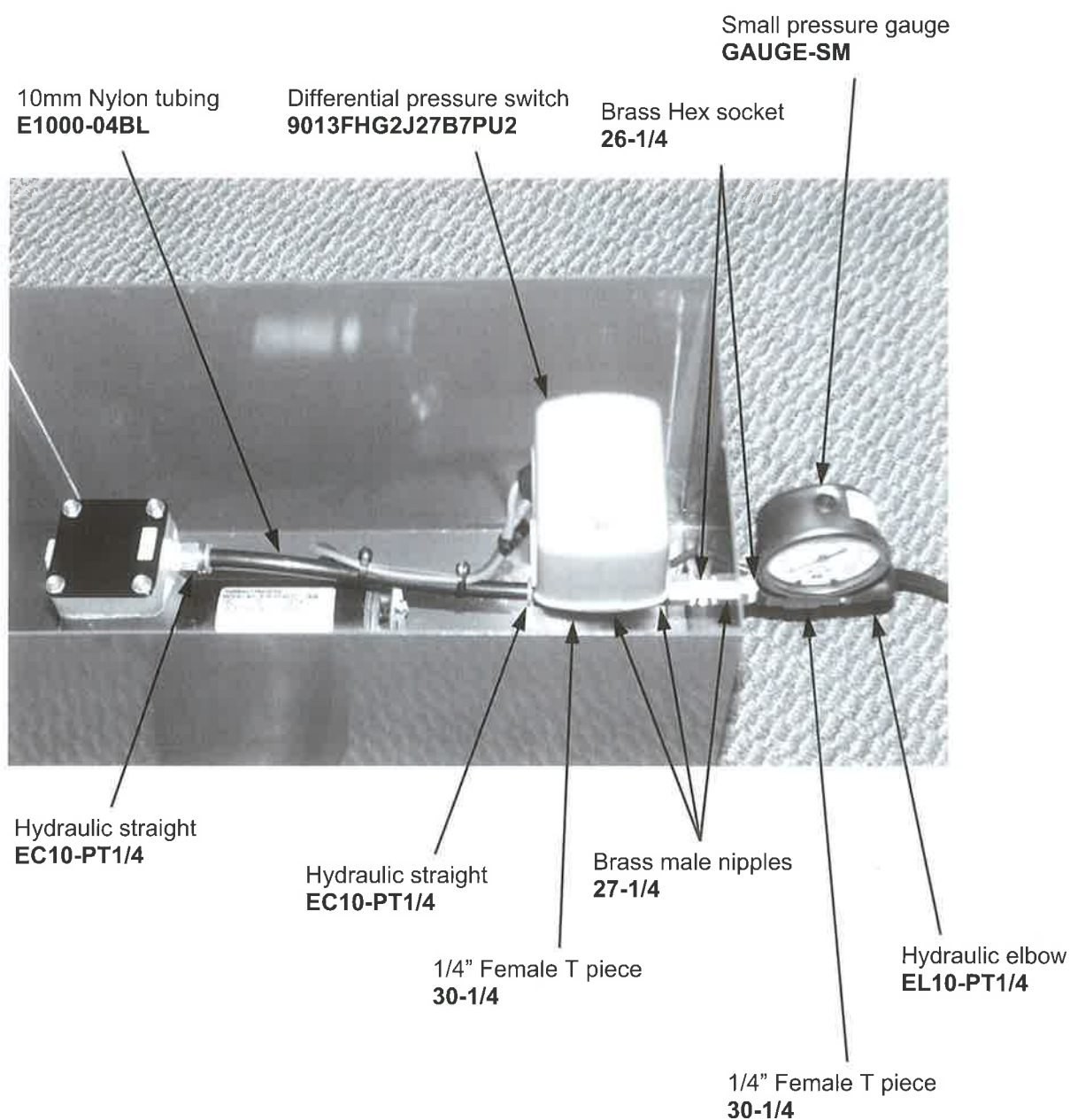




GOLDACRES AIR-BAG SUSPENSION COMPRESSOR BOX

The Air bag suspension fitted to Prairie model sprayers features an auxiliary compressor box mounted near the boom rests. The compressor fitted runs from 12 volt power, and is wired into the foam marker compressor box. A pressure switch is fitted as a standard feature.

The compressor fitted inside the box is listed on the previous page.





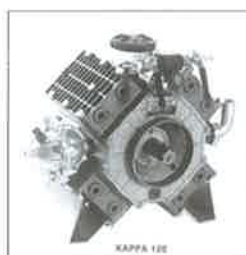
UDOR PUMPS



IOTA 17



KAPPA 30



KAPPA 120



ZETA 85



RO 70/LP



RO 106/LP



RO 121/LP



RO 160/LP



RO 250/LP



BETA 150/2C



GAMMA 160



GAMMA 240

| MODEL | IOTA 17 | KAPPA 30 | KAPPA 120 | ZETA 85 | RO70 | RO106 | RO121 | RO160 | RO250 | BETA15 02C | GAMMA 160 | GAMMA 240 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| L/Min | 17.2 | 33.5 | 124 | 84 | 78 | 105 | 120 | 158 | 248 | 154.5 | 165 | 238 |
| HP | 0.8 | 2.6 | 16.6 | | 4.4 | 6.3 | 7 | 9.6 | 14.4 | 22 | 23.6 | 35.7 |
| kW | 0.6 | 1.91 | 12.2 | | 3.23 | 4.63 | 5.15 | 7.05 | 10.58 | 16.17 | 17.34 | 26.23 |
| BAR | 17 | 30 | 50 | 20 | 20 | 20 | 20 | 20 | 20 | 50 | 60 | 50 |
| PSI | 242 | 426 | 710 | 284 | 284 | 284 | 284 | 284 | 284 | 710 | 852 | 710 |
| RPM | 600 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 |
| KG | 3 | 9.1 | 36 | 14 | 11.5 | 16 | 16 | 22 | 31 | 52 | 46.5 | 46.5 |
| L x W x H (mm) | 209x190x207 | 270x277x328 | 363x480x418 | 268x279x294 | 322x270x285 | 357x290x300 | 357x290x300 | 300x395x427 | 314x371x449 | 555x385x415 | 438x540x313 | 438x540x313 |

UDOR PUMP PARTS

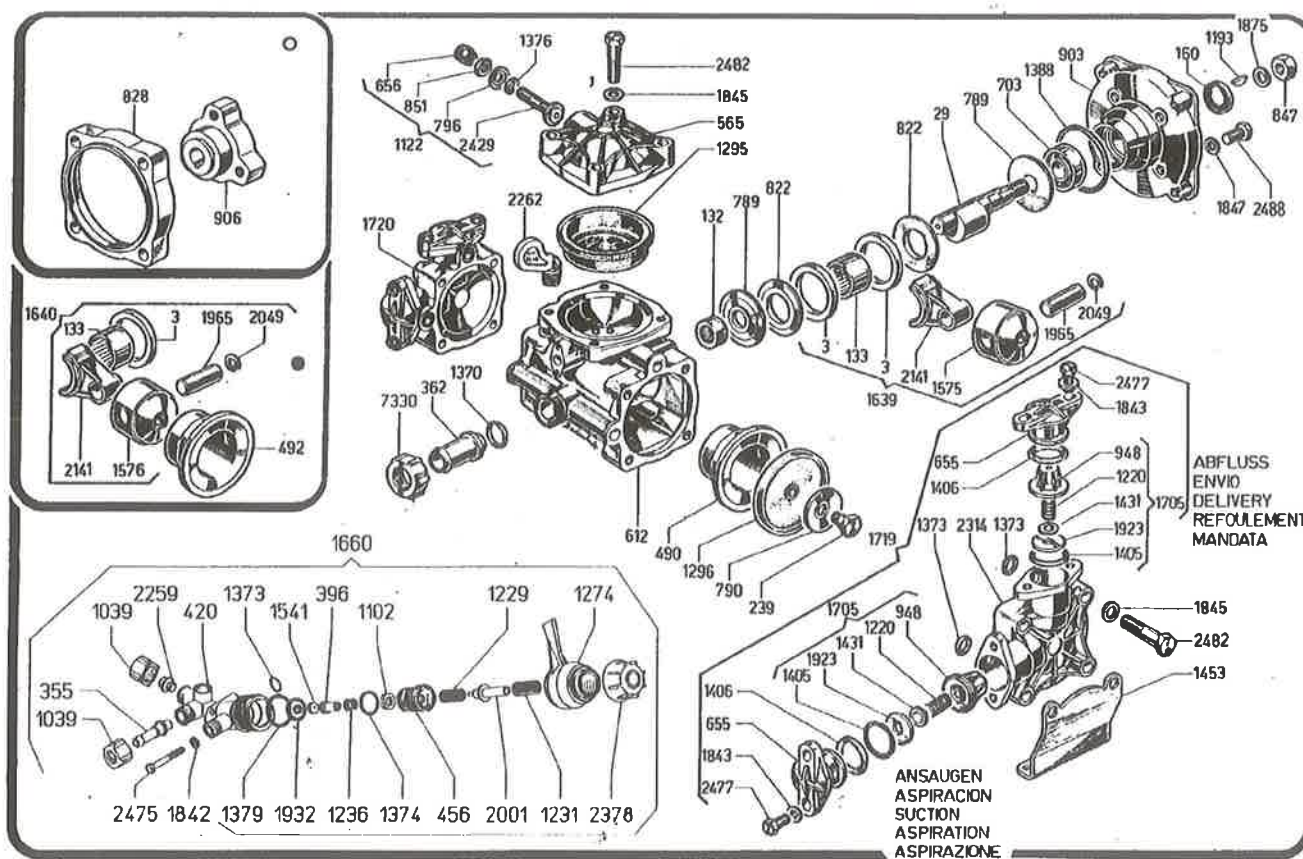
Goldacres carries an extensive range of Udor pump parts. For part numbers of Udor parts, see parts listing after individual UDOR pump pages.



IOTA 17



| | |
|----------------------------|---------------------|
| Maximum pump capacity: | 17.2 l/min |
| Maximum pump speed: | 600 RPM |
| Maximum pressure capacity: | 17 bar (242 psi) |
| Oil Type: | Motor Oil SAE 30W40 |
| Inlet: | 3/4" |
| Outlet: | 1/2" |



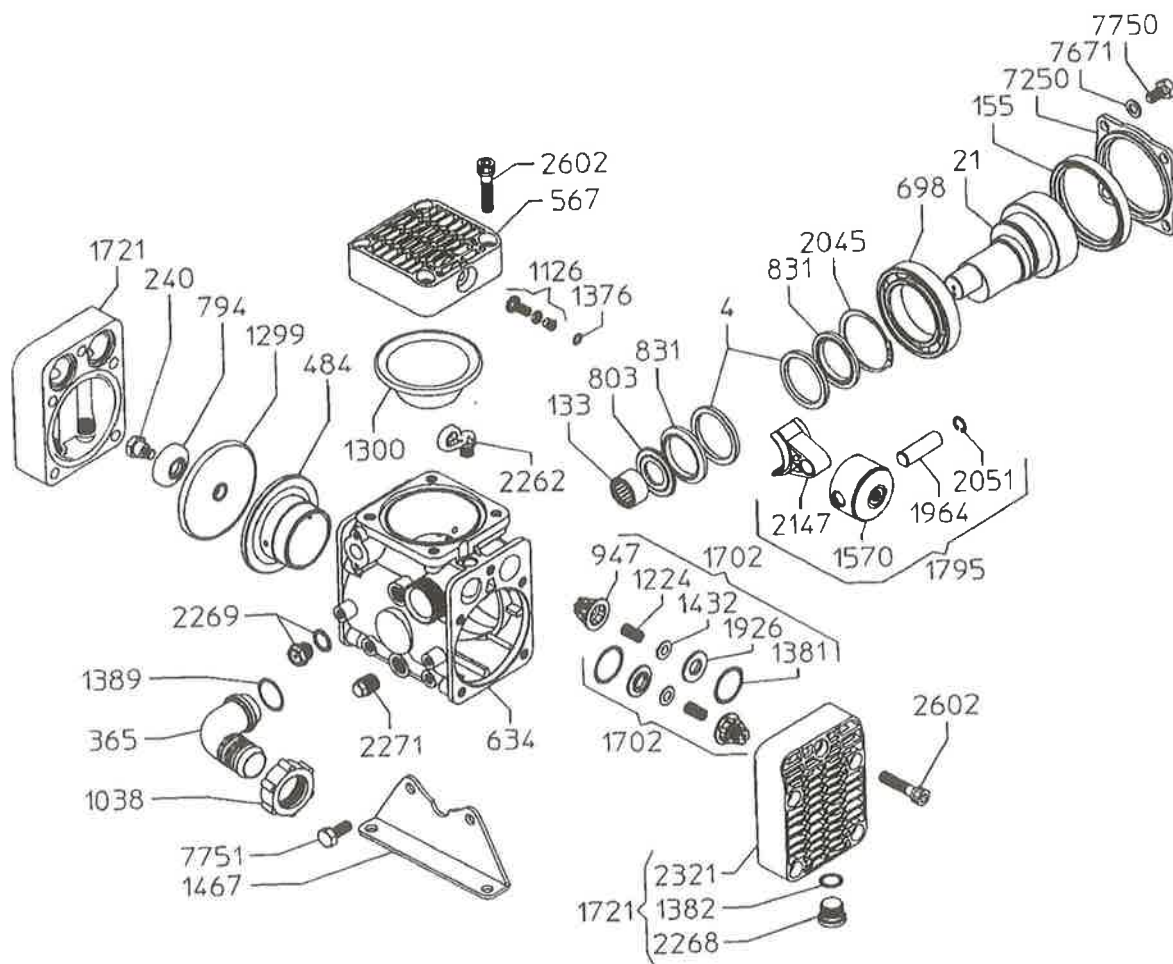


KAPPA 30



KAPPA 30

| | |
|----------------------------|---------------------|
| Maximum pump capacity: | 33.5 l/min |
| Maximum pump speed: | 540 RPM |
| Maximum pressure capacity: | 30 bar (426 psi) |
| Maximum power requirement: | 1.91 KW (2.6 HP) |
| Oil Type: | Motor Oil SAE 30W40 |
| Inlet: | 1 1/4" |
| Outlet: | 3/4" |

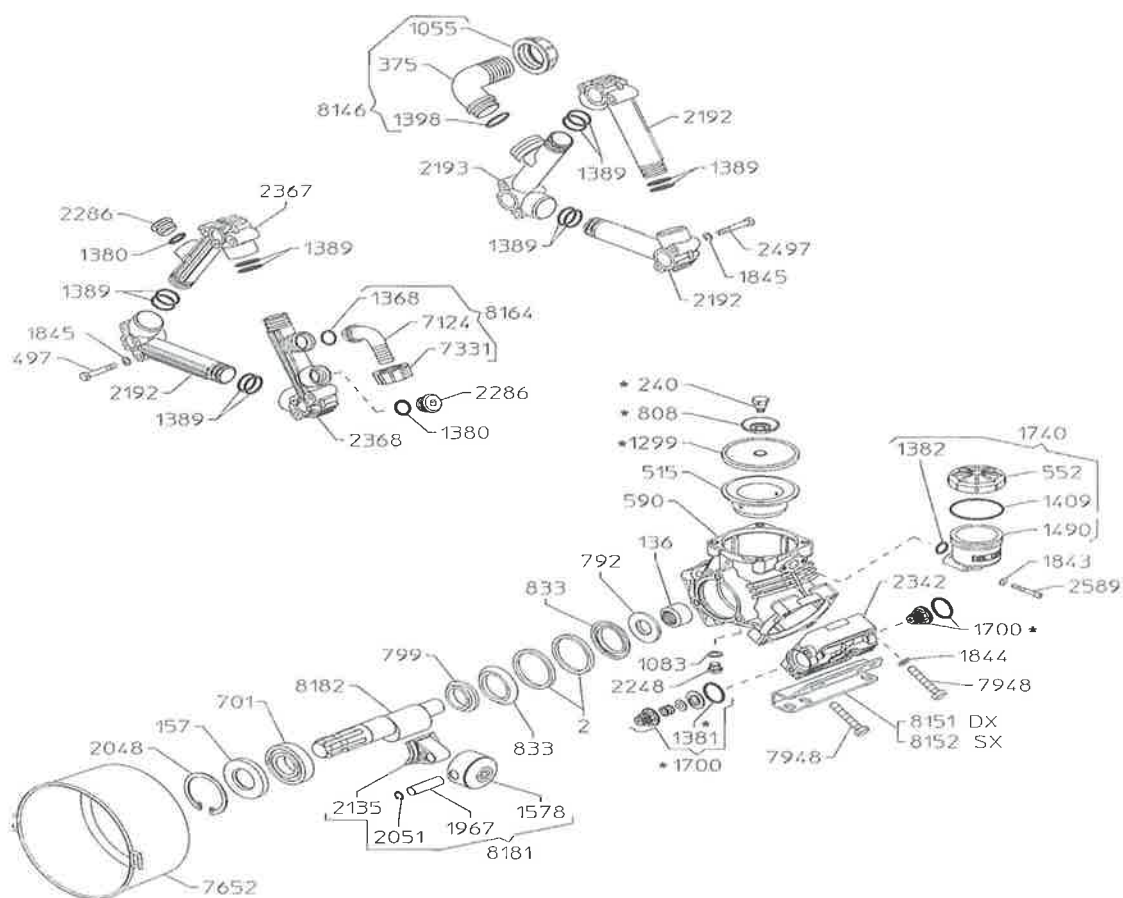




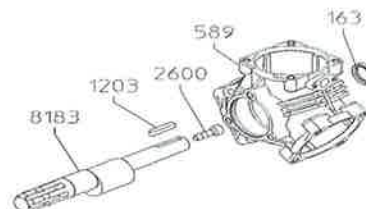
ZETA 85



Maximum pump capacity: 84 l/min
 Maximum pump speed: 540 RPM
 Maximum pressure capacity: 20 bar (284 PSI)
 Maximum power requirement: 4.1 HP
 Oil Type: Motor Oil SAE 30W40



Pump repair kits also available.



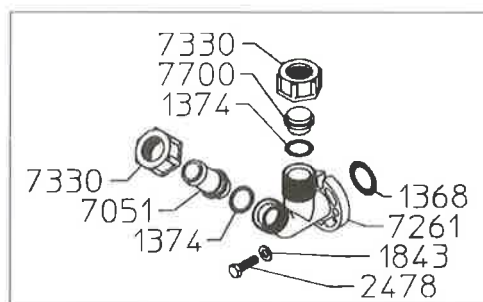
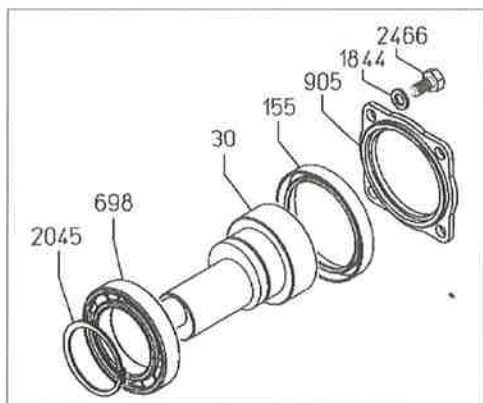
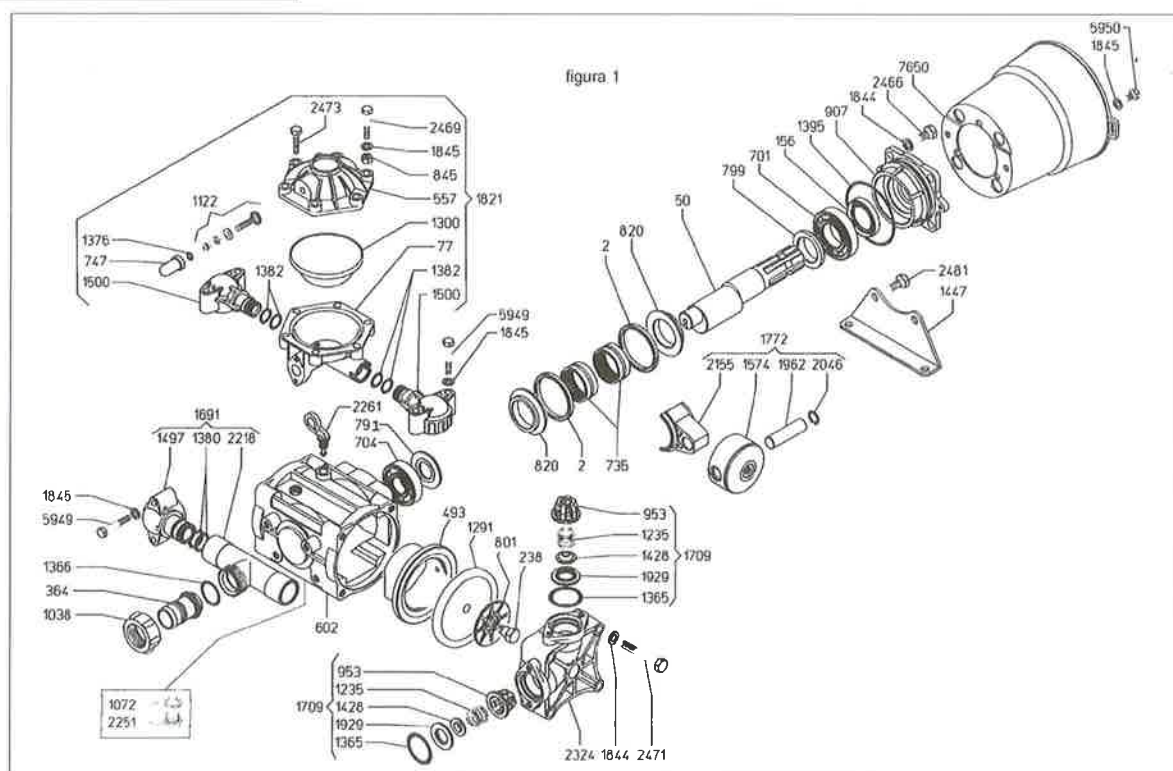


LOW PRESSURE DIAPHRAGM PUMPS

R070



Maximum pump capacity: 78 l/min
 Maximum pump speed: 540 RPM
 Maximum pressure capacity: 20 bar (284 PSI)
 Maximum power requirement: 3.4 KW (4.6 HP)
 Oil Type: Motor Oil SAE 30W40
 Inlet: 1 1/4"
 Outlet: 3/4"



Pump repair kits are also available



LOW PRESSURE DIAPHRAGM PUMPS

RO106 & RO121



Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Maximum power requirement:
Oil Type:
Inlet:
Outlet:

| | RO106 | RO121 |
|----------------------------|---------------------|------------------|
| Maximum pump capacity: | 105 l/min | 120 l/min |
| Maximum pump speed: | 540 RPM | 540 RPM |
| Maximum pressure capacity: | 20 bar (284 PSI) | 20 bar (284 PSI) |
| Maximum power requirement: | 5.36 KW (7.3HP) | 6.24 KW (8.49HP) |
| Oil Type: | Motor Oil SAE 30W40 | |
| Inlet: | 1 1/4" | 1 1/4" |
| Outlet: | 1" or 3/4" | 1" or 3/4" |

649 delivery manifold

Original style delivery manifold (3/4" outlet)
Refer bottom right hand table page 99 for pressure fittings to suit

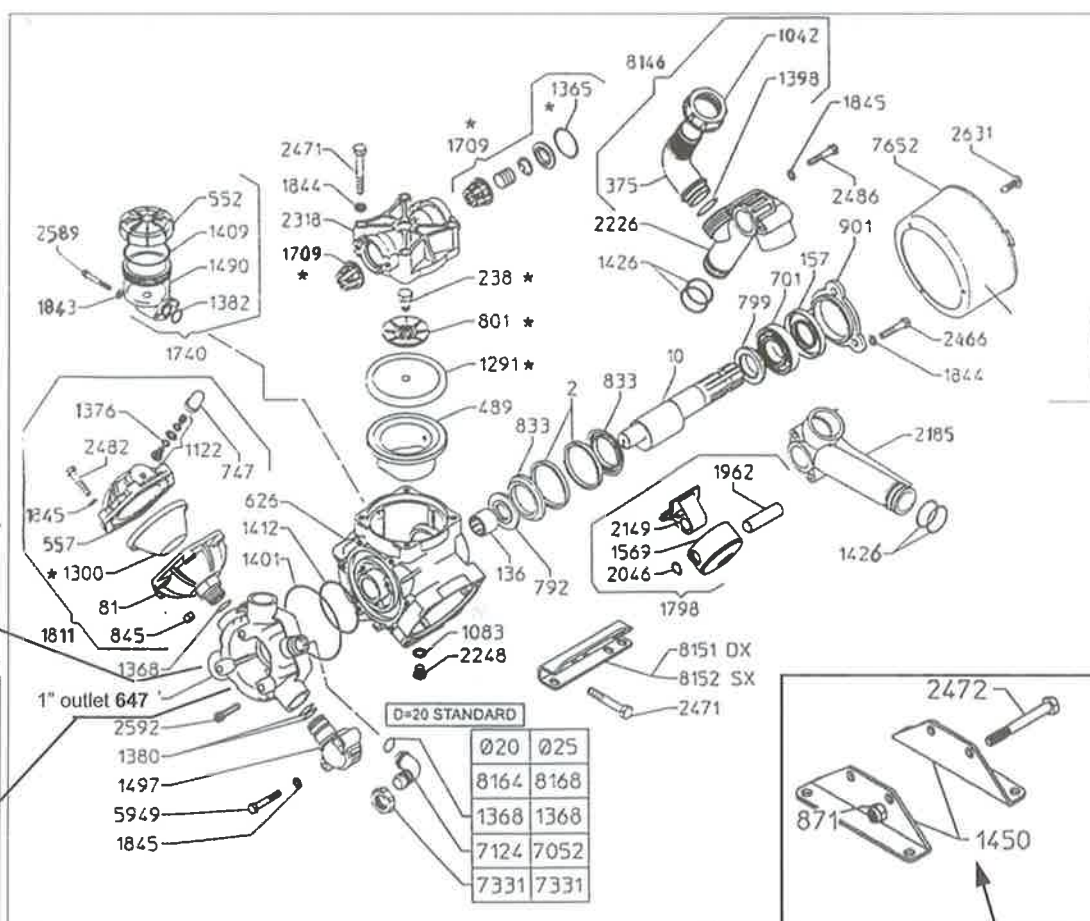


651 delivery manifold



To 2000 model delivery manifold. (3/4" outlet)

Please note:
651 manifold has 3/4" male thread.
Nut & tail to suit
3/4" Elbow **0379**
3/4" Nut **1049**



RO 121 fitted with these two parts, in lieu of Part No's. 489 and 10 above.

Previous model mounting brackets

Pump repair kits are also available



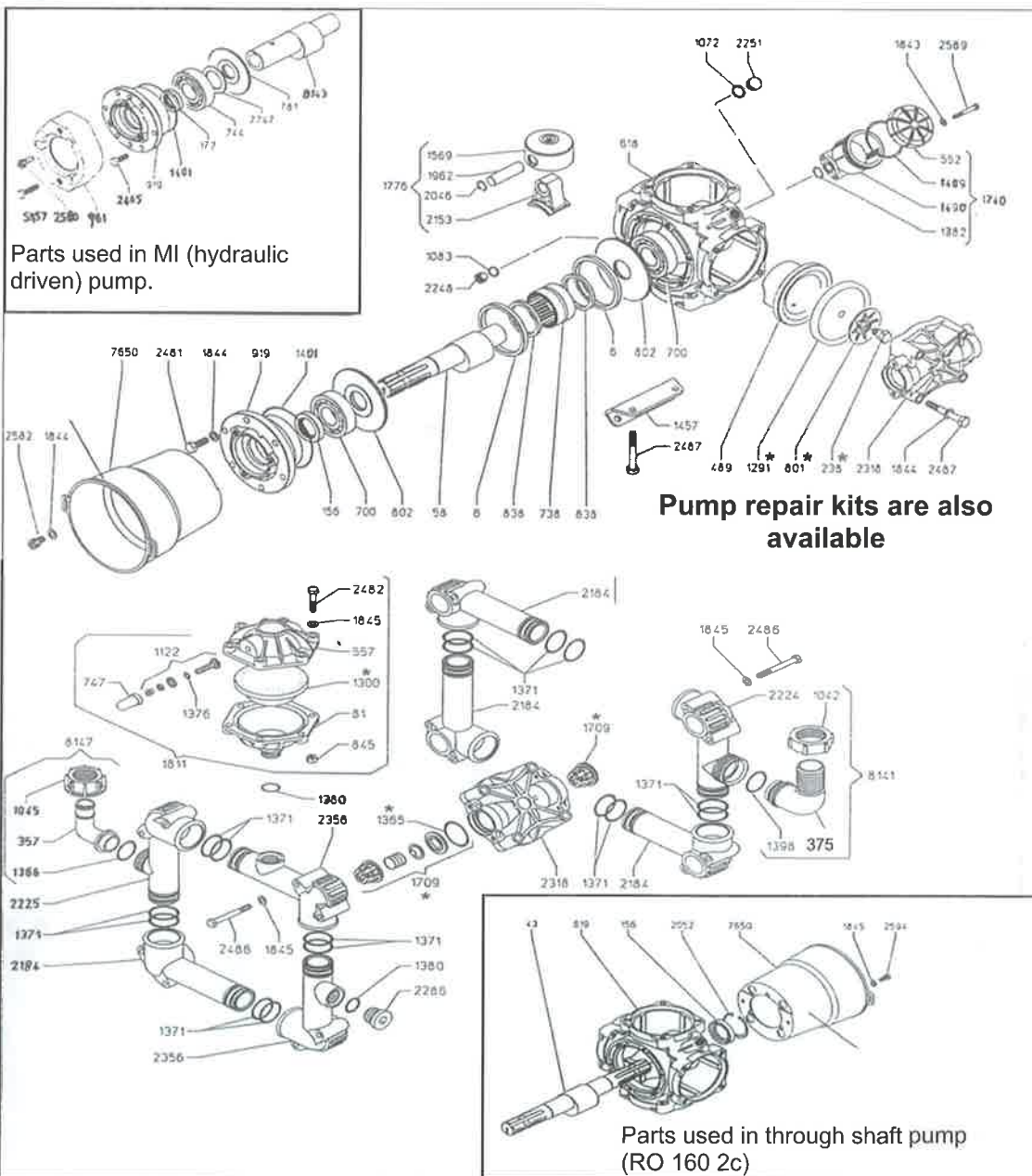


LOW PRESSURE DIAPHRAGM PUMPS

RO160



Maximum pump capacity: 158 l/min
Maximum pump speed: 540 RPM
Maximum pressure capacity: 20 bar (284 PSI)
Maximum power requirement: 7.05 KW (9.6HP)
Oil Type: Motor Oil SAE 30W40
Inlet: 1 1/2"
Outlet: 1"





LOW PRESSURE DIAPHRAGM PUMPS

RO 210 & RO250



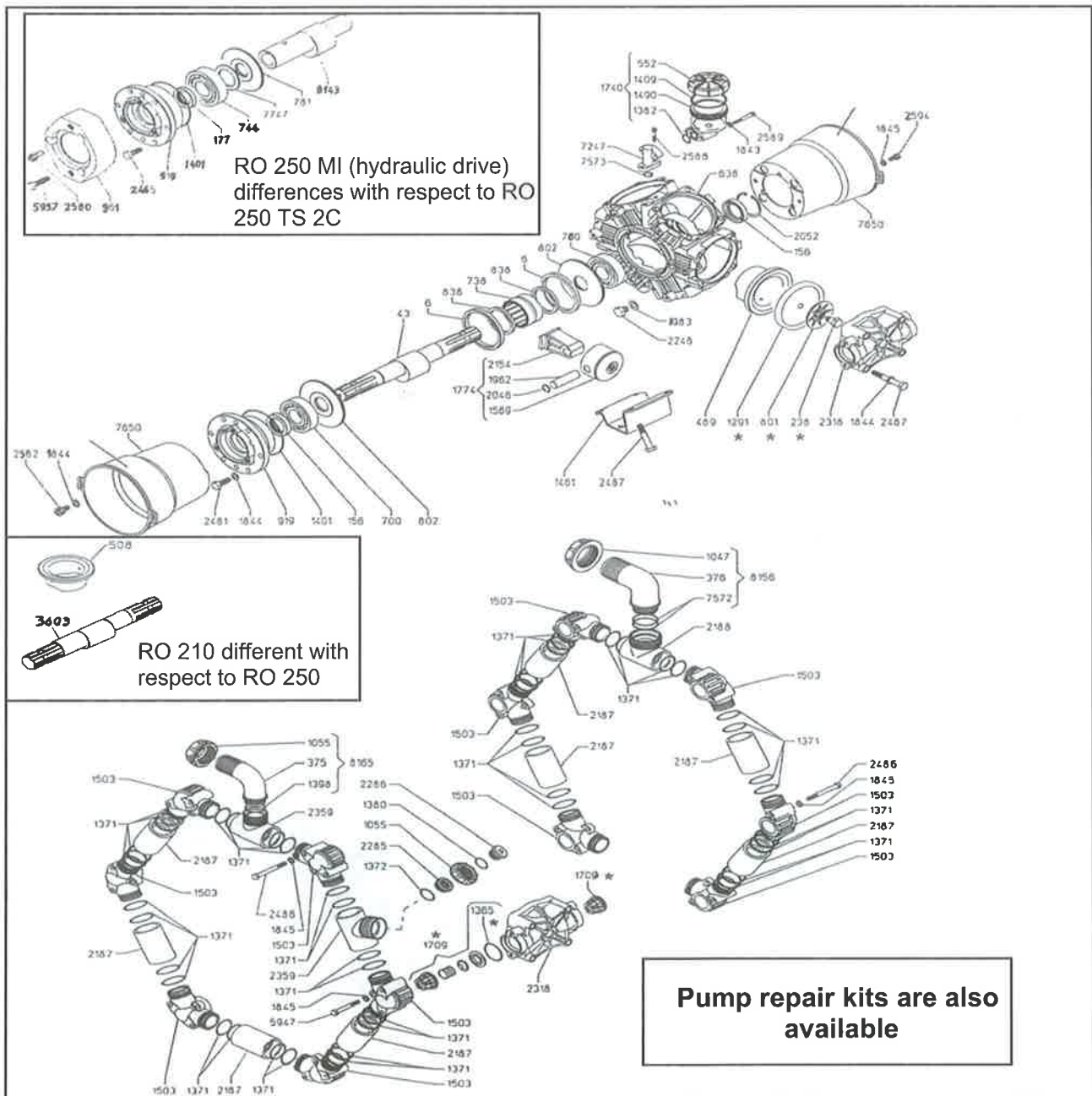
Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Maximum power requirement:
Oil Type:
Inlet:
Outlet:

RO 210

209 l/min
540 RPM
20 bar (284 PSI)
7.21 KW (9.82 HP)
Motor Oil SAE 30W40
2"
1 1/2"

RO 250

239
540 RPM
20 bar (284 PSI)
8.09 KW (11.01HP)
Motor Oil SAE 30W40
2"
1 1/2"





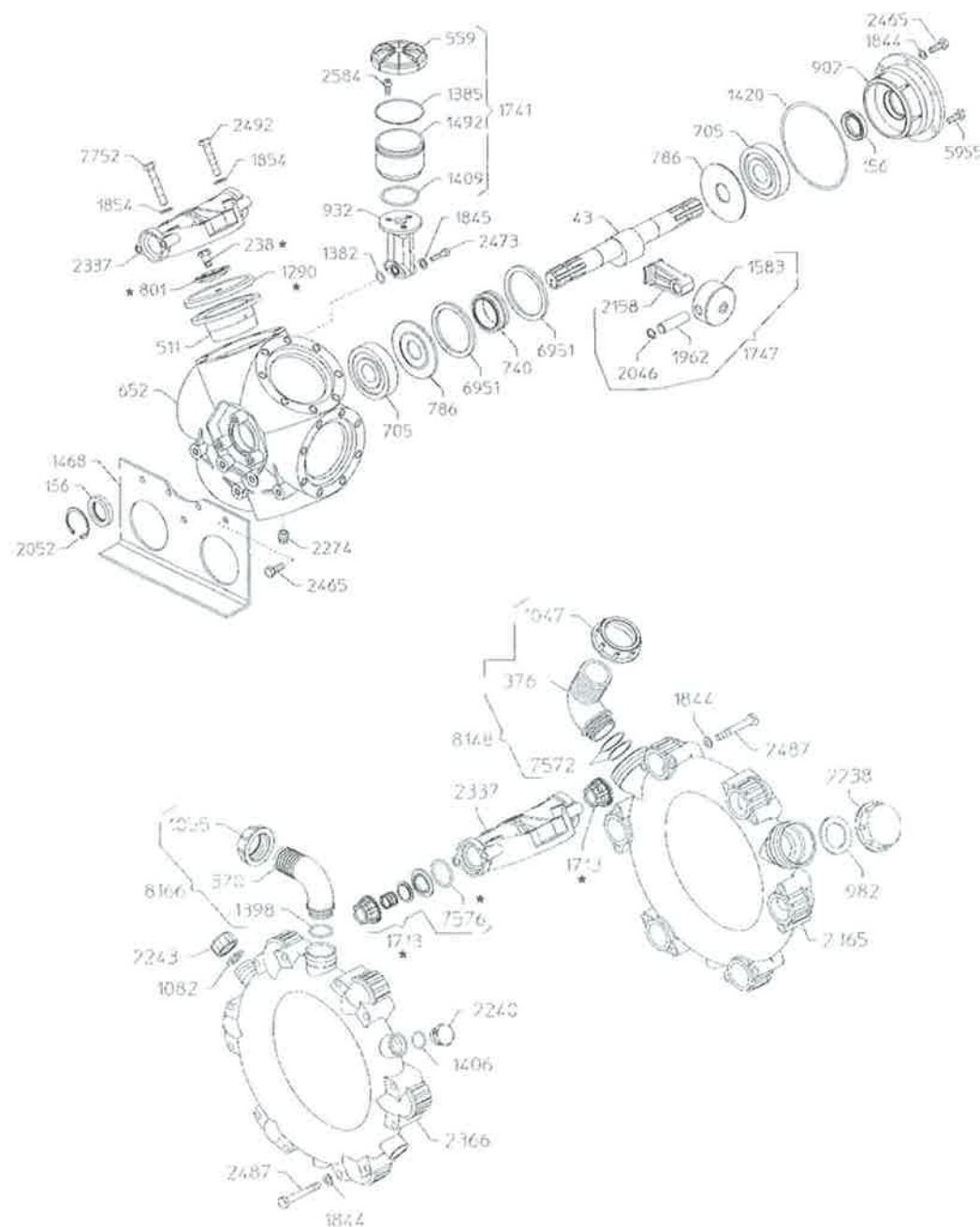
LOW PRESSURE DIAPHRAGM PUMPS

RO 320



Maximum pump capacity: 318 l/min
Maximum pump speed: 540 RPM
Maximum pressure capacity: 20 bar/ 290 psi
Oil Type: Motor Oil SAE 30W40
Inlet: 2"
Outlet: 1 1/2"

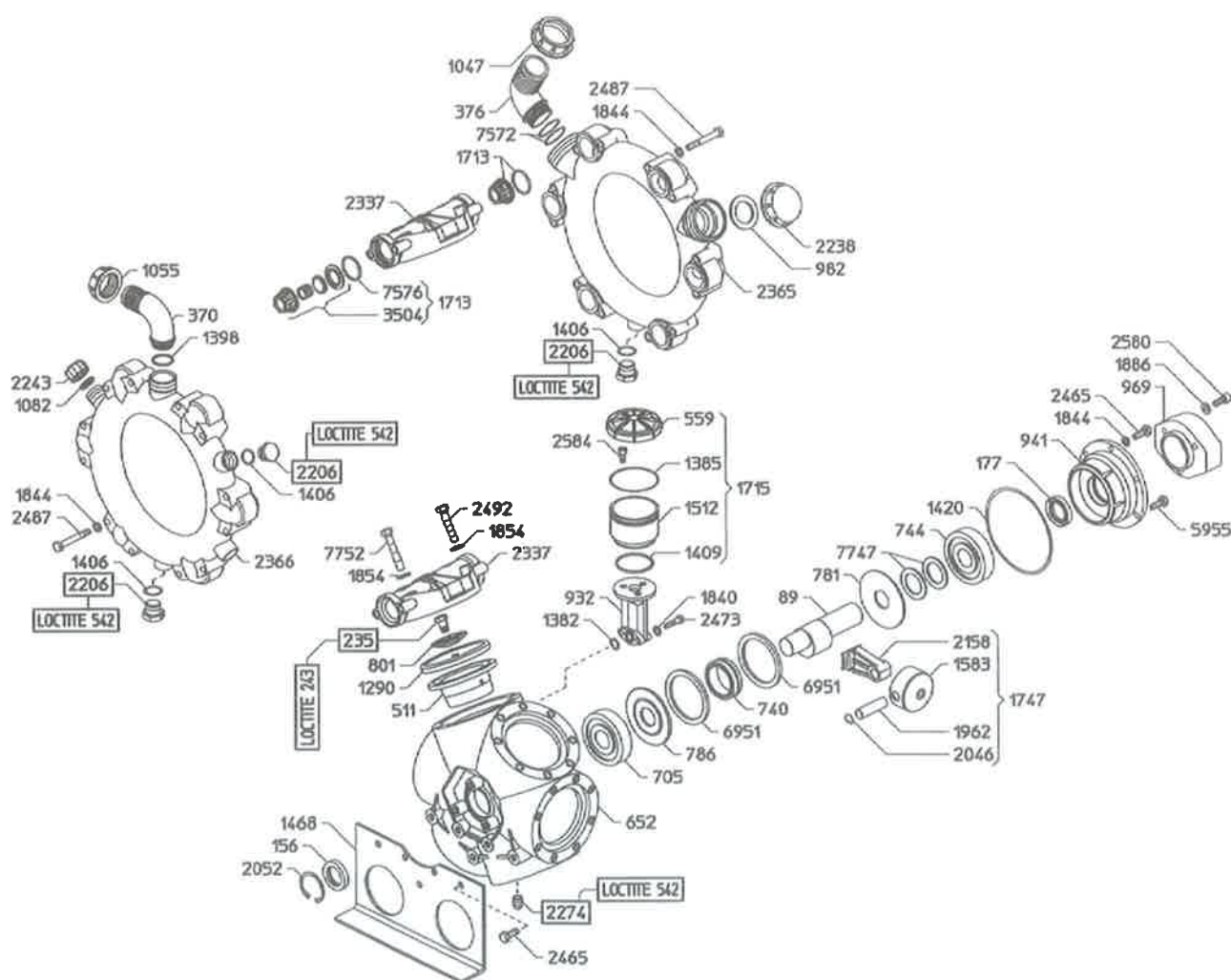
RO 320





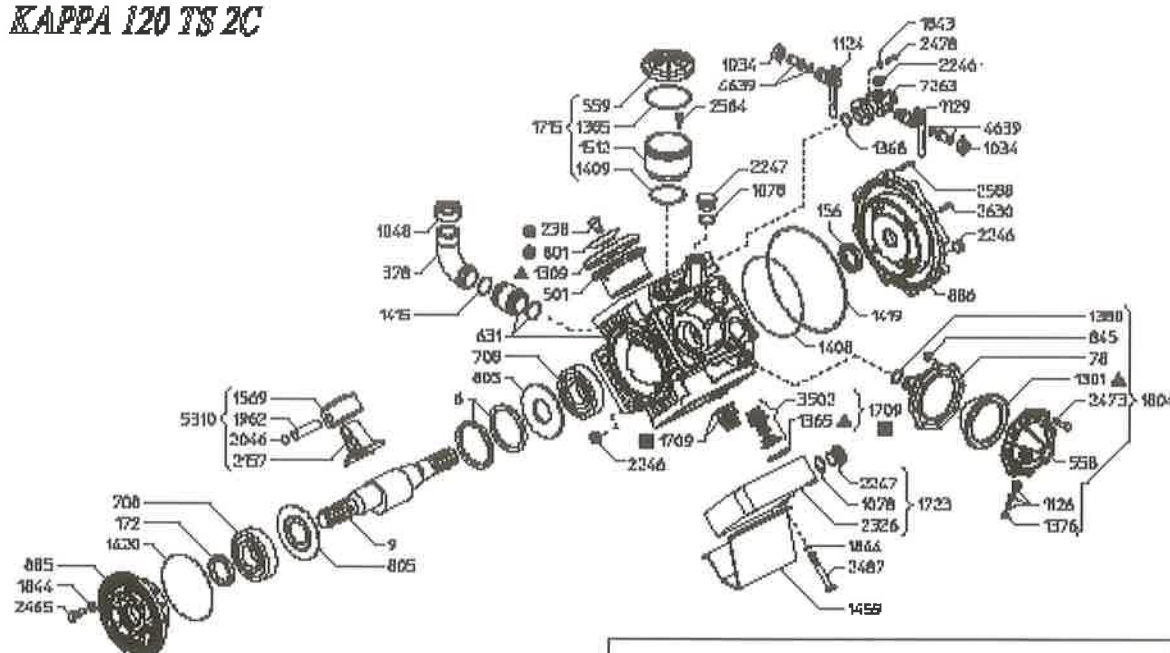
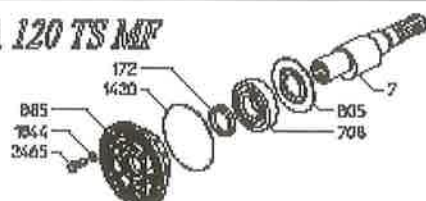
RO 320 MI

Maximum pump capacity: 318 l/min
 Maximum pump speed: 540 RPM
 Maximum pressure capacity: 20 bar/ 290 psi
 Oil Type: Motor Oil SAE 30W40
 Inlet: 2"
 Outlet: 1 1/2"

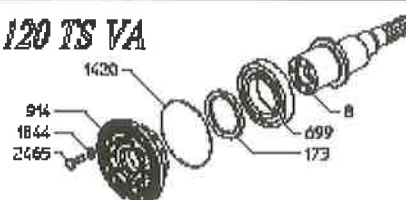




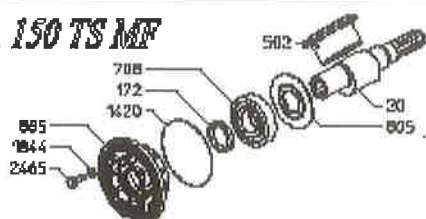
SERIE - SERIES

KAPPA**KAPPA 120 TS 2C****KAPPA 120 TS VA****KAPPA 120 TS MF****KAPPA 150 TS 2C****KAPPA 150 TS VA****KAPPA 150 TS MF****UDOR®****KAPPA 120 TS 2C****KAPPA 120 TS MF**

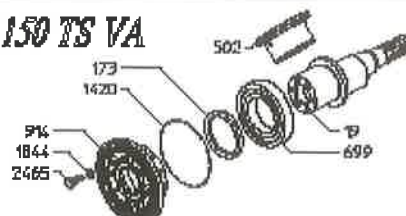
Variente versione TS MF rispetto alla TS 2C
 Variables of version TS MF compared to TS 2C

KAPPA 120 TS VA

Variente versione TS VA rispetto alla TS 2C
 Variables of version TS VA compared to TS 2C

KAPPA 150 TS MF

Variente versione KAPPA 150 TS MF rispetto alla KAPPA 120 TS 2C
 Variables of version KAPPA 150 TS MF compared to KAPPA 120 TS 2C

KAPPA 150 TS VA

Variente versione KAPPA 150 TS VA rispetto alla KAPPA 120 TS 2C
 Variables of version KAPPA 150 TS VA compared to KAPPA 120 TS 2C

KAPPA 150 TS 2C

Variente versione KAPPA 150 TS 2C rispetto alla KAPPA 120 TS 2C
 Variables of version KAPPA 150 TS 2C compared to KAPPA 120 TS 2C

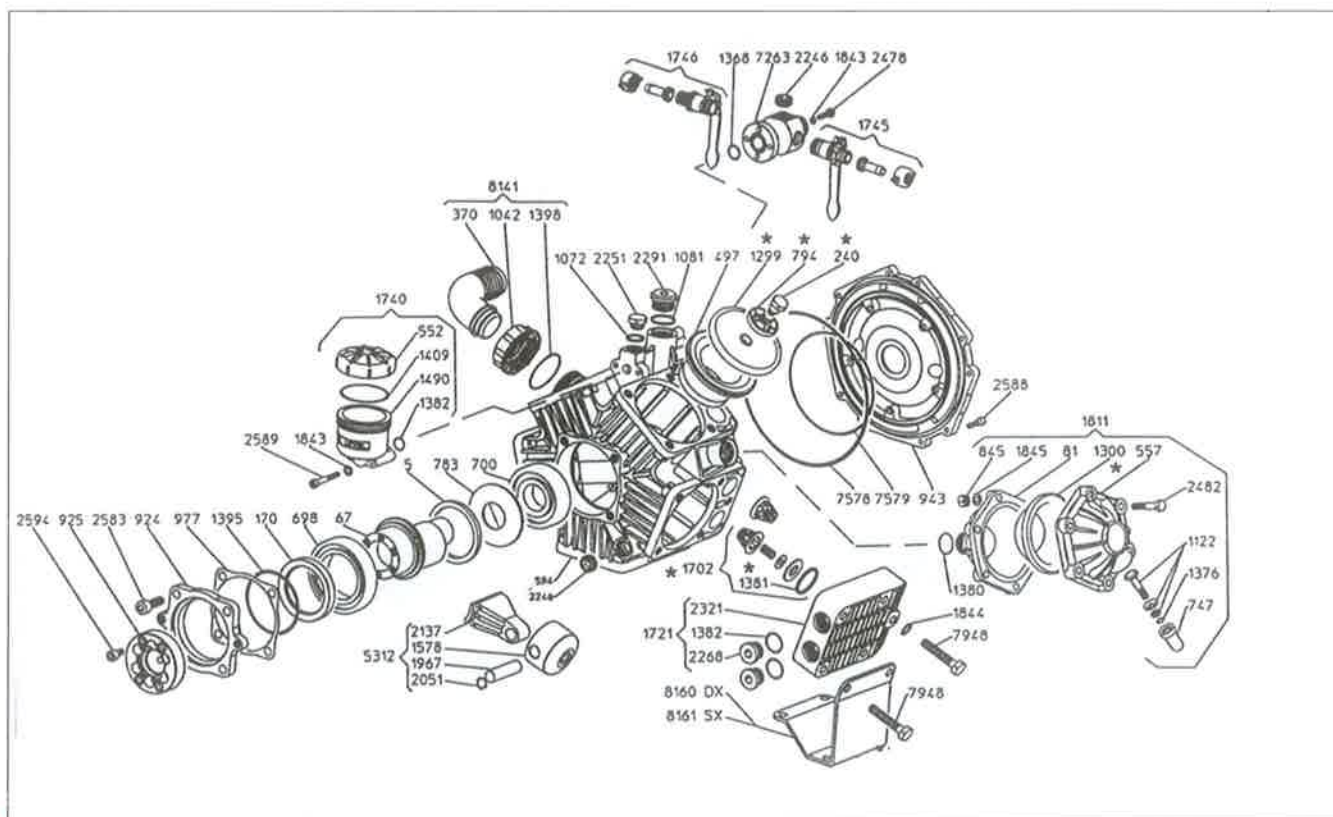
| KIT 528 | | KIT 529 | | KIT 531 | |
|---------------|--------------|---------------|--------------|---------------|--------------|
| 40516062.29 | | 40516062.30 | | 40516062.32 | |
| ▲ | | ■ | | ● | |
| COOCE CODE | Q.TA' QTY | COOCE CODE | Q.TA' QTY | COOCE CODE | Q.TA' QTY |
| 1301 | 1 | 1709 | 8 | 238 | 4 |
| 1309 | 4 | | | 801 | 4 |
| 1365 | 8 | | | | |



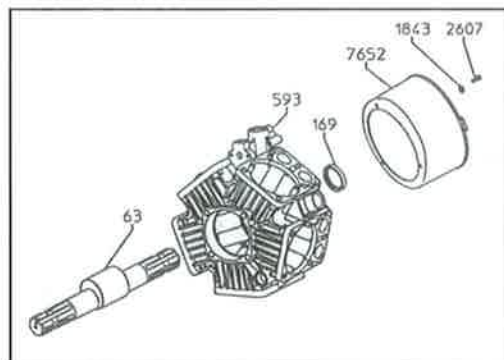
KAPPA 125



Maximum pump capacity: 125.1 l/min
 Maximum pump speed: 540 rpm
 Maximum pressure capacity: 40 bar (568 psi)
 Maximum power requirement: 9.02 kw (12.27 HP)
 Oil Type: Motor Oil SAE 30W40
 Inlet: 1 1/2"
 Outlet: 3/4"

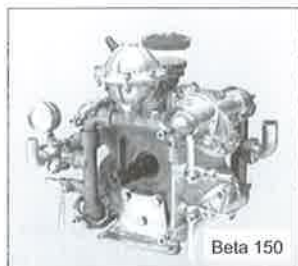


Kappa 125 TS2C
 (through shaft) difference
 in respect to a Kappa 125
 1C.

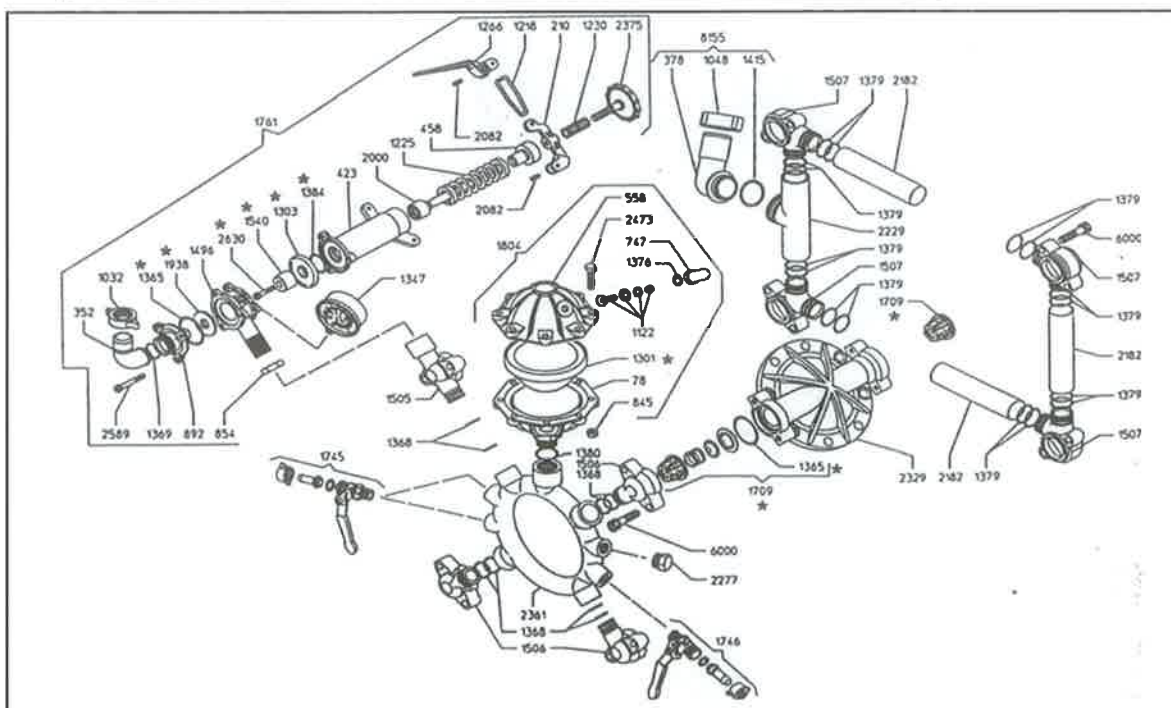
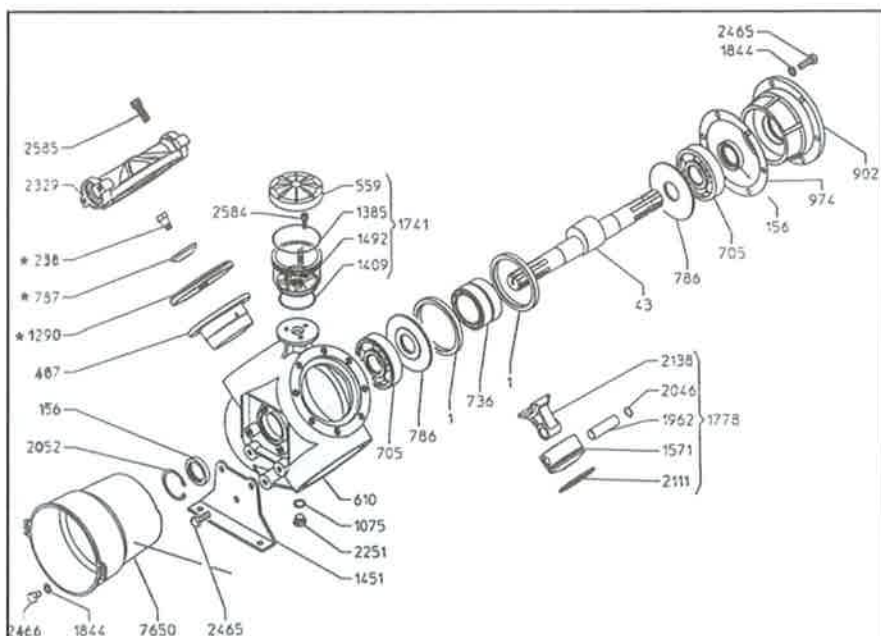




BETA150/2C



| | |
|----------------------------|---------------------|
| Maximum pump capacity: | 150 l/min |
| Maximum pump speed: | 540 RPM |
| Maximum pressure capacity: | 50 bar (710 psi) |
| Maximum power requirement: | 16.17 KW (22 HP) |
| Oil Type: | Motor Oil SAE 30W40 |
| Inlet: | 1 1/2" |
| Outlet: | 1" |





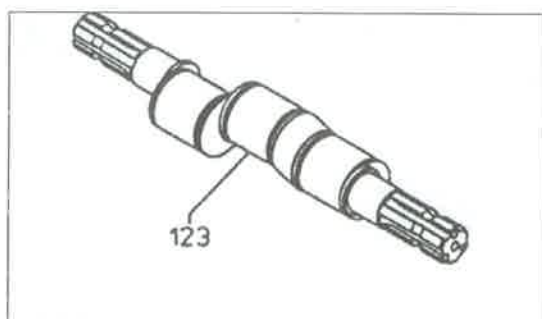
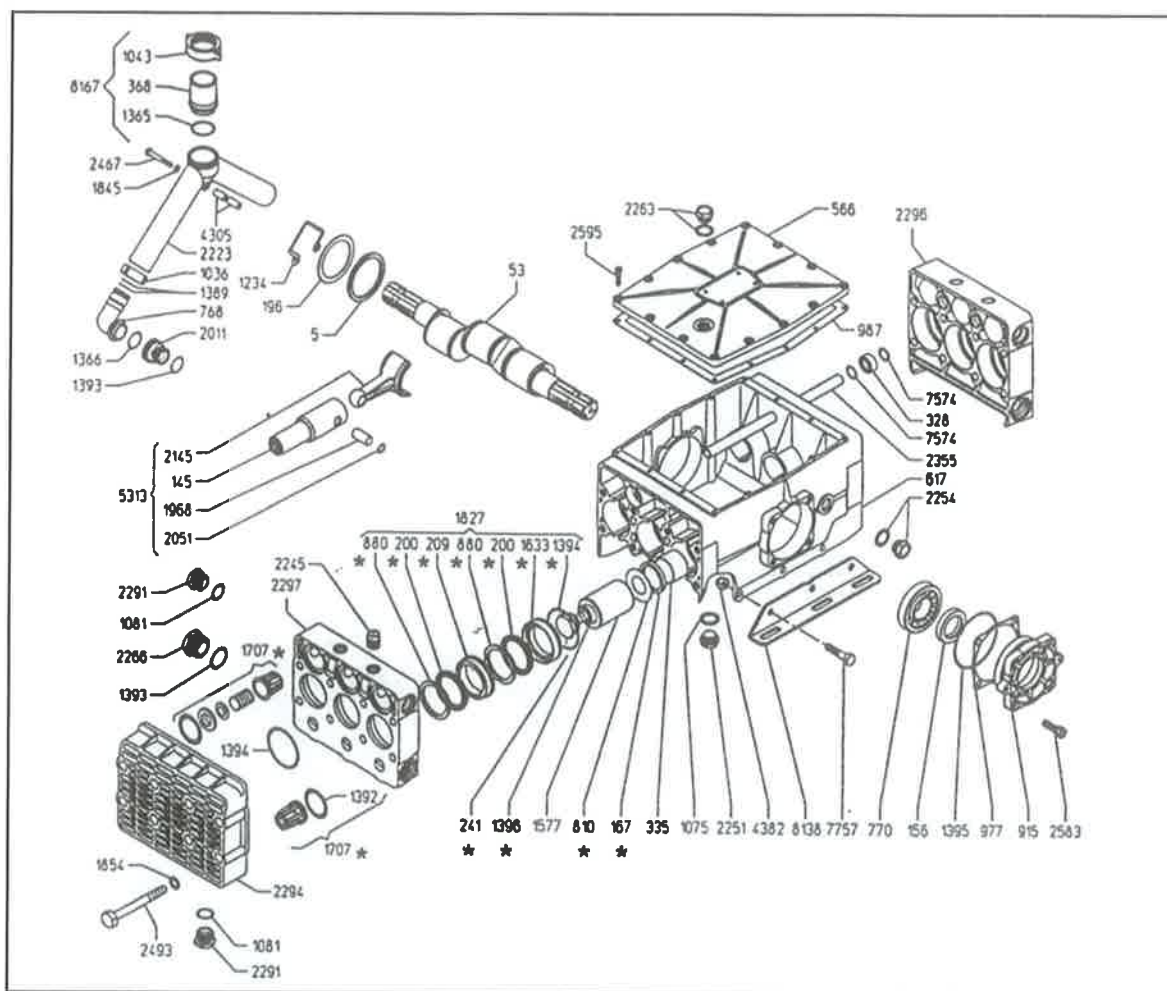
HIGH PRESSURE PLUNGER (PISTON) PUMPS

GAMMA 160 & GAMMA 240



GAMMA 160

| | 160 | 240 |
|----------------------------|---------------------|-------------------|
| Maximum pump capacity: | 151 l/min | 235 l/min |
| Maximum pump speed: | 540 RPM | 540 RPM |
| Maximum pressure capacity: | 60 bar (852 psi) | 50 bar (710 psi) |
| Maximum power requirement: | 16.8 KW (22.9HP) | 23.2 KW (31.5 HP) |
| Oil Type: | Motor Oil SAE 30W40 | |



Gamma 240 TS/2C
differences in regard
to Gamma 160
TS/2C.

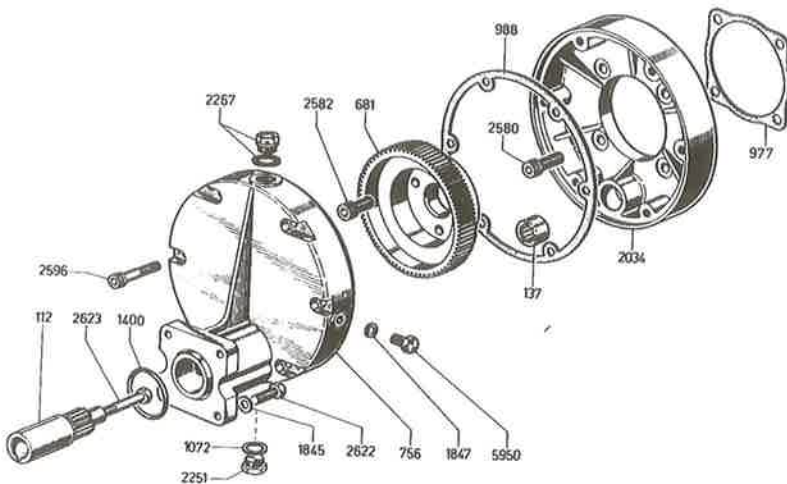


GAMMA 240



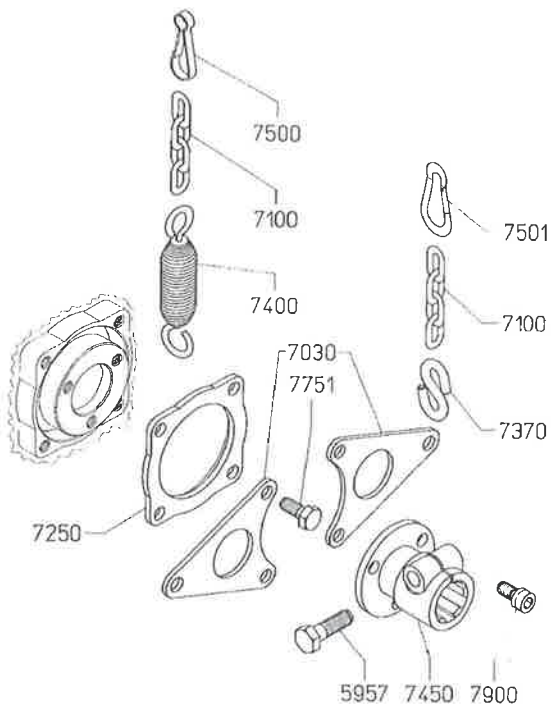
PUMP DRIVE ACCESSORIES

TAV 72 GEARBOX

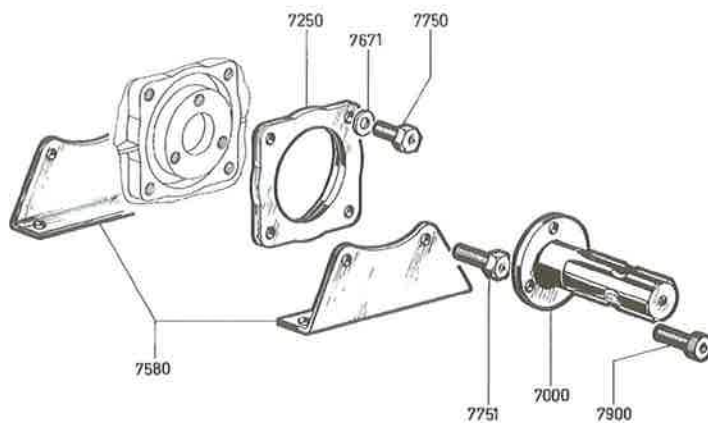


- 6:1 Reduction gearbox.
 - Used in conjunction with:
 - Kappa 30 & 3.5HP engine.
 - RO70 & 5HP engine.
 - RO106 & 5HP engine.
- Oil Type: Gear oil SAE 80W90

TAV 90 QUICK COUPLING ADAPTOR KIT (TO SUIT RO70)



TAV 94 PTO ADAPTOR KIT (TO SUIT KAPPA 30, RO70, RO106)







UDOR PUMP REPAIR KITS

COMPLETE REPAIR KITS (KIT-#-C)

UDOR RO70

| | | |
|---|---|----------------------|
| 2 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |
| 1 | x | 0156 Front oil seal |
| 4 | x | 1235 Valve springs |
| 4 | x | 1365 Valve O rings |

UDOR ZETA 85

| | | |
|---|---|----------------------|
| 3 | x | 1299 Side diaphragms |
| 1 | x | 0156 Front oil seal |
| 6 | x | 1224 Valve springs |
| 6 | x | 1381 Valve O rings |

UDOR RO160

| | | |
|---|---|----------------------|
| 4 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |
| 1 | x | 0156 Front oil seal |
| 8 | x | 1235 Valve springs |
| 8 | x | 1365 Valve O rings |

UDOR RO106 & RO121

| | | |
|---|---|----------------------|
| 3 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |
| 1 | x | 0157 Front oil seal |
| 1 | x | 1401 O ring |
| 1 | x | 1412 O ring |
| 6 | x | 1235 Valve springs |
| 6 | x | 1365 Valve O rings |

UDOR RO 210 & 250

| | | |
|----|---|----------------------|
| 6 | x | 1291 Side diaphragms |
| 1 | x | 0156 Front oil seal |
| 12 | x | 1235 Valve springs |
| 12 | x | 1365 Valve O rings |
| 1 | x | 1401 O ring |

When ordering kits, order as KIT-RO70-C (for complete pump kit)

DIAPHRAGM KITS (KIT-#-D)

UDOR RO70

| | | |
|---|---|----------------------|
| 2 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |

UDOR ZETA 85

| | | |
|---|---|----------------------|
| 3 | x | 1299 Side diaphragms |
|---|---|----------------------|

UDOR RO160

| | | |
|---|---|----------------------|
| 4 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |

UDOR RO106 & RO121

| | | |
|---|---|----------------------|
| 3 | x | 1291 Side diaphragms |
| 1 | x | 1300 Air diaphragm |

UDOR RO210 & 250

| | | |
|---|---|----------------------|
| 6 | x | 1291 Side diaphragms |
|---|---|----------------------|

When ordering kits, order as KIT-RO70-D (for diaphragm kit)

All kits also include pump diagram and fitting instructions.



COMMONLY USED UDOR PART NUMBERS

First four digits are position numbers. For parts not listed, order by position number only.

| PRODUCT CODE | DESCRIPTION | PRODUCT CODE | DESCRIPTION |
|-----------------|-----------------------------|-----------------|--------------------------|
| 0002-7003000102 | CON ROD RETAINING RING | 0559-7004020822 | OIL BOWL CAP |
| 0004-7015000106 | CON ROD RETAINING RING | 0567-7038020834 | UPPER AIR CHAMBER |
| 0005-7042000107 | RETAINING RING | 0593-Not listed | |
| 0006-7036000108 | CON ROD RETAINING RING | 0594-7063020962 | KAPPA 125 HOUSING |
| 0009-7051000264 | CRANKSHAFT KAPPA 120 | 0602-7003020909 | PUMP HOUSING |
| 0010-7023000259 | ECCENTRIC SHAFT | 0604-7015020911 | PUMP HOUSING |
| 0011-7023000260 | ECCENTRIC SHAFT | 0618-7036020925 | PUMP HOUSING 1c |
| 0014-7050000263 | ECCENTRIC SHAFT | 0619-7036020926 | PUMP HOUSING 2C |
| 0021-7038000270 | ECCENTRIC SHAFT | 0626-7023020934 | PUMP HOUSING |
| 0030-7012000211 | ECCENTRIC SHAFT | 0631-4051020933 | KAPPA HOUSING |
| 0050-7027000214 | ECCENTRIC SHAFT | 0634-7038020940 | PUMP HOUSING |
| 0058-7036000246 | ECCENTRIC SHAFT | 0638-7058020949 | PUMP HOUSING |
| 0059-7036000247 | ECCENTRIC SHAFT | 0647-7026025707 | DELIVERY MANIFOLD |
| 0063-7047000252 | KAPPA 125 2C SHAFT | 0649-7023025702 | DELIVERY MANIFOLD RO 106 |
| 0067-7045000256 | KAPPA 125/75 CRANKSHAFT | 0651-7206025705 | DELIVERY MANIFOLD RO 121 |
| 0077-7015000309 | LOWER AIR CHAMBER | 0652-7064020965 | 320 PUMP HOUSING |
| 0078-7004000310 | LOWER AIR CHAMBER | 0681-7425021322 | GEAR |
| 0081-7014000315 | LOWER AIR CHAMBER | 0698-7001021401 | BEARING 6012 |
| 0112-7425000418 | MOTOR ADAPTOR SPLINE | 0700-7004021404 | BEARING 6307 |
| 0133-7011000602 | BEARING HK 25-20 | 0701-7004021405 | THRUST BEARING 6207 |
| 0135-7015000606 | BEARING HK3516 | 0704-7012021409 | BEARING 6305 |
| 0136-7014000607 | BEARING HK25-26 | 0708-7051021416 | BEARING 6309 |
| 0137-7425000608 | BEARING HK16-12 | 0735-7001021601 | CON ROD BEARING NK4220 |
| 0155-7001000701 | SEAL | 0738-7036021607 | CON ROD BEARING NK55/35 |
| 0156-7004000702 | SEAL 35x55x10 | 0747-7001021801 | AIR VALVE COVER |
| 0157-7451000705 | SEAL 35x72x10 | 0756-7425022823 | HOUSING-MOTOR |
| 0169-7047000726 | SEAL 35x47x7 | 0783-7063030152 | KAPPA 125 BEARING WASHER |
| 0170-7047000727 | SEAL D60X80X10 | 0787-7004030103 | DIAPHRAGM WASHER |
| 0172-7051000734 | SEAL 45x60x10 | 0791-7011030110 | THRUST WASHER |
| 0203-7634002303 | TEFLON SEAL | 0792-7014030114 | THRUST WASHER |
| 0238-7003010203 | DIAPHRAGM BOLT | 0794-7015030114 | DIAPHRAGM WASHER |
| 0240-7015010204 | DIAPHRAGM BOLT | 0799-7014030124 | THRUST WASHER |
| 0355-7011020215 | HOSE BARB 8 | 0801-7003030107 | DIAPHRAGM WASHER |
| 0357-7003020218 | DELIVERY HOSE BARB ELBOW 25 | 0802-7036030128 | THRUST WASHER |
| 0360-7202020222 | BRASS BARB | 0803-7038030130 | THRUST WASHER |
| 0362-7028020227 | HOSE BARB 20 | 0805-7051030134 | WASHER |
| 0365-7008020252 | HOSE BARB ELBOW 11/4" | 0820-7003030201 | SPACER RING |
| 0375-7202020278 | HOSE BARB ELBOW 38 | 0831-7038030250 | SPACER RING |
| 0376-7042020279 | HOSE BARB ELBOW 50 | 0833-7023030252 | SPACER RING |
| 0396-7028020308 | CONTROL VALVE SEAT | 0834-7051030253 | SPACER |
| 0484-7015020609 | CYLINDER LINER | 0838-7036030259 | SPACER RING |
| 0489-7014020614 | CYLINDER LINER | 0845-7001030301 | AIR CHAMBER NUT M8 |
| 0493-7012020619 | CYLINDER LINER | 0871-7801030404 | NUT M10 |
| 0497-7045020624 | PISTON SLEEVE | 0885-7051050181 | FLANGE KAPPA 120 |
| 0499-7202020626 | CYLINDER LINER | 0886-7051050180 | CRANKCASE |
| 0501-7051020628 | CYLINDER LINER | 0901-7014050145 | BEARING SUPPORT FLANGE |
| 0527-7015020707 | MANIFOLD END CLAMP | 0905-7201050102 | BEARING SUPPORT FLANGE |
| 0552-7014020807 | OIL BOWL CAP | 0907-7027050118 | BEARING SUPPORT FLANGE |
| 0557-7016020820 | UPPER AIR CHAMBER | 0913-7413050144 | FLANGE ADAPTER TAPERED |
| 0558-7004020821 | UPPER AIR CHAMBER | 0916-7021050162 | SHAFT ADAPTER |
| | | 0919-7042050167 | BEARING SUPPORT FLANGE |



COMMONLY USED UDOR PART NUMBERS

First four digits are position numbers. For parts not listed, order by position number only.

| PRODUCT CODE | DESCRIPTION | PRODUCT CODE | DESCRIPTION |
|-----------------|-------------------------------|-----------------|---|
| 0924-7045050169 | FLANGE KAPPA | 1408-7045110163 | O-RING |
| 0925-7047050170 | KAPPA FLANGE | 1409-7046110168 | OIL BOWL CAP O-RING 60.33x3.53 |
| 0927-7023050179 | BEARING SUPPORT FLANGE | 1412-7023110179 | O-RING 74.8x2.6 |
| 0943-7063051D4 | HOUSING FLANGE | 1414-7634110109 | O-RING 7x2 |
| 0953-7004060110 | VALVE CAGE | 1415-7096110177 | O-RING |
| 0977-7401060205 | PUMP GASKET | 1419-7051110180 | O-RING |
| 0988-7425060227 | HOUSING GASKET | 1420-7051110171 | O-RING |
| 1036-7004060413 | BRASS NUT | 1426-7021110189 | O-RING 36.1x3.53 |
| 1037-7003060417 | SUCTION NUT 3/4" | 1428-7004120103 | VALVE PLATE |
| 1038-7003060418 | SUCTION NUT M42x2 | 1447-7201120202 | MOUNTING BRACKET |
| 1039-7011060419 | PRESSURE NUT 3/8" | 1450-7014120211 | MOUNTING BRACKET (old style RO 106 / 121) |
| 1042-7600060425 | SUCTION NUT 1 1/2" | 1456-7042120227 | MOUNTING BRACKET |
| 1045-7600060432 | DELIVERY NUT 1 1/4" | 1457-7036120229 | MOUNTING BRACKET |
| 1047-7042060439 | SUCTION NUT 2" | 1459-7051120236 | BASE PLATE |
| 1072-7004060509 | FLAT ALUMINIUM WASHER 17x22x2 | 1461-7058120238 | MOUNTING BRACKET |
| 1081-7040060548 | GASKET D26X32X1.5 | 1483-4015120318 | MANIFOLD END |
| 1122-5003060815 | AIR VALVE ASSY | 1490-7014120327 | OIL BOWL |
| 1126-5038060816 | AIR VALVE | 1492-7004120330 | OIL BOWL |
| 1199-7022080111 | KEYSHAFT 10x8x40 | 1494-7014120333 | CONTROL VALVE PIPE |
| 1211-7634080316 | CONTROL BALL VALVE HANDLE | 1497-7021120336 | MANIFOLD END |
| 1229-7028090131 | CONTROL SPRING | 1500-7027120338 | MANIFOLD END |
| 1231-7003090106 | CONTROL SPRING | 1503-7058120342 | MANIFOLD END |
| 1235-7004090135 | VALVE SPRING | 1569-7003120506 | PISTON |
| 1290-7004090301 | SIDE DIAPHRAGM | 1570-7015120507 | PISTON |
| 1291-7003090302 | SIDE DIAPHRAGM | 1574-7012120512 | PISTON |
| 1295-7011090308 | AIR DIAPHRAGM | 1578-7045120518 | PISTON |
| 1296-7011090309 | SIDE DIAPHRAGM | 1607-7021120622 | STUD M10x50 |
| 1299-7015090313 | SIDE DIAPHRAGM | 1660-4028601008 | PRESSURE CONTROL VALVE |
| 1300-7015090314 | AIR DIAPHRAGM | 1678-4050601049 | PRESSURE CONTROL VALVE |
| 1301-7004090316 | AIR DIAPHRAGM | 1702-4015600601 | VALVE ASSY |
| 1304-7014090326 | CONTROL VALVE DIAPHRAGM | 1705-4011600604 | VALVE ASSY |
| 1365-7002110101 | VALVE O-RING | 1707-4040600606 | VALVE ASSY |
| 1366-7002110102 | O-RING 29.75x3.53 | 1709-4004600608 | VALVE ASSY |
| 1368-7002110104 | O-RING 20.63x2.62 | 1721-4038601706 | CYLINDER HEAD ASSY |
| 1370-7002110106 | O-RING 15.08x2.62 | 1723-4051601312 | HEAD SSEMBLY |
| 1371-7004110107 | O-RING 34.52x3.53 | 1740-4021603301 | OIL BOWL ASSY |
| 1374-7011110112 | DELIVERY O-RING 17.13x2.62 | 1741-4004603302 | OIL BOWL ASSEMBLY |
| 1376-7010110116 | O-RING 6x3 | 1745-4063603421 | BALL VALVE D12 ASSY. |
| 1380-7003110125 | O-RING 20.22x3.53 | 1746-4063603420 | BALL VALVE ASSEMBLY |
| 1381-7015110127 | VALVE O-RING 31.34x3.53 | 1772-4012601534 | PISTON ASSY |
| 1382-7015110129 | O-RING 16x3 | 1774-4058601532 | PISTON ASSY |
| 1385-7004110132 | O-RING 83x2.5 | 1776-4036601530 | PISTON ASSY |
| 1389-7014110141 | SUCTION O-RING 28x3 | 1784-4015601508 | PISTON ASSY |
| 1391-7021110143 | O-RING 71.12x2.62 | 1795-4038601521 | PISTON ASSY |
| 1392-7040110145 | VALVE O-RING 37.47x5.34 | 1798-4023601524 | PISTON ASSY |
| 1395-7040110148 | O-RING 88.5x3.53 | 1824-4046603002 | LINER KIT |
| 1398-7014110142 | SUCTION O-RING 32x3 | 1843-7003140307 | WASHER 6.5x13x1.2 |
| 1400-7425110157 | O-RING 40.95x2.62 | 1844-7015140309 | FLAT WASHER 10.5x18x2 |
| 1401-7036110158 | O-RING 110x2.5 | 1845-7002140310 | FLAT WASHER 8.5x15x1.5 |
| 1406-7028110117 | O-RING 60.33x3.53 | 1847-7207140312 | FLAT WASHER 8.5x14x1.5 |



COMMONLY USED UDOR PART NUMBERS

First four digits are position numbers. For parts not listed, order by position number only.

| PRODUCT CODE | DESCRIPTION | PRODUCT CODE | DESCRIPTION |
|-----------------|-----------------------------|-----------------|--------------------------|
| 1929-7003150117 | VALVE SPACER | 2469-7605180418 | BOLT M8x45 |
| 1962-7005150201 | GUDGEON PIN 18x64 | 2471-7001180429 | BOLT M10x70 |
| 1964-7015150203 | GUDGEON PIN | 2472-7010180431 | BOLT M10x90 |
| 1967-7045150207 | CON ROD PIN | 2473-7015180454 | BOLT M8x35 |
| 2001-7028150312 | ADJUSTING ROD | 2473-7015180454 | BOLT M8x35 |
| 2013-7051150404 | THREADED NIPPLE | 2478-7011180468 | BOLT M6x22 |
| 201770106 | QUICK-COUPLER FEMALE | 2481-7201180407 | MOUNTING BRACKET BOLT |
| 2034-7425150529 | HOUSING-PUMP | 2482-7207180409 | AIR CHAMBER BOLT M8x40 |
| 2045-7001150601 | CIRCLIP 60 | 2486-7112180479 | BOLT M8x70 |
| 2046-7001150602 | GUDGEON PIN CIRCLIP 18 | 2487-7605180425 | BOLT M10x75 |
| 2051-7015150615 | CIRCLIP 15 | 2580-7001180501 | BOLT M10x25 |
| 2052-7004150616 | CIRCLIP | 2582-7203180504 | BOLT M10x20 |
| 2137-7063151927 | CON ROD KAPPA 125 | 2583-7402180505 | BOLT M10x30 |
| 2147-7038151914 | CON ROD | 2584-7004180506 | BOLT M8x20 |
| 2149-7023151916 | CONNECTING ROD | 2586-7207180513 | BOLT M8x35 |
| 2153-7036151920 | CONNECTING ROD | 2588-7207180553 | BOLT M6x22 |
| 2154-7058151921 | CON ROD | 2589-7004180526 | BOLT M6x45 |
| 2155-7003151922 | CONNECTING ROD | 2592-7004180511 | BOLT M8x25 |
| 2184-7036160112 | MANIFOLD WITH END | 2594-7207180524 | BOLT M8x16 |
| 2185-7021160113 | SUCTION MANIFOLD | 2596-7207180523 | BOLT M8x40 |
| 2186-7021160114 | SUCTION MANIFOLD WITH END | 2598-7004180531 | BOLT M6x30 |
| 2187-7058160116 | MANIFOLD END | 2602-7412180525 | BOLT M10x45 |
| 2188-7058160117 | SUCTION MANIFOLD WITH PORT | 2607-7056180548 | BOLT M6x12 |
| 2218-7003160214 | SUCTION MANIFOLD | 2622-7425180707 | BOLT 5/16"x1" |
| 2219-7015160215 | MANIFOLD WITH PORT | 2623-7425180708 | BOLT 5/16"x2" |
| 2224-7036160220 | SUCTION MANIFOLD WITH PORT | 370-7036020272 | ELBOW D40 |
| 2225-7036160221 | DELIVERY MANIFOLD WITH PORT | 4004600518 | REGULATING VALVE ASSY |
| 2226-7021160222 | SUCTION MANIFOLD | 4634604805 | CB 3-WAY CONTROL |
| 2227-7021160223 | SUCTION MANIFOLD WITH PORT | 4634604806 | CB 4-WAY CONTROL |
| 2246-7202160371 | 1/2" GAS PLUG. | 4634604814 | SL 4-WAY CONTROL |
| 2246-7202160371 | 1/2" GAS PLUG. | 4634604825 | SB 3-WAY CONTROL |
| 2251-7004160302 | PLUG 3/8" | 4634604826 | SB 4-WAY CONTROL |
| 2261-7003160323 | OIL DIPSTICK | 5949-7209180472 | BOLT M8x50 |
| 2262-7028160324 | OIL DIPSTICK | 5950-7605180477 | BOLT M8x14 |
| 2267-5452160326 | PLUG 3/8" | 5957-7112180456 | BOLT M12x40 |
| 2268-7038160332 | CYLINDER HEAD PLUG | 7000-7201000501 | ADAPTER - MALE 6-SPLINE |
| 2269-5038160333 | OIL SIGHT PLUG | 7030-7201010613 | FLANGE ARM |
| 2271-7003160303 | OIL DRAIN PLUG | 7051-7201020269 | DELIVERY HOSE BARB 19 |
| 2272-7051160340 | 3/4" GAS PLUG. | 7052-7614020275 | ELBOW BARB 1" |
| 2291-70401603A3 | 3/4 GAS AL CAP | 7100-7201023002 | CHAIN 4x28x550 |
| 2311-7015160427 | CYLINDER HEAD | 7124-7026025305 | ELBOW BARB 3/4" |
| 2318-7036160436 | CYLINDER HEAD | 7201120711 | PULLEY 205 DIA. |
| 2321-7038160439 | CYLINDER HEAD | 7201120714 | PULLEY 250 DIA. |
| 2324-7027160450 | CYLINDER HEAD | 7247-7058050191 | OIL BOWL FLANGE |
| 2326-7051160451 | KAPPA HEAD | 7250-7201050102 | BEARING SUPPORT FLANGE |
| 2356-7036160515 | DELIVERY MANIFOLD WITH PORT | 7261-7201050806 | FLANGED DELIVERY OUTLETS |
| 2359-7058160520 | DELIVERY MANIFOLD WITH PORT | 7263-7201050813 | FLANGE |
| 2429-7010180302 | IOTA AIR VALVE | 7330-7201060429 | DELIVERY NUT 3/4" (RED) |
| 2465-7004180403 | BOLT M10x30 | 7330-7201060429 | NUT |
| 2466-7201180406 | BOLT M10x20 | 7331-7600060436 | DELIVERY NUT |



COMMONLY USED UDOR PART NUMBERS

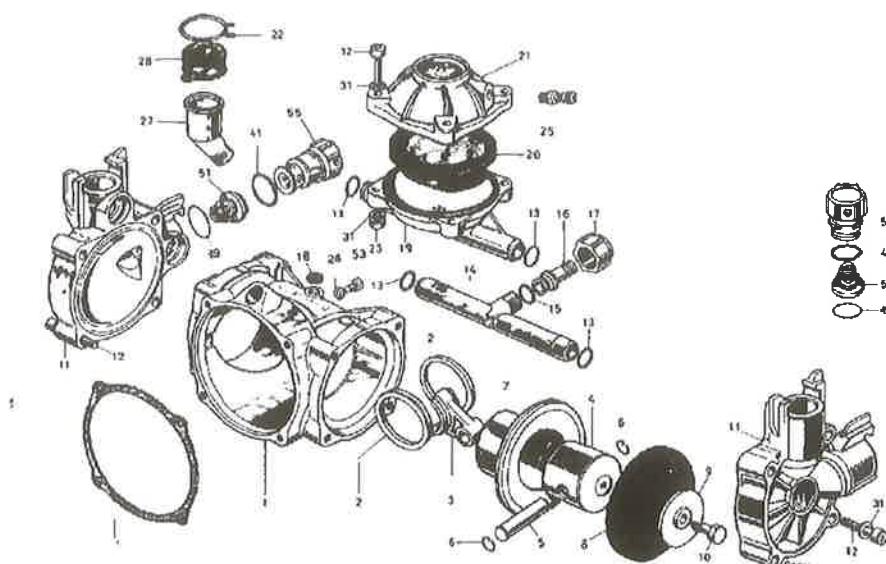
First four digits are position numbers. For parts not listed, order by position number only.

| PRODUCT CODE | DESCRIPTION |
|-----------------|--------------------------------|
| 7370-7201060901 | CHAIN HITCH |
| 7400-7201090120 | SPRING |
| 7450-7201090509 | ADAPTER - FEMALE 6-SPLINE |
| 7500-7201091001 | CLIP |
| 7501-7201091002 | CLIP |
| 7572-7058110193 | O-RING 42.52x2.62 |
| 7573-7002110156 | O-RING 12.37x2.62 |
| 7578-70631101C6 | D202, 8X209,86X3.53 O RING |
| 7579-70631101C7 | D152X159, 06X3.53 O RING |
| 7650-7202121902 | PUMP PTO COVER |
| 7651-7202121904 | PUMP PTO COVER (QUICK COUPLER) |
| 7652-7202121913 | PTO GUARD |
| 7671-7015140309 | WASHER 10.5x18x2 |
| 7700-7201160322 | DELIVERY OUTLET PLUG |
| 7750-7201180406 | BOLT M10x20 |
| 7751-7201180407 | BOLT M10x25 |
| 7900-7203180504 | BOLT M10x20 |
| 7948-Not listed | |
| 8113-7003090334 | SIDE DIAPHRAGM DESMOPAN |
| 8141-4036870315 | SUCTION ACC KIT |
| 8151-7045120263 | MOUNTING BRACKETS |
| 8152-7045120264 | MOUNTING BRACKETS |
| 8160-7063120265 | KAPPA 125 PLATE |
| 8161-7063120266 | KAPPA 125 PLATE |
| TAV72GB | TAV 72 GEARBOX |



Goldacres carries an extensive range of Bertolini parts, however complete Bertolini pumps are not available.

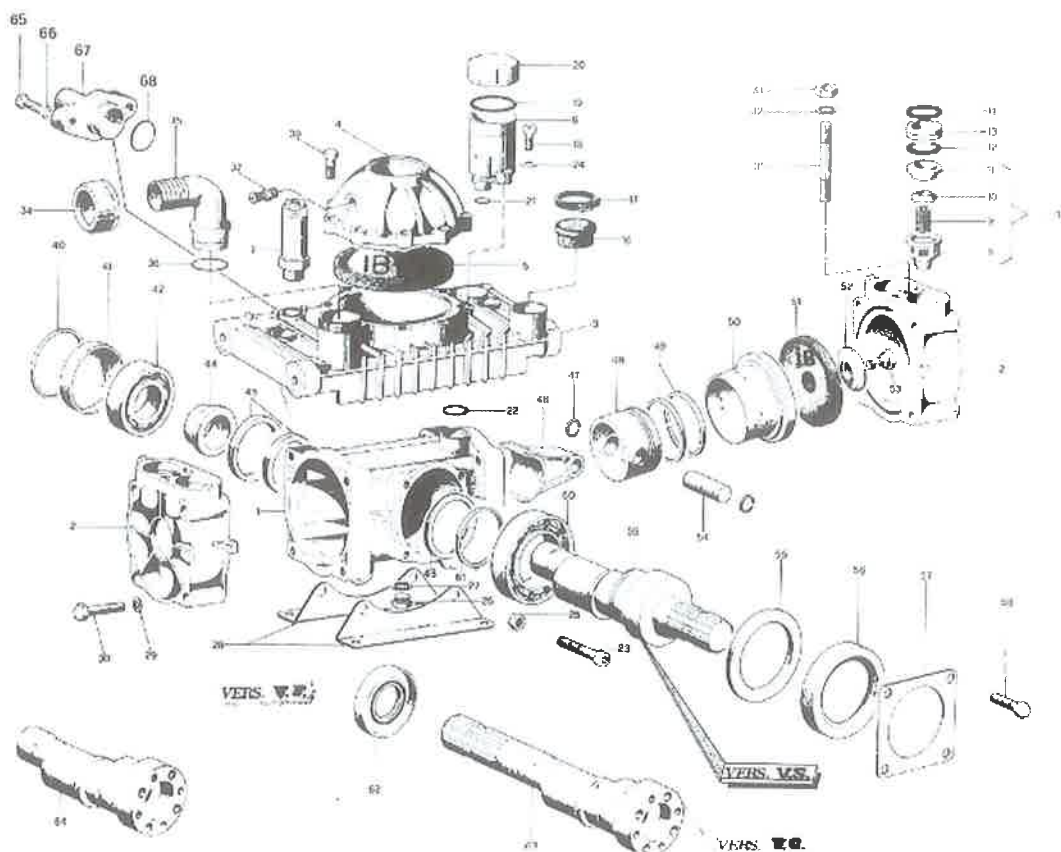
SR20



| Pos. | Codice Part. No. | N. Pezzi Q.ty | Denominazione Description |
|------|---------------------|---------------------|------------------------------|
| 1 | 94.0001.09.2 | 1 | CARTER POMPA |
| 2 | 94.0047.76.2 | 2 | ANELLO BIELLE |
| 3 | 94.0005.09.2 | 1 | COPPIA DI BIELLE |
| 4 | 94.0017.08.2 | 2 | PISTONE D.42 |
| 5 | 85.2004.00.2 | 2 | SPINOTTO D.10X35 |
| 6 | 80.0003.00.2 | 4 | ANELLO D.10 PER FORO |
| 7 | 94.0007.01.2 | 2 | CAMICIA D.42 |
| 8 | 94.0040.31.2 | 2 | MEMBRANA PISTONE |
| 9 | 94.0036.32.2 | 2 | PIATTELLO MEMBRANA |
| 10 | 94.0048.43.2 | 2 | VITE FISSAGGIO MEMBRANA |
| 11 | 94.0002.09.2 | 2 | TESTATA POMPA |
| 12 | 86.2796.00.2 | 12 | VITE TCEI M 8X40 |
| 13 | 80.3181.00.2 | 4 | OR D. 2.62X15,54 |
| 14 | 94.0014.32.2 | 1 | COLLETTORE |
| 15 | 80.3088.00.2 | 1 | OR D. 2X15 |
| 16 | 84.1582.00.2 | 1 | RACCORDO D. 18 |
| 17 | 82.0044.00.2 | 1 | GALLETTO M 26 |
| 18 | 94.0075.66.2 | 1 | PASTIGLIA APPOGGIO |
| 19 | 94.0004.09.2 | 1 | ACCUMULATORE INFERIORE |
| 20 | 94.0041.31.2 | 1 | MEMBRANA ACCUMULATORE |
| 21 | 94.0003.09.2 | 1 | ACCUMULATORE SUPERIORE |
| 22 | 81.7537.00.2 | 1 | FASCIETTA D.33 |
| 23 | 81.4574.00.2 | 4 | DADO M 8 |
| 25 | 86.1605.00.2 | 1 | VALVOLA ARIA |
| 26 | 84.3642.90.2 | 1 | ROSETTA D.8,1 |
| 27 | 94.0043.32.2 | 1 | SERBATOIO OLIO |
| 28 | 94.0044.31.2 | 1 | COPERCHIO SERBATOIO |
| 31 | 84.3685.00.2 | 6 | ROSETTA D.8 |
| 41 | 80.3219.00.2 | 4 | OR D. 3X25 |
| 49 | 82.4154.00.2 | 4 | GUARNIZIONE D.30 |
| 51 | 94.9828.97.3 | 4 | GR. VALVOLA ASP.MAND. |
| 52 | 94.0091.98.2 | 2 | TAPPO MANDATA |
| 53 | 86.2458.00.2 | 1 | VITE TCEI M 8X12 |
| 54 | 94.0080.72.2 | 1 | GUARNIZIONE CARTER |
| 55 | 94.0090.98.2 | 4 | TAPPO ASPIRAZIONE |



PA608



| Pos. | Codice Part. No. | Denominazione Description | 508 | | | 608 | | |
|------|---------------------|--------------------------------|------|------|------|------|------|------|
| | | | V.S. | V.F. | V.C. | V.S. | V.F. | V.C. |
| 1 | 17.0103.09.2 | CARTER POMPA | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 95.0142.09.2 | TESTATA POMPA | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 17.9820.97.3 | GR. COLLETORE A/M | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | 93.0152.09.2 | ACCUMULATORE SUPERIORE | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 93.0041.31.2 | MEMBRANA ACCUMULATORE | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 17.0110.32.2 | SEMPATOIO C.O. | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 93.0094.97.2 | GR. VALVOLA DI SICUREZZA | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 90.3380.09.2 | OR 6X24 | 4 | 4 | 4 | 4 | 4 | 4 |
| 13 | 17.0321.53.2 | DISTANZIALE | 2 | 2 | 2 | 2 | 2 | 2 |
| 14 | 90.3212.09.2 | OR D. 2.9X29.82 | 2 | 2 | 2 | 2 | 2 | 2 |
| 15 | 93.9806.97.3 | GR. VALVOLA A/M | 4 | 4 | 4 | 4 | 4 | 4 |
| 16 | 93.0021.31.2 | MEMBRANA SOFFIETTO | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 91.7522.99.2 | STRINGITUBO N.4 AB | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 96.2730.09.2 | VITE TCEI M8X35 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 90.3208.20.2 | OR 2.62X34.6 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 | 85.2744.09.2 | TAPPO 1"1/4 FEMMINA | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 | 90.3217.09.2 | OR 3X14 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22 | 90.3503.09.2 | OR 4X17 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 | 85.3575.09.2 | VITE TCEI M10X75 | 2 | 2 | 2 | 2 | 2 | 2 |
| 24 | 84.3685.09.2 | ROSETTA D.8.4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 | 81.4642.09.2 | DADO M10 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 | 85.2543.59.2 | TAPPO G. 1/4X9 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 | 92.4079.09.2 | GUARNIZIONE D.13.2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 93.0024.61.2 | PIEDINO POMPA | 2 | 2 | 2 | 2 | 2 | 2 |
| 29 | 84.3801.09.2 | ROSETTA D.10.5 | 8 | 8 | 8 | 8 | 8 | 8 |
| 30 | 96.3562.50.2 | VITE TCEI M10X70 DACROMET 12 K | 8 | 8 | 8 | 8 | 8 | 8 |
| 31 | 93.8662.09.2 | PRIGIONIERO M12X55 | 2 | 2 | 2 | 2 | 2 | 2 |
| 32 | 94.3844.09.2 | ROSETTA D.12 | 2 | 2 | 2 | 2 | 2 | 2 |
| 33 | 81.4694.09.2 | DADO M12 | 2 | 2 | 2 | 2 | 2 | 2 |
| 34 | 92.0067.50.2 | GALLETTO G. 1-1/4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | 94.0560.09.2 | RACCORDO A 90° D.30 | 1 | 1 | 1 | 1 | 1 | 1 |
| 36 | 90.3219.09.2 | OR 3X25 | 1 | 1 | 1 | 1 | 1 | 1 |
| 37 | 96.1605.09.2 | VALVOLA ARIA | 1 | 1 | 1 | 1 | 1 | 1 |
| 38 | 98.2741.09.2 | VITE TCEI M8X35 | 10 | 10 | 10 | 10 | 10 | 10 |
| 40 | 90.1422.09.2 | ANELLO D.72 PER FORO | 1 | 1 | 1 | 1 | 1 | 1 |

| Pos. | Codice Part. No. | Denominazione Description | 508 | | | 608 | | |
|------|---------------------|--------------------------------|------|------|------|------|------|------|
| | | | V.S. | V.F. | V.C. | V.S. | V.F. | V.C. |
| 41 | 90.2156.09.2 | CAPPELLOTTA D.72X10 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42 | 91.2846.09.2 | CUSCINETTO A SFERE 6207 | 1 | 1 | 1 | 1 | 1 | 1 |
| 43 | 17.0027.76.2 | DISTANZIALE SPALLAMENTO BIELLA | 1 | 1 | 1 | 1 | 1 | 1 |
| 44 | 93.0037.09.2 | DISTANZIALE | 1 | 1 | 1 | 1 | 1 | 1 |
| 45 | 93.0047.76.2 | ANELLO BIELLE | 2 | 2 | 2 | 2 | 2 | 2 |
| 46 | 17.0006.09.2 | COPPIA BIELLE | 1 | 1 | 1 | 1 | 1 | 1 |
| 47 | 90.0021.09.2 | ANELLO PER FORO D.15 | 4 | 4 | 4 | 4 | 4 | 4 |
| 48 | 17.0109.08.2 | PISTONE D.62 | 2 | 2 | 2 | 2 | 2 | 2 |
| 49 | 91.8514.09.2 | FASCIA ELASTICA D.62 | 4 | 4 | 4 | 4 | 4 | 4 |
| 50 | 93.0123.01.2 | CAMICIA D.62 | 2 | 2 | 2 | 2 | 2 | 2 |
| 50 | 93.0124.01.2 | CAMICIA D.62 | 1 | 1 | 1 | 1 | 1 | 1 |
| 51 | 95.0040.31.2 | MEMBRANA PISTONE | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 | 95.0036.32.2 | PIATTELLO MEMBRANA | 2 | 2 | 2 | 2 | 2 | 2 |
| 53 | 96.2601.09.2 | VITE FISSAGGIO MEMBRANA | 2 | 2 | 2 | 2 | 2 | 2 |
| 54 | 95.2007.09.2 | SPINOTTO D.15X54 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55 | 17.0024.76.2 | DISTANZIALE ANELLO DI TENUTA | 1 | 1 | 1 | 1 | 1 | 1 |
| 56 | 90.2264.10.2 | ANELLO D.69X90X10 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | 17.0013.61.2 | COPPERCHIO P.D.F. | 1 | 1 | 1 | 1 | 1 | 1 |
| 58 | 96.3206.09.2 | VITE TE M10X20 | 4 | 4 | 4 | 4 | 4 | 4 |
| 59 | 93.0132.26.2 | ALBERO ECCENTRICO "VS" | 1 | 1 | 1 | 1 | 1 | 1 |
| 59 | 93.0126.26.2 | ALBERO ECCENTRICO "VS" | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 | 91.2972.09.2 | CUSCINETTO A SFERE 6011 | 1 | 1 | 1 | 1 | 1 | 1 |
| 61 | 90.1377.09.2 | ANELLO SEEGER D.55 ALBERO | 1 | 1 | 1 | 1 | 1 | 1 |
| 62 | 90.2161.59.2 | ANELLO RAD. D.35X72X10 "VC" | 1 | 1 | 1 | 1 | 1 | 1 |
| 63 | 93.0134.26.2 | ALBERO ECCENTRICO "VC" | 1 | 1 | 1 | 1 | 1 | 1 |
| 63 | 93.0127.26.2 | ALBERO ECCENTRICO "VC" | 1 | 1 | 1 | 1 | 1 | 1 |
| 64 | 93.0131.26.2 | ALBERO ECCENTRICO "VF" | 1 | 1 | 1 | 1 | 1 | 1 |
| 65 | 96.2190.09.2 | VITE TE M6X22 | 2 | 2 | 2 | 2 | 2 | 2 |
| 66 | 84.3585.09.2 | ROSETTA D.6.4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 67 | 31.0268.28.2 | RACCORDO G.1/2 MASCHIO | 1 | 1 | 1 | 1 | 1 | 1 |
| 68 | 90.3219.09.2 | OR 3X25 | 1 | 1 | 1 | 1 | 1 | 1 |
| 69 | 31.1193.28.2 | RACCORDO G.1/2 NPT MASCHIO | 1 | 1 | 1 | 1 | 1 | 1 |



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FIGURE 1:

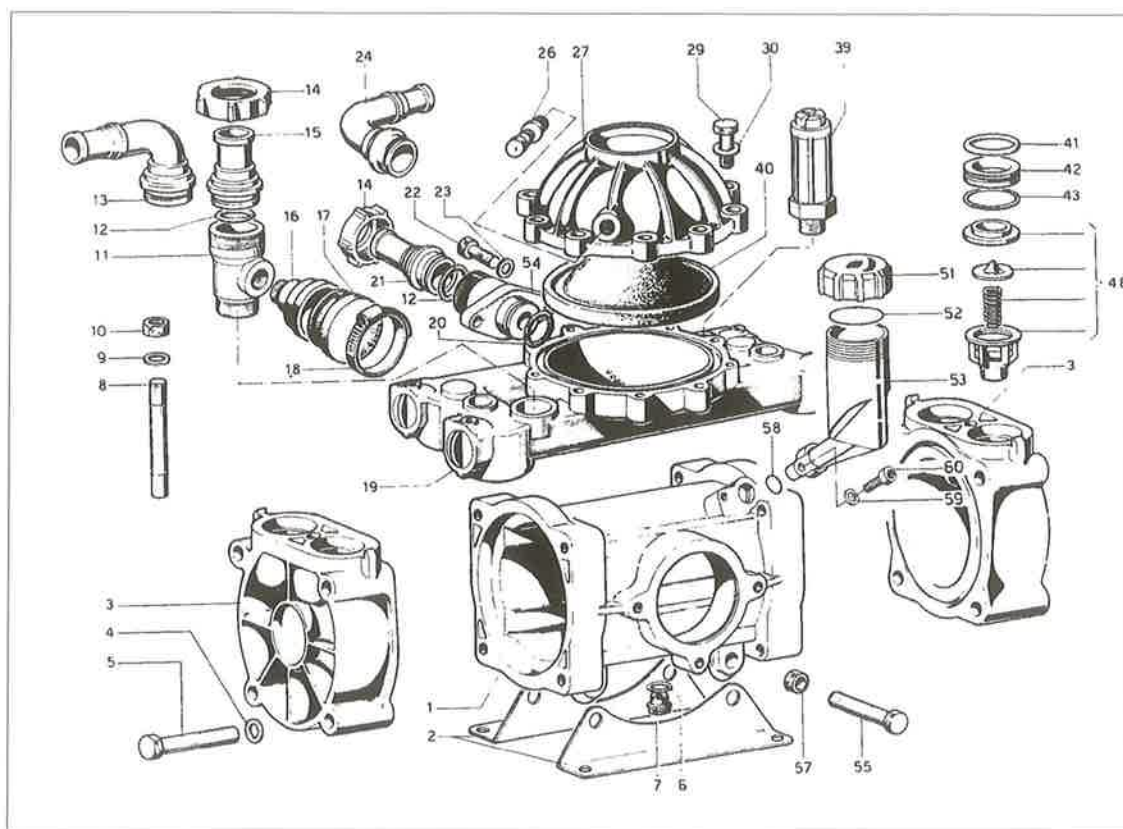
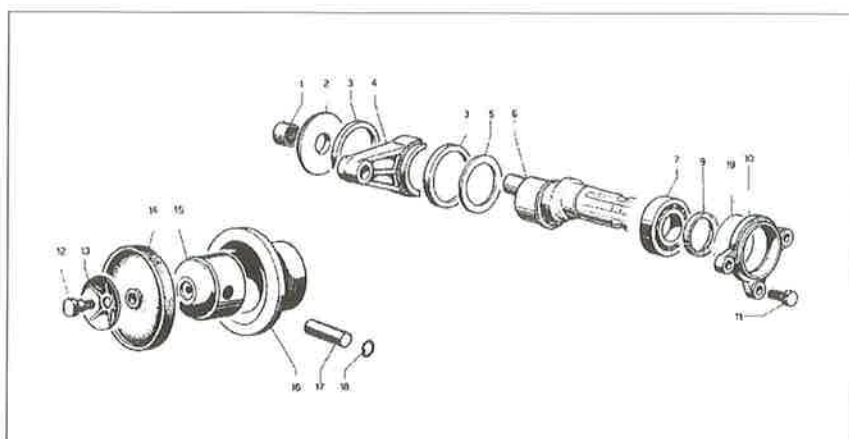


FIGURE 2:





SD67

FIGURE 1:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|---------------------|
| 1 | 960101092 | Pump Housing |
| 2 | 930024612 | Mounting Bracket |
| 3 | 950002092 | Cylinder Head |
| 4 | 843801002 | Washer 10.5 |
| 5 | 863566002 | Bolt M10x70 |
| 6 | 824079002 | Washer 13.2 |
| 7 | 852543502 | Plug 1/4"x9 |
| 8 | 838662002 | Bolt M12x55 |
| 9 | 843844002 | Washer 12 |
| 10 | 814694002 | Nut M12 |
| 11 | 190015322 | Pulsator Tee |
| 12 | 803200002 | O Ring 22.22x2.62 |
| 13 | 840542002 | Hose Barb Elbow 25 |
| 14 | 820049002 | Nut M34 |
| 16 | 930019322 | Pulsator Manifold |
| 17 | 930021312 | Pulsator Cap |
| 18 | 817522902 | Pulsator Hose Clamp |
| 19 | 199810973 | Manifold |
| 20 | 803195002 | O Ring 20.24x2.62 |
| 21 | 841595002 | Hose Barb 14 |
| 22 | 862129002 | Bolt M6x18 |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 23 | 843585002 | Washer 6.4 |
| 24 | 840520002 | Hose Barb Elbow 14 |
| 26 | 861605002 | Air Valve |
| 27 | 930003092 | Upper Air Chamber |
| 29 | 862741002 | Bolt M8x35 |
| 30 | 843685002 | Washer 8 |
| 39 | 260094972 | Relief Valve |
| 40 | 930041312 | Air Diaphragm |
| 41 | 803207002 | O Ring 29.8x2.62 |
| 42 | 950020322 | Valve Spacer |
| 43 | 803320002 | O Ring 26x5 |
| 48 | 959821973 | Valve |
| 51 | 852744002 | Oil Bowl Cap |
| 52 | 803208202 | O Ring 34.6x2.62 |
| 53 | 960103322 | Oil Bowl |
| 54 | 960044322 | Delivery Flange Outlet |
| 55 | 863575002 | Bolt M10x75 |
| 57 | 814648002 | Nut M10 |
| 58 | 803176002 | O Ring 11.91x2.62 |
| 59 | 843542002 | Washer 5.3 |
| 60 | 861933002 | Bolt M5x14 |

FIGURE 2:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 812609002 | Bearing DHK 2020 |
| 2 | 190025412 | Thrust Washer |
| 3 | 930047762 | Con Rod Retaining Ring |
| 4 | 950009092 | Con Rod |
| 5 | 170026762 | Spacer Ring |
| 6 | 960032262 | Eccentric Shaft |
| 7 | 812837002 | Bearing 6007 |
| 9 | 802143102 | Oil Seal 35x52x7 |
| 10 | 960102072 | Bearing Support Flange |
| 11 | 862555002 | Bolt M8x20 |
| 12 | 862601002 | Diaphragm Bolt M8x21 |
| 13 | 950036322 | Diaphragm Washer |
| 14 | 950040312 | Side Diaphragm |
| 15 | 950010082 | Piston |
| 16 | 950006012 | Cylinder Liner |
| 17 | 852007002 | Gudgeon Pin 54x15 |
| 18 | 800021002 | Gudgeon Pin Circlip 15 |
| 19 | 803210202 | O Ring 60x2.6 |



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FIGURE 3:

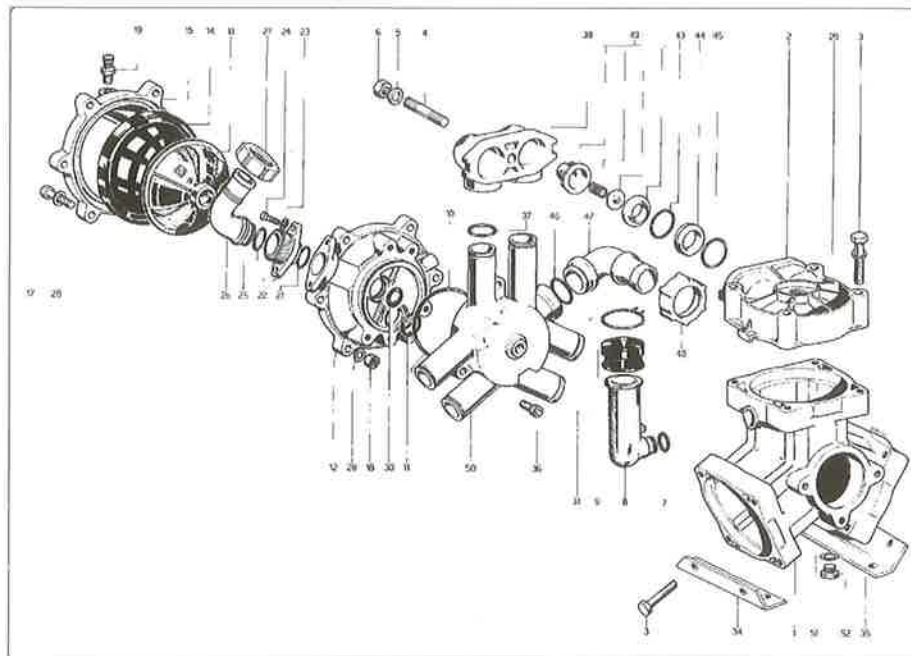
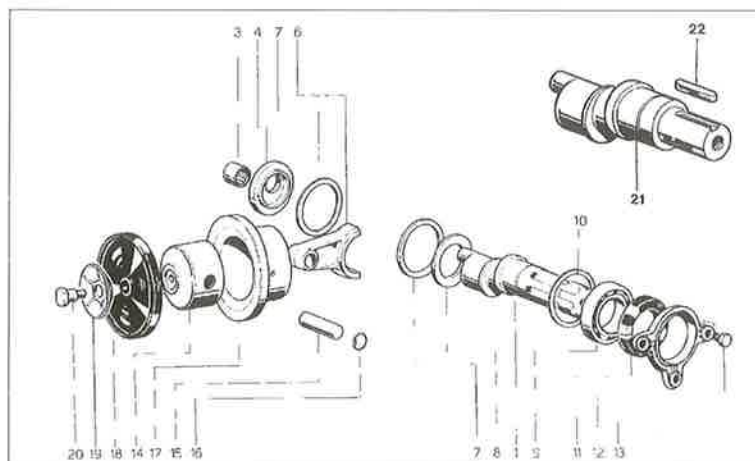


FIGURE 4:





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FIGURE 3:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|-------------------|
| 1 | 95000109 | Pump Housing |
| 2 | 950002092 | Cylinder Head |
| 3 | 86356600 | Bolt M10 x 70 |
| 4 | 83866200 | Bolt |
| 5 | 84384400 | Washer |
| 6 | 81468920 | Nut M12 |
| 7 | 80317800 | O Ring |
| 8 | 95004332 | Oil Bowl |
| 9 | 95004431 | Oil Bowl Cap |
| 10 | 80322100 | O Ring 70.5 x 3 |
| 11 | 80321800 | O Ring 22 x 3 |
| 12 | 95000409 | Lower Air Chamber |
| 13 | 95001632 | Air Chamber Liner |
| 14 | 950041312 | Air Diaphragm |
| 15 | 950003092 | Upper Air Chamber |
| 17 | 86288100 | Bolt M8 x 50 |
| 18 | 81457400 | Nut M8 |
| 19 | 86160500 | Air Valve |
| 21 | 80321800 | O Ring 22 x 3 |
| 22 | 96004432 | Flange |
| 23 | 84358500 | Washer |
| 24 | 86212900 | Bolt M6 x 18 |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|----------|----------------------|
| 25 | 80320000 | O Ring 130 |
| 26 | 84054200 | Hose Barb Elbow 90' |
| 27 | 82004900 | Nut M34 x 2 |
| 28 | 84368500 | Washer |
| 29 | 84380100 | Washer |
| 30 | 80319800 | O Ring 128 |
| 31 | 81754900 | Clamp |
| 34 | 33002361 | Mounting Bracket - R |
| 35 | 33002461 | Mounting Bracket - L |
| 37 | 80321800 | O Ring 22 x 3 |
| 38 | 95001809 | Valve Housing |
| 43 | 80332000 | O Ring 26 x 5 |
| 44 | 95002032 | Valve Spacer |
| 45 | 80320700 | O Ring 3118 |
| 46 | 80321900 | O Ring 25 x 3 |
| 47 | 84056000 | Hose Barb Elbow |
| 48 | 82006700 | Nut |
| 49 | 96980597 | Valve |
| 50 | 95001432 | Manifold |
| 51 | 82407900 | Oil Bowl Cap Seal |
| 52 | 85254200 | Plug 1/4" |

FIGURE 4:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|----------|------------------------|
| 1 | 96003226 | Eccentric Shaft |
| 3 | 81260900 | Bearing DHK2020 |
| 4 | 19002541 | Thrust Washer |
| 6 | 33000509 | Con Rod |
| 7 | 93004776 | Con Rod Retaining Ring |
| 8 | 17002676 | Thrust Washer |
| 9 | 81283700 | Bearing 6007 |
| 10 | 85011700 | Spacer |
| 11 | 80215210 | Seal 35 x 62 x 10 |
| 12 | 95001332 | Bearing Support Flange |
| 13 | 86255500 | Bolt M8 x 20 |
| 14 | 95001008 | Piston |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|---------------------------|
| 15 | 85200700 | Gudgeon Pin |
| 16 | 80002100 | Circlip |
| 17 | 95000601 | Cylinder Liner |
| 18 | 950040312 | Diaphragm |
| 19 | 95003632 | Diaphragm Washer |
| 20 | 86260100 | Bolt M8 x 21 |
| 21 | 96003526 | Eccentric Shaft |
| 22 | 80647500 | Keyshaft 6.35 x 6.35 x 38 |



SD105/120

FIGURE 3A:

105-120/SD

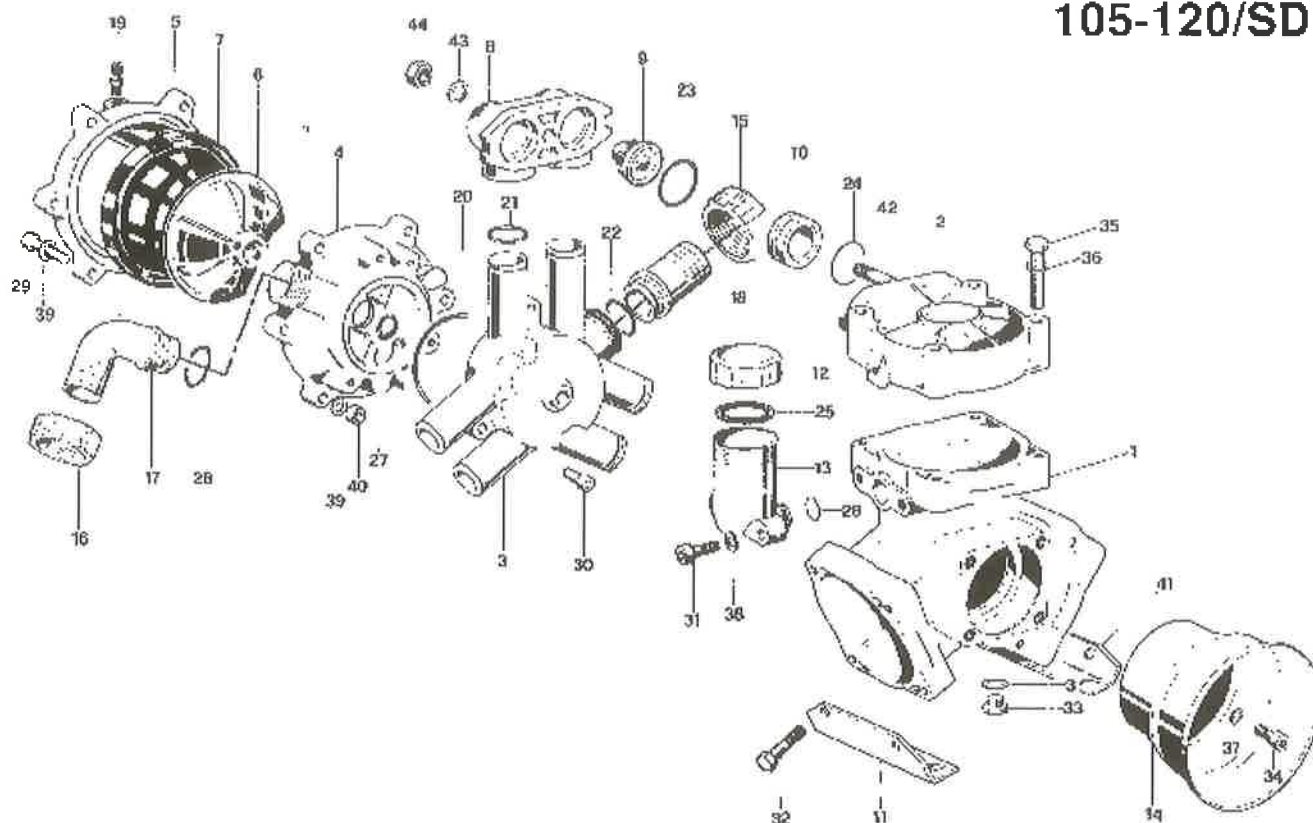
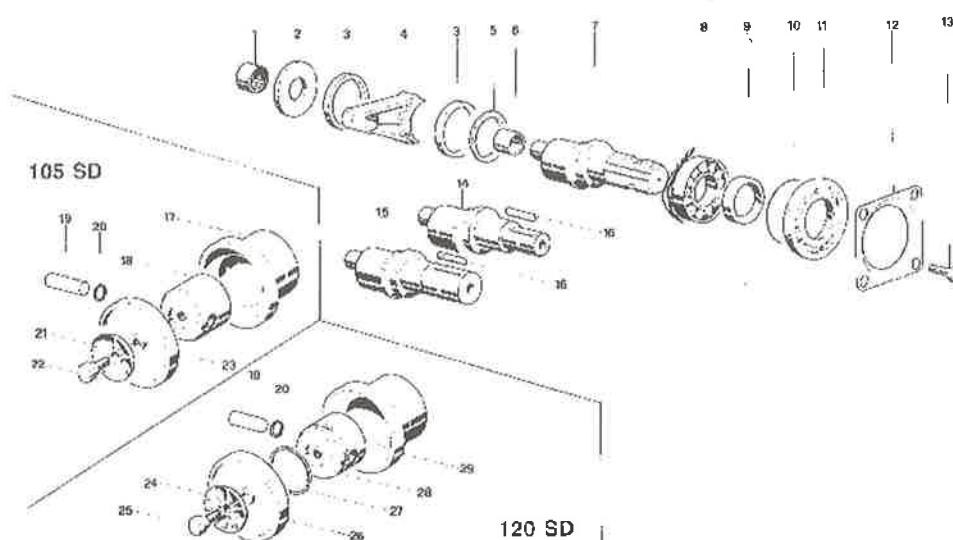


FIGURE 4A:

105-120/SD



105 SD

120 SD



SD105/120

FIGURE 3A:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|-------------------|
| 1 | 950100092 | Pump Housing |
| 2 | 950002092 | Cylinder Head |
| 3 | 950190322 | Manifold Housing |
| 4 | 950214322 | Lower air chamber |
| 5 | 950003092 | Upper air chamber |
| 6 | 950016322 | Air chamber liner |
| 7 | 950041312 | Air diaphragm |
| 8 | 950018092 | Valve housing |
| 9 | 959821973 | Valve |
| 10 | 950020322 | Valve spacer |
| 11 | 330023612 | RH mount bracket |
| 12 | 852750002 | Oil bowl cap |
| 13 | 230008322 | Oil bowl |
| 14 | 311110322 | PTO cover |
| 15 | 820070002 | Nut |
| 16 | 820045002 | Nut 1" |
| 17 | 840542002 | 90° Elbow D25 1" |
| 18 | 840561002 | Hosetail D30 |
| 19 | 861605002 | Air valve |
| 20 | 803221002 | O Ring 3x71 |
| 21 | 803218002 | O Ring 3x22 |
| 22 | 803219102 | O Ring 3x30 |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|---------------------|
| 23 | 803320002 | Valve O Ring 5x26 |
| 24 | 803207002 | O Ring 2.62x29,82 |
| 25 | 824120002 | Oil bowl cap O ring |
| 26 | 803180002 | Bowl O ring |
| 27 | 803217502 | O Ring 3x19 |
| 28 | 803200002 | O Ring 2.62x22.22 |
| 29 | 862944002 | Bolt 6x60 |
| 30 | 862730502 | Bolt 8x30 |
| 31 | 862730502 | Bolt M8x3 |
| 32 | 824079002 | Bolt |
| 33 | 852543502 | Plug 1/4x9 |
| 34 | 863187502 | Bolt M10x18 |
| 35 | 863566002 | Bolt M10x70 |
| 36 | 843801502 | Washer 10.5 |
| 37 | 843812002 | Washer 10.5 |
| 38 | 843685502 | Washer 8 |
| 39 | 843685502 | Washer 8 |
| 40 | 814574502 | Nut M8 |
| 41 | 330024612 | LH mount bracket |
| 42 | 838662802 | Head stud |
| 43 | 843844002 | Washer |
| 44 | 814694002 | Bolt |

FIGURE 4A:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 812688002 | Bearing DHK2520 |
| 2 | 950097612 | Thrust washer |
| 3 | 930047762 | Con rod retaining ring |
| 4 | 330005092 | Con rod |
| 5 | 170027762 | Spacer ring |
| 6 | 812606002 | Shaft sleeve 20x25x20 |
| 7 | 950098262 | Eccentric shaft |
| 8 | 812846002 | Bearing 6207 |
| 9 | 802143002 | Oil seal 35x52x7 |
| 10 | 803287002 | O Ring 3.53x82.14 |
| 11 | 530007322 | Oil seal support |
| 12 | 170013612 | Bearing support |
| 13 | 863185002 | Bolt M10x16 |
| 14 | 950095262 | Eccentric shaft |
| 15 | 950099262 | Eccentric shaft |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 16 | 806475002 | Keyshaft |
| 17 | 950006012 | Cylinder liner |
| 18 | 950010082 | Piston |
| 19 | 852007002 | Gudgeon pin 54x15 |
| 20 | 800021002 | Gudgeon pin circlip 15 |
| 21 | 950036322 | Diaphragm washer |
| 22 | 862601002 | Bolt M8x21 |
| 23 | 950040312 | Diaphragm |
| 24 | 280036322 | Diaphragm washer |
| 25 | 863230102 | Bolt M8x20 |
| 26 | 950040312 | Diaphragm |
| 27 | 818530002 | Cylinder ring |
| 28 | 950101092 | Piston |
| 29 | 950102012 | Cylinder liner |



SD151



FIGURE 5:

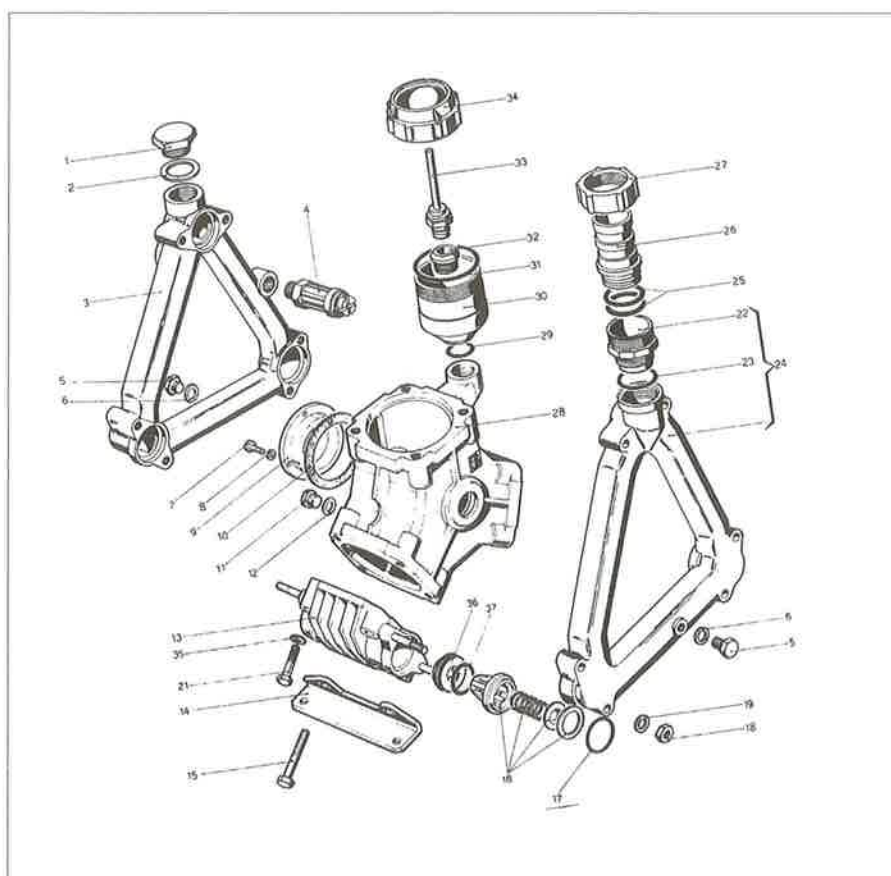
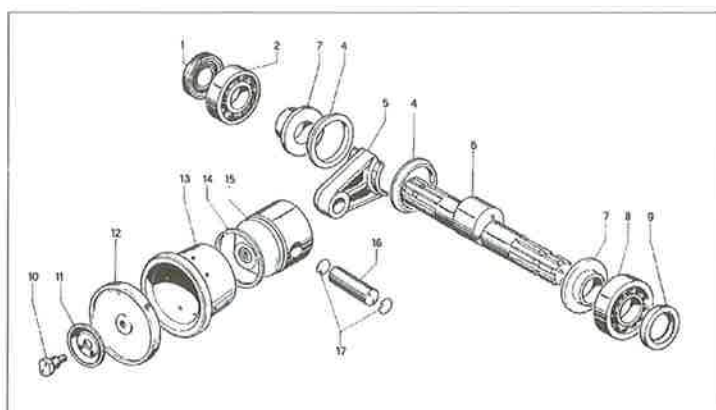


FIGURE 6:



**SD151****FIGURE 5:**

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 4 | 260094972 | Relief Valve |
| 7 | 862562502 | Bolt M8x20 |
| 8 | 843685502 | Washer 8 |
| 9 | 980108092 | Bearing Support Flange |
| 10 | 980110722 | Gasket |
| 12 | 824079002 | Washer 13.2 |
| 16 | 289809973 | Valve |
| 17 | 803314002 | O Ring 40x4.5 |
| 18 | 814574502 | Nut M8 |
| 19 | 843685500 | Washer 8 |
| 22 | 83509200 | Nipple M45xM55 |
| 26 | 84164210 | Hose Barb |
| 27 | 82010000 | Nut M55 |
| 28 | 270003072 | Pump Housing |
| 29 | 80320600 | O Ring 3112 |
| 30 | 28004332 | Oil Bowl |
| 31 | 80310920 | O Ring 67x1.8 |
| 32 | 98003748 | Oil Bowl Adaptor |
| 33 | 28004797 | Oil Bowl Stick |
| 34 | 28004432 | Oil Bowl Cap |
| 35 | 843844502 | Washer 12 |
| 36 | 28002932 | Valve Spacer |

FIGURE 6:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 802143102 | Oil Seal 35x52x7 |
| 2 | 812846002 | Bearing 6207 |
| 4 | 980047762 | Con Rod Retaining Ring |
| 5 | 280007112 | Con Rod |
| 6 | 280097262 | Eccentric Shaft |
| 7 | 280027092 | Shaft Sleeve |
| 9 | 802143102 | Oil Seal 35x52x7 |
| 10 | 280037512 | Diaphragm Bolt |
| 11 | 280036322 | Diaphragm Washer |
| 12 | 280040312 | Side Diaphragm |
| 13 | 280006012 | Cylinder Liner |
| 14 | 818540002 | Cylinder Ring |
| 15 | 280010082 | Piston |
| 16 | 852027002 | Gudgeon Pin |
| 17 | 800038002 | Gudgeon Pin Circlip |



POLYPUMP 120



FIGURE 7:

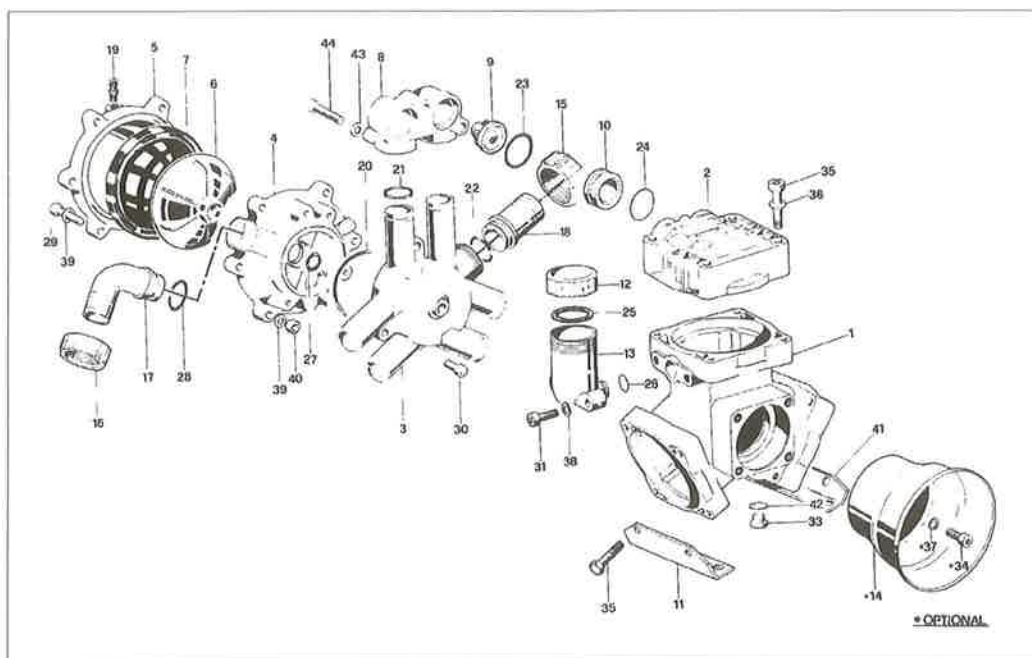
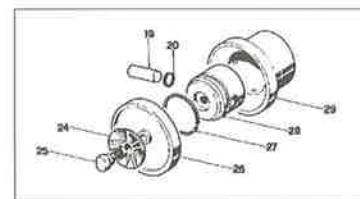
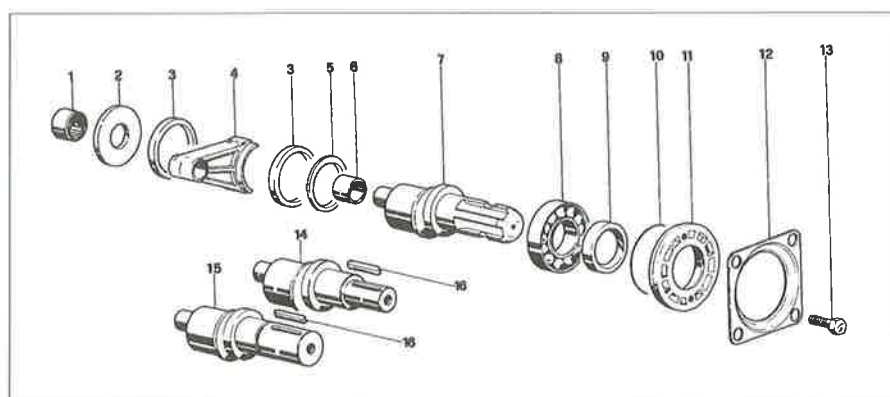


FIGURE 8:





POLYPUMP 120

FIGURE 7:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|----------------------|
| 1 | 950100092 | Pump Housing |
| 2 | 950215322 | Cylinder Head |
| 3 | 950190322 | Manifold |
| 4 | 950214322 | Lower Air Chamber |
| 5 | 950152092 | Upper Air Chamber |
| 6 | 950016322 | Air Chamber Liner |
| 7 | 950041312 | Air Diaphragm |
| 8 | 950216322 | Valve Housing |
| 9 | 959821973 | Valve |
| 10 | 950020322 | Valve Spacer |
| 11 | 330023612 | Mounting Bracket - L |
| 12 | 852750002 | Oil Bowl Cap |
| 13 | 230008322 | Oil Bowl |
| 14 | 311110322 | PTO Cover |
| 15 | 820070002 | Suction Nut 1 1/2" |
| 16 | 820045002 | Nut 1" |
| 17 | 840542002 | Hose Barb Elbow 25 |
| 18 | 840591002 | Hose Barb Elbow 40 |
| 18 | 840561002 | Hose Barb Elbow 30 |
| 19 | 861605002 | Air Valve |
| 20 | 803221002 | O Ring 71x3 |
| 21 | 803218002 | O Ring 22x3 |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|----------------------|
| 22 | 803219102 | O Ring 30x3 |
| 23 | 803320002 | O Ring 26x5 |
| 24 | 803207002 | O Ring 29.8x2.62 |
| 25 | 824120002 | Oil Bowl Cap Seal |
| 26 | 803180002 | O Ring 22x3 |
| 27 | 803217502 | O Ring 19x3 |
| 28 | 803200002 | O Ring 22.22x2.62 |
| 29 | 862944002 | Bolt M8x60 |
| 30 | 862730502 | Bolt M8x30 |
| 31 | 862730502 | Bolt M8x30 |
| 33 | 852543502 | Plug 1/4"x9 |
| 34 | 863187502 | Bolt M10x18 |
| 35 | 863562502 | Bolt M10x70 |
| 36 | 843801002 | Washer 10.5 |
| 37 | 843812002 | Washer 10.5 |
| 38 | 843685502 | Washer 8 |
| 39 | 843685502 | Washer 8 |
| 40 | 814574502 | Nut M8 |
| 41 | 330024612 | Mounting Bracket - R |
| 42 | 824079002 | Washer 13.2 |
| 43 | 843685502 | Washer 8 |
| 44 | 862910502 | Bolt M8x55 |

FIGURE 8:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 812688002 | Bearing DHK 2520 |
| 2 | 950097612 | Thrust Washer |
| 3 | 930047762 | Con Rod Retaining Ring |
| 4 | 330005092 | Con Rod |
| 5 | 170027762 | Spacer Ring |
| 6 | 812606002 | Shaft Sleeve 20x25x20 |
| 7 | 950098262 | Eccentric Shaft |
| 8 | 812846002 | Bearing 6207 |
| 9 | 802143102 | Oil Seal 35x52x7 |
| 10 | 803287002 | O Ring 82.14x3.53 |
| 11 | 530007322 | Oil Seal Support |
| 12 | 170013612 | Bearing Support Flange |
| 13 | 863185002 | Bolt M10x16 |

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 17 | 950006012 | Cylinder Liner |
| 18 | 950010082 | Piston |
| 19 | 852007002 | Gudgeon Pin 54x15 |
| 20 | 800021002 | Gudgeon Pin Circlip 15 |
| 22 | 862600002 | Diaphragm Bolt |
| 23 | 950040312 | Side Diaphragm |
| 24 | 950037322 | Diaphragm Washer |
| 25 | 863230102 | Diaphragm Bolt |
| 26 | 950040312 | Side Diaphragm |
| 27 | 818530002 | Cylinder Ring |
| 28 | 950101092 | Piston |
| 29 | 950102012 | Cylinder Liner |



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FIGURE 9:

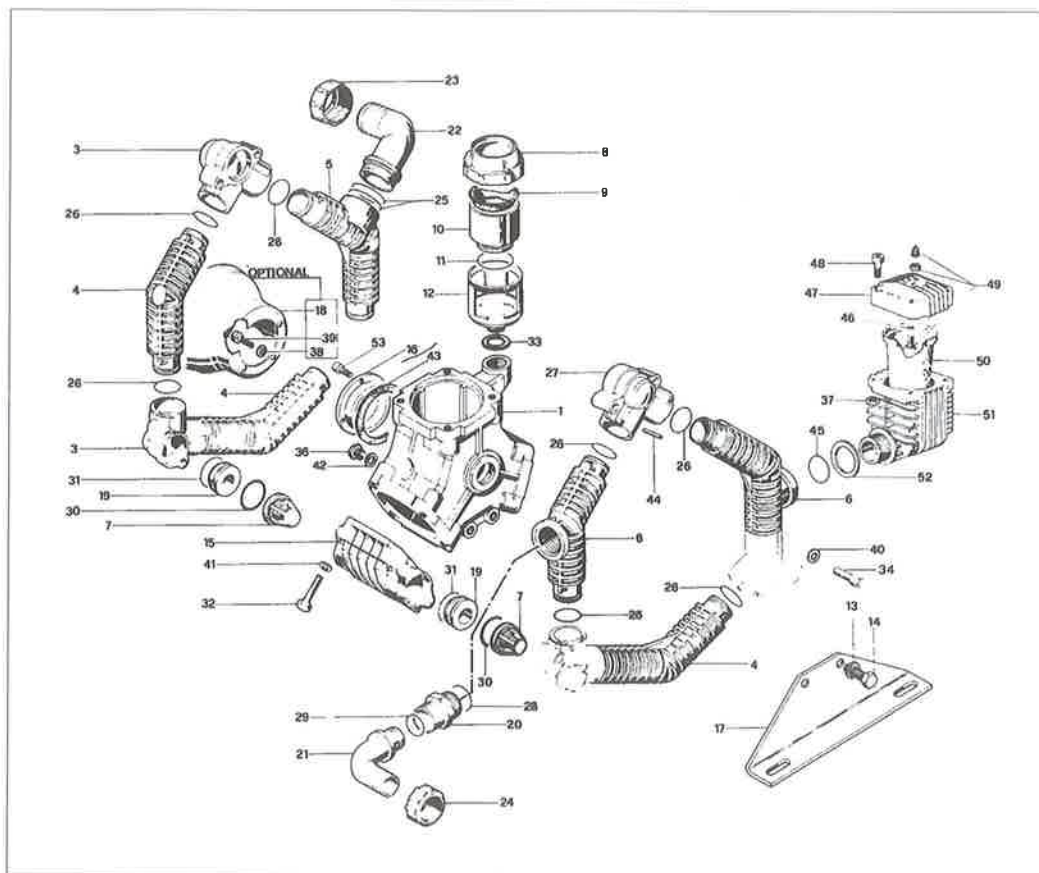
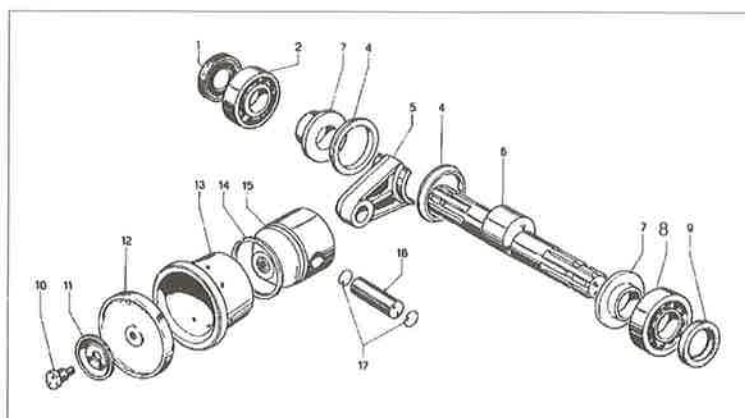


FIGURE 10:





POLYPUMP 160

FIGURE 9:

| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 270003072 | Pump Housing |
| 3 | 140004322 | Manifold End |
| 4 | 270032322 | Manifold |
| 5 | 270033322 | Manifold with Port |
| 6 | 270034322 | Manifold with Port |
| 7 | 289809973 | Valve |
| 8 | 280144322 | Oil Bowl Cap |
| 9 | 410017312 | Oil Bowl Seal |
| 10 | 410016322 | Oil Bowl |
| 11 | 803209402 | O Ring 44.12x2.62 |
| 12 | 920150092 | Oil Bowl Sleeve |
| 13 | 843844502 | Washer 12 |
| 14 | 863740502 | Bolt M12x30 |
| 15 | 280200322 | Valve Spacer |
| 16 | 980108092 | Bearing Support Flange |
| 17 | 270022612 | Mounting Bracket |
| 18 | 311110322 | PTO Cover |
| 19 | 280029322 | Valve Spacer |
| 20 | 835090002 | Nipple M42x2 |
| 21 | 840542402 | Hose Barb Elbow 25 |
| 22 | 840596002 | Hose Barb Elbow 45 |
| 23 | 820120002 | Nut M42 |
| 24 | 820067002 | Nut M42 |
| 25 | 803209102 | O Ring 30x3 |
| 26 | 803219202 | O Ring 35x3 |

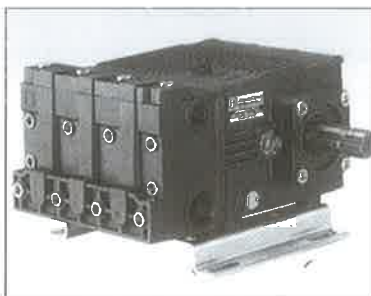
| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|-------------------|
| 27 | 270036322 | Manifold End |
| 28 | 803207002 | O Ring 29.8x2.62 |
| 29 | 803219002 | O Ring 25x3 |
| 30 | 803314002 | O Ring 40x4.5 |
| 31 | 803209402 | O Ring 44.12x2.62 |
| 32 | 864068002 | Bolt M12x75 |
| 33 | 824191002 | Washer 27x38x2 |
| 34 | 862860002 | Bolt M8x45 |
| 36 | 863690002 | Bolt M12x16 |
| 37 | 814574502 | Nut M8 |
| 40 | 843685502 | Washer 8 |
| 41 | 843844502 | Washer 12 |
| 42 | 824079002 | Washer 13.2 |
| 43 | 980110722 | Gasket |
| 44 | 851159002 | Pin 40x4 |
| 45 | 803247502 | O Ring 28.17x3.53 |
| 46 | 803213002 | O Ring 6x3 |
| 47 | 110004092 | Upper Air Chamber |
| 48 | 862752102 | Bolt M8x35 |
| 49 | 861608502 | Air Valve |
| 50 | 230041312 | Air Diaphragm |
| 51 | 270035322 | Lower Air Chamber |
| 52 | 270037462 | Washer 47x37x1.5 |
| 53 | 862562502 | Bolt M8x20 |

FIGURE 10:

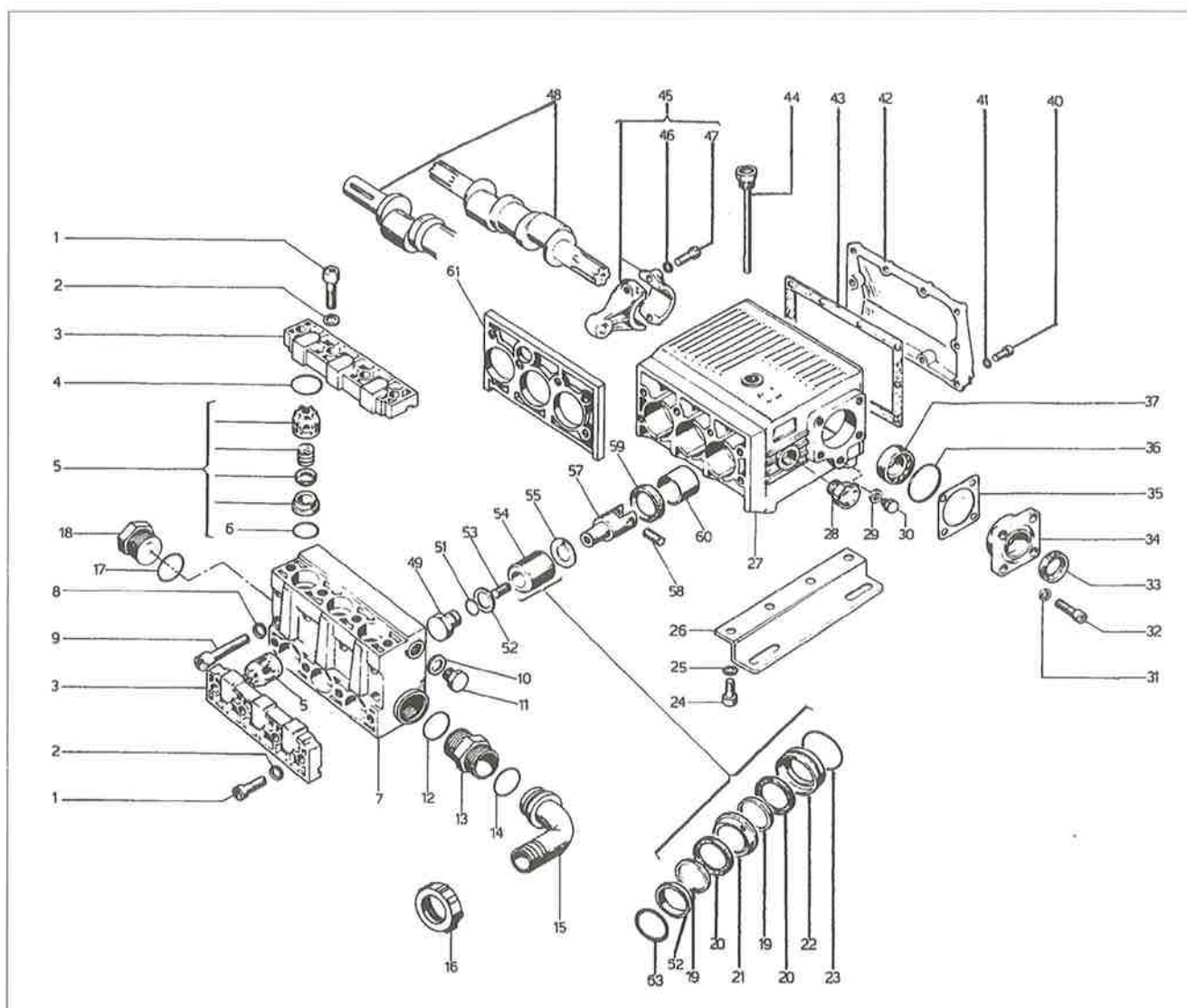
| POSITION NO. | PART NO. | DESCRIPTION |
|--------------|-----------|------------------------|
| 1 | 802143102 | Oil Seal 35x52x7 |
| 2 | 812846002 | Bearing 6207 |
| 4 | 980047762 | Con Rod Retaining Ring |
| 5 | 280007112 | Con Rod |
| 6 | 280097262 | Eccentric Shaft |
| 7 | 280027092 | Shaft Sleeve |
| 8 | 812867002 | Bearing 6307 |
| 9 | 802143102 | Oil Seal 35x52x7 |
| 10 | 280037512 | Diaphragm Bolt |
| 11 | 280036322 | Diaphragm Washer |
| 12 | 280040312 | Side Diaphragm |
| 13 | 280006012 | Cylinder Liner |
| 14 | 818540002 | Cylinder Ring |
| 15 | 280010082 | Piston |
| 16 | 852027002 | Gudgeon Pin |
| 17 | 800038002 | Gudgeon Pin Circlip |



PISTON PUMP C 133 P

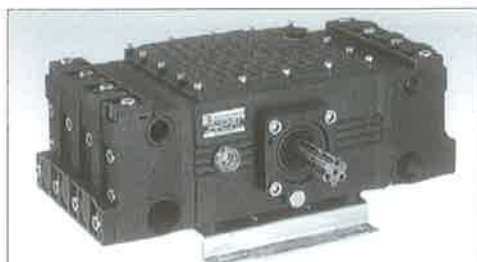


Order parts by position number, and pump make and model.

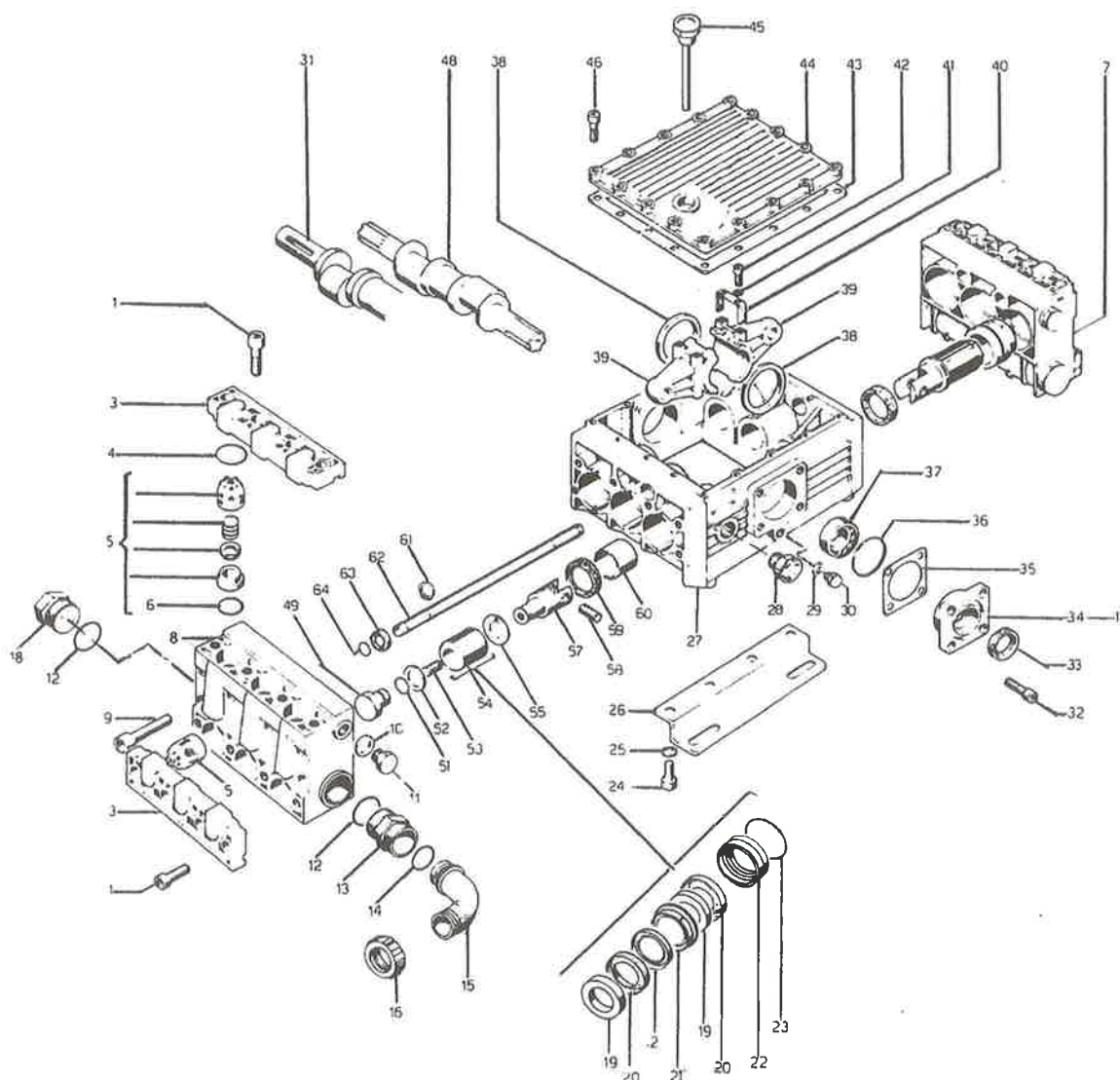




PISTON PUMP C 146 P

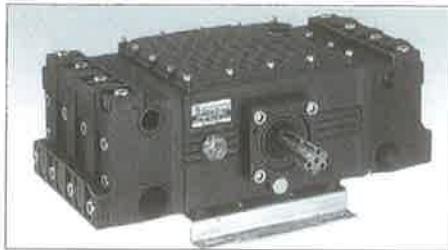


Order parts by position number,
and pump make and model.

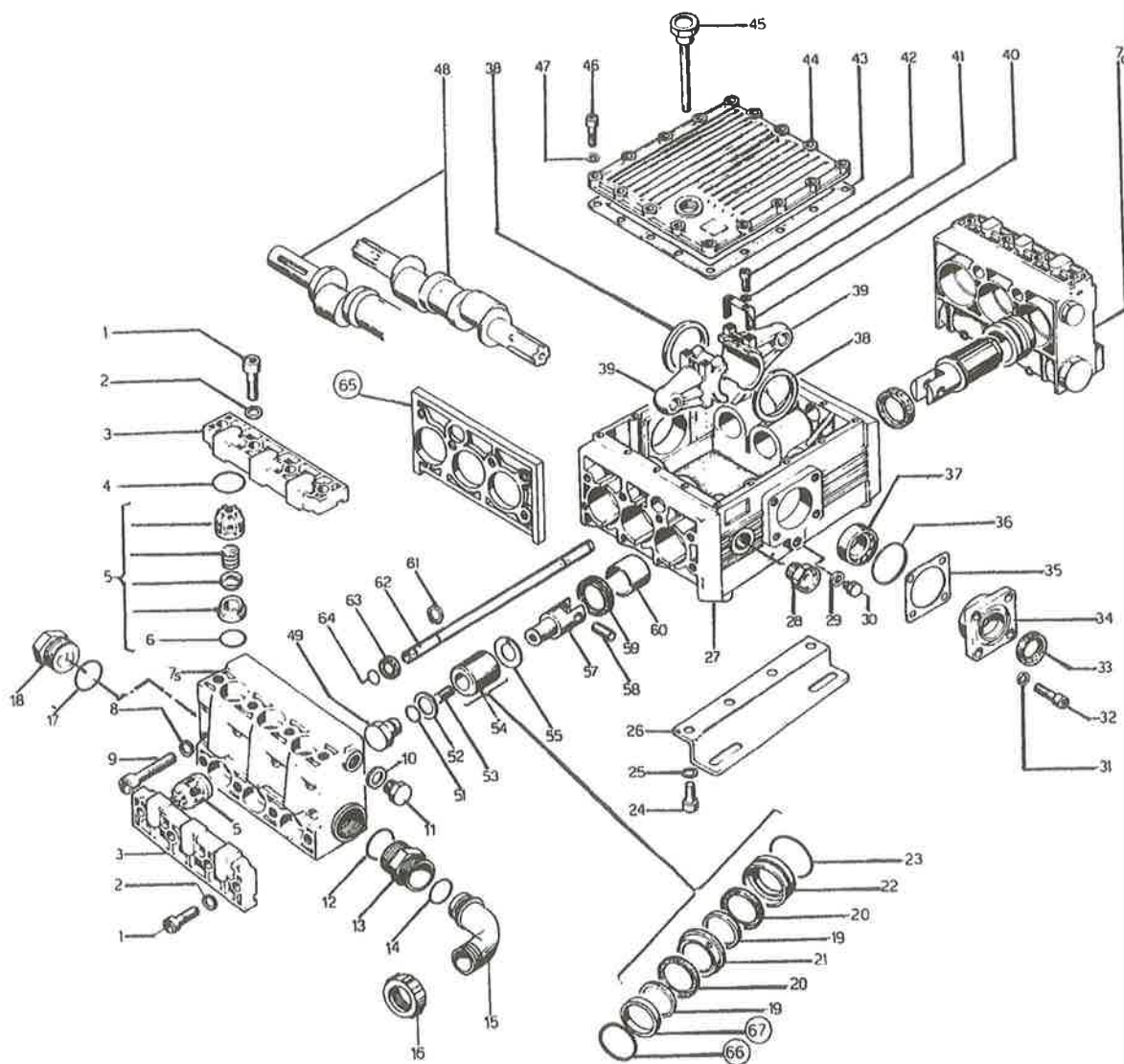




PISTON PUMP C 181 P



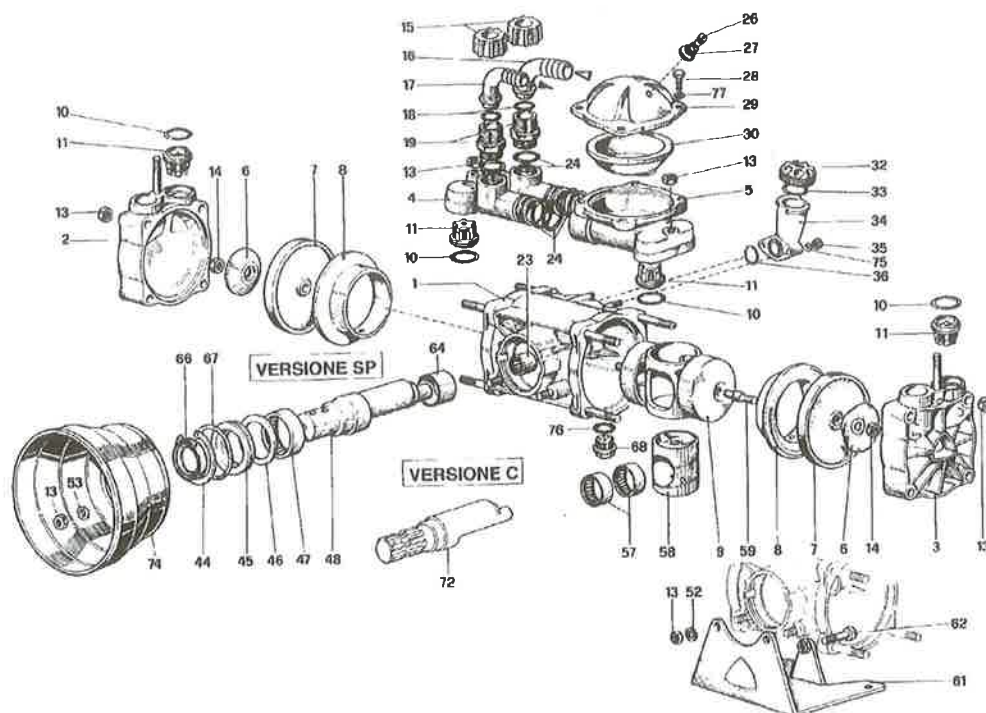
Order parts by position number,
and pump make and model.





Goldacres carries a limited range of AR parts.

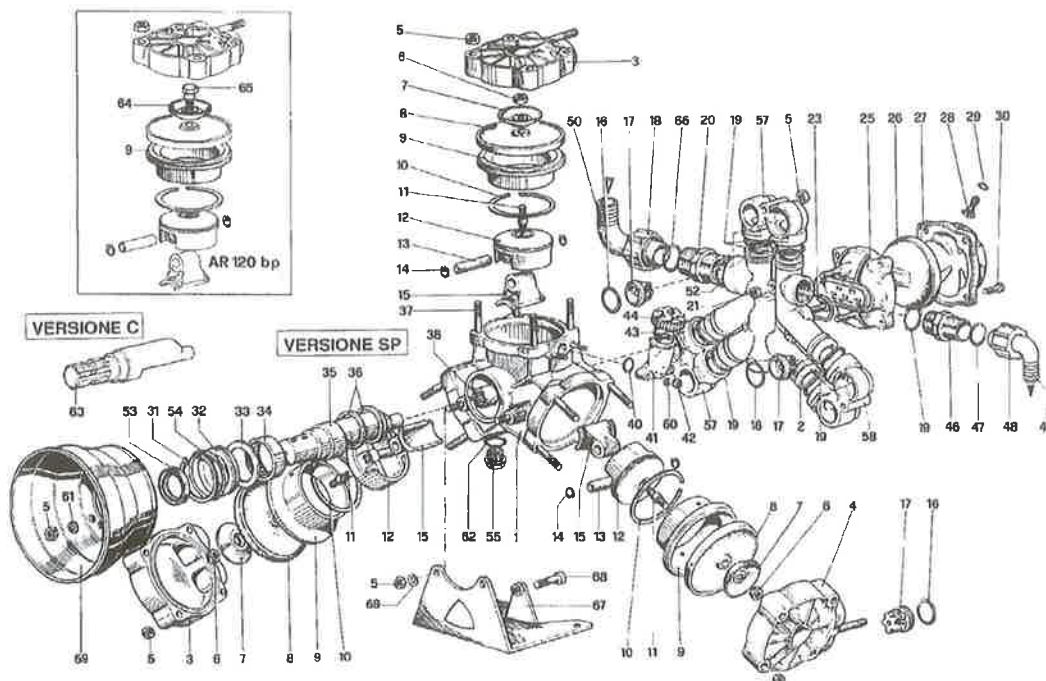
AR60



| pos. | codice code | DENOMINAZIONE DESCRIPTION | Q.tà Q.ty | pos. | codice code | DENOMINAZIONE DESCRIPTION | Q.tà Q.ty |
|------|-------------|---------------------------------|-----------|------|-------------|-------------------------------|-----------|
| 1 | 550010 | Corpo pompa | 1 | 33 | 550040 | OR Ø26,65x2,62 | 1 |
| 2 | 550101 | Testa valvole (destra) | 1 | 34 | 550030 | Serbatoio olio | 1 |
| 3 | 550102 | Testa valvole (sinistra) | 1 | 35 | 390440 | Dado M6 - 5587 | 2 |
| 4 | 550150 | Attacco aspirazione-mandata | 1 | 36 | 180101 | OR Ø17,5x2 | 1 |
| 5 | 550180 | Semisfera inferiore | 1 | 44 | 200391 | Anello seeger Ø62 | 1 |
| 6 | 580090 | Piatello richiamo | 2 | 45 | 550470 | Bussola anello tenuta | 1 |
| 7 | 550090 | Membrana gomma | 2 | 46 | 550070 | Rondella tenuta albero | 1 |
| 8 | 550085 | Membrana Desmopan (A RICHIESTA) | 2 | 47 | 550060 | Boccola a rullini HK5020 | 1 |
| 9 | 550110 | Camicia Ø75 | 2 | 48 | 550170 | Albero eccentrico SP | 1 |
| 10 | 550120 | Pistone Ø75 | 1 | 52 | 200231 | Grower Ø10,5 | 2 |
| 11 | 320030 | OR Ø31,5x4,5 | 4 | 53 | 320620 | Rosetta Ø10,5x21x2 | 2 |
| 12 | 559050 | Valvola completa | 4 | 57 | 550280 | Boccola a rullini HK3516 | 2 |
| 13 | 180150 | Dado M10 - 5587 | 12 | 58 | 550140 | Cilindro traina pistone | 1 |
| 14 | 550131 | Dado M10 | 2 | 59 | 550270 | Perno membrana | 2 |
| 15 | 550242 | Girello 1"G | 2 | 61 | 580080 | Piede corpo pompa | 1 |
| 16 | 550370 | Curva Ø25 | 1 | 62 | 540300 | Vite TCEI M10x30 | 1 |
| 17 | 550380 | Curva Ø19 | 1 | 64 | 550160 | Distanziale | 1 |
| 18 | 550350 | ORØ23,81x2,62 | 2 | 66 | 550491 | Anello tenuta 45x55x7 | 1 |
| 19 | 550340 | Nipples 1"G(M)-1"G(M) | 2 | 67 | 650920 | OR Ø53,65x2,62 | 1 |
| 23 | 550310 | Boccola a rullini HK2020 | 1 | 68 | 130171 | Tappo 3/8"G (già COD.30171) | 1 |
| 24 | 390290 | OR Ø29x3 | 6 | 72 | 550173 | Albero eccentrico C (cardano) | 1 |
| 26 | 550300 | Valvola di montaggio | 1 | 74 | 540660 | Protezione cardano (OPTIONAL) | 1 |
| 27 | 650542 | Guarnizione | 1 | 75 | 550331 | Rosetta Ø6,5x12,5x1,5 | 2 |
| 28 | 550680 | Vite TE M8x20 | 4 | 76 | 740290 | OR Ø14x1,78 | 1 |
| 29 | 550230 | Semisfera superiore rossa | 1 | 77 | 961340 | Rosetta Ø8,5 | 4 |
| 30 | 550190 | Semicamera aria gomma | 1 | | | | |
| 32 | 550050 | Tappo serbatoio | 1 | | | | |



AR100 & AR120



| pos. | codice code | DENOMINAZIONE DESCRIPTION | Q.tà Q.ty |
|------|-------------|------------------------------------|-----------|
| 1 | 580010 | Corpo pompa | 1 |
| 2 | 580150 | Condotto aspirazione-mandata | 1 |
| 3 | 550101 | Testa valvole (destra) | 2 |
| 4 | 550102 | Testa valvole (sinistra) | 1 |
| 5 | 180150 | Dado M10 - 5587 | 17 |
| 6 | 550131 | Dado M10 AR 100 bp | 3 |
| 7 | 580090 | Piattello richiamo AR 100 bp | 3 |
| 8 | 550080 | Membrana gomma | 3 |
| 9 | 550085 | Membrana Desmopan (A RICHIESTA) | 3 |
| 10 | 580110 | Camicia Ø80 AR 100 bp | 3 |
| 11 | 580350 | Camicia Ø80 AR 120 bp | 3 |
| 12 | 500260 | Segmento Ø80x2,5 | 3 |
| 13 | 550270 | Perno membrana AR 100 bp | 3 |
| 14 | 580120 | Pistone Ø80 | 3 |
| 15 | 380300 | Spinotto Ø ₁₄ x48 | 3 |
| 16 | 380080 | Anellino spinotto Ø14 | 6 |
| 17 | 580140 | Biella | 3 |
| 18 | 320030 | OR Ø31,5x4,5 | 6 |
| 19 | 559050 | Valvola completa | 6 |
| 20 | 580060 | Girello 1"1/4G AR 100 bp | 1 |
| 21 | 540541 | Girello 1"3/4G AR 120 bp | 1 |
| 22 | 390291 | OR Ø28,25x2,52 | 7 |
| 23 | 580030 | Nipples 1"1/4 G - 1"1/4G AR 100 bp | 1 |
| 24 | 540530 | Nipples 1"1/4 G - 1"3/4G AR 120 bp | 1 |
| 25 | 390270 | Dado M8 - 5588 | 3 |
| 26 | 580050 | Guarnizione | 1 |
| 27 | 580180 | Semisfera inferiore | 1 |

| pos. | codice code | DENOMINAZIONE DESCRIPTION | Q.tà Q.ty |
|------|-------------|--------------------------------------|-----------|
| 28 | 550190 | Semicamera aria gomma | 1 |
| 29 | 550230 | Semisfera superiore rossa AR 100 bp | 1 |
| 30 | 550232 | Semisfera superiore gialla AR 120 bp | 1 |
| 31 | 550300 | Valvola di gonfiaggio | 1 |
| 32 | 650542 | Guarnizione | 1 |
| 33 | 550680 | Vite TE M8x20 | 4 |
| 34 | 200391 | Anello seeger Ø62 | 1 |
| 35 | 550470 | Bussola anello leruta | 1 |
| 36 | 550070 | Rondella tenuta albero | 1 |
| 37 | 550080 | Boccola a rullini HK5020 | 1 |
| 38 | 550170 | Albero eccentrico AR 100 bp SP | 1 |
| 39 | 580380 | Albero eccentrico AR 120 bp SP | 1 |
| 40 | 580130 | Anello biella | 2 |
| 41 | 550200 | Prgioniero M10x65 | 4 |
| 42 | 550310 | Boccola a rullini HK5020 | 1 |
| 43 | 180101 | OR Ø17,5x2 | 1 |
| 44 | 550030 | Serbatoio olio | 1 |
| 45 | 390440 | Dado M6 - 5587 | 2 |
| 46 | 550040 | OR Ø26,65x2,62 | 1 |
| 47 | 550050 | Tappo serbatoio | 1 |
| 48 | 550340 | Nipples 1"G(M) - 1"G(M) | 1 |
| 49 | 550350 | OR Ø23,81x2,62 | 1 |
| 50 | 550242 | Girello 1"G | 1 |
| 51 | 550370 | Curva Ø25 | 1 |
| 52 | 580040 | Curva Ø30 AR 100 bp | 1 |
| 53 | 540550 | Curva Ø40 AR 120 bp | 1 |
| 54 | 250310 | OR Ø36,14x2,62 | 1 |

| pos. | codice code | DENOMINAZIONE DESCRIPTION | Q.tà Q.ty |
|--------------------------------|-------------|---|-----------|
| 55 | 550491 | Anello tenuta 45x55x7 | 1 |
| 56 | 650920 | OR Ø53,65x2,62 | 1 |
| 57 | 130171 | Tappo 3/8"G (già COD 30171) | 1 |
| 58 | 580071 | Allacco aspirazione-mandata destro | 2 |
| 59 | 580072 | Allacco aspirazione-mandata sinistro | 1 |
| 60 | 540660 | Protezione cardano (OPTIONAL) | 1 |
| 61 | 550331 | Rosetta 6,5x12,5x1,5 | 2 |
| 62 | 320620 | Rosetta Ø10,5x21x2 | 2 |
| 63 | 740290 | OR Ø14x1,78 | 1 |
| 64 | 550173 | Albero eccentrico AR 100 bp C (cardano) | 1 |
| 65 | 580330 | Albero eccentrico AR 120 bp C (cardano) | 1 |
| 66 | 580370 | Piattello richiamo AR 120 bp | 3 |
| 67 | 580360 | Perno membrana AR 120 bp | 3 |
| 68 | 390291 | OR Ø28,25x2,62 AR 100 bp | 1 |
| 69 | 250310 | OR Ø36,14x2,62 AR 120 bp | 1 |
| 70 | 580080 | Piede corpo pompa | 1 |
| 71 | 540300 | Vite TCEI M10x30 | 1 |
| 72 | 200231 | Grower Ø10,5 | 2 |
| PARTI SPECIALI IN VITON | | | |
| 8 | 550084 | Membrana VITON | 3 |
| 26 | 550192 | Semicamera aria VITON | 1 |



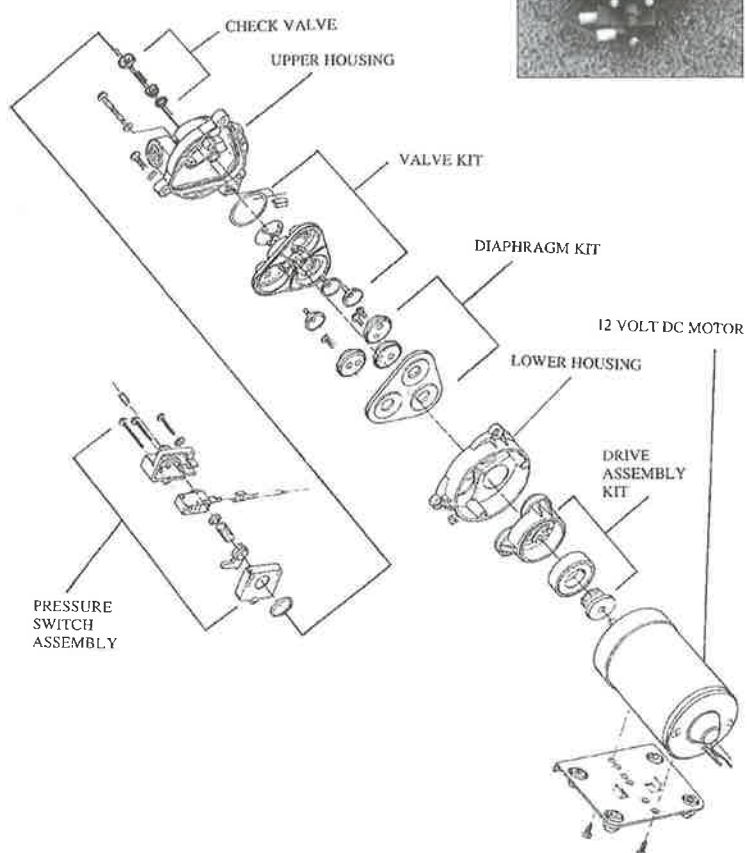
12 VOLT SINGLE DIAPHRAGM PUMPS

SHURFLO 8000 SERIES



Open flow capacity: 5.3 L/min
 Maximum pressure capacity: 60 psi
 Voltage: 12V DC
 Current: 7 Amp

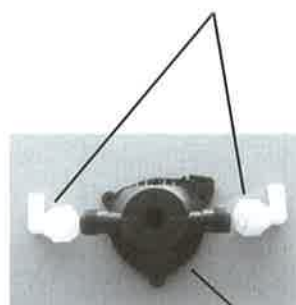
Shurflo 8000 Series 8000543236



Female elbows to suit male heads, available to suit 1/2" and 3/8" hose.

361-8-034 (suits 1/2" hose)

361-8-060 (suits 3/8" hose)



Upper housing of Shurflo pump fitted with male head housing.

Upper housing (male)
9437901

| DESCRIPTION | PART NUMBER |
|---------------------------------------|------------------|
| Check Valve Kit | 94-374-05 |
| Upper Housing | 94-379-00 |
| Valve Kit | 94-390-05 |
| Diaphragm Kit | 94-395-06 |
| Lower Housing / Drive Assembly Kit | 94-385-03 |
| Pressure Switch Assembly | 94-375-05 |
| Bearing 6203 | 6203-2NSE |
| Upper Housing (male) | 94-379-01 |
| Elbows for male head (suit 3/8" hose) | 361-8-060 |
| (suit 1/2" hose) | 361-8-034 |



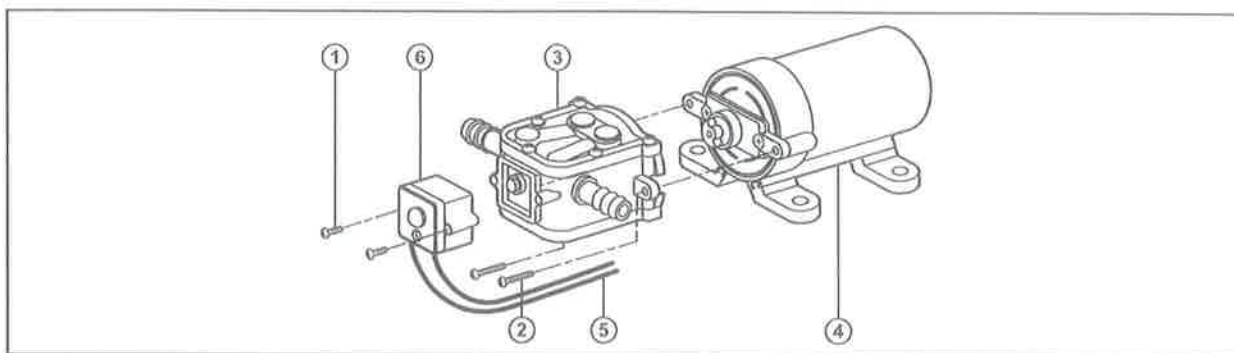
12 VOLT SINGLE DIAPHRAGM PUMPS

FLOJET LF SERIES



- Sealed pressure switch automatically starts and stops pump when discharge valve opens and closes
- Self-priming so pump can be located above supply tank.
- Can run dry for extended periods of time without damage.
- Built-in thermal protector.
- Low amp draw for battery powered applications.

| Part Number | Max Flow | Max Pressure | Power Input Voltage | Power Input Amps | Diaphragm Material | Check Valve Material | Pump Body Material | Pressure Switch Setting | Total Bypass Pressure | Inlet/Outlet Port Fittings |
|-------------|-----------|------------------|---------------------|-------------------------------|--------------------|----------------------|--------------------|-------------------------|-----------------------|----------------------------|
| LF121-421D | 2.7 L/Min | 40 PSI (2.8 Bar) | 12VDC | 2.5 Amp NoMinal @25PSI(1.7Bar | Santoprene | Viton | Polypropylene | 40 PSI (2.8 Bar) | n/a | 3/8"(9.5mm)Hose Barb |



| KEY | DESCRIPTION | KEY | DESCRIPTION |
|-----|---------------------|-----|-----------------|
| 1 | Switch cover screws | 4 | Motor |
| 2 | Pump head screws | 5 | Lead wires |
| 3 | Pump head | 6 | Pressure switch |



12 VOLT SINGLE DIAPHRAGM PUMPS

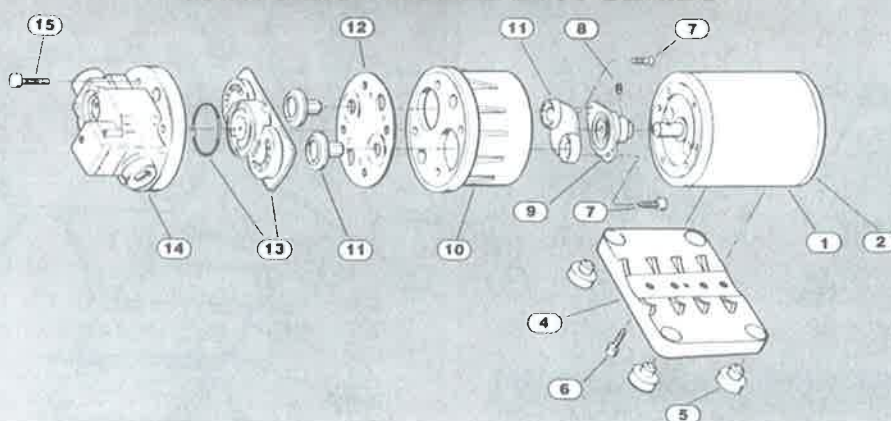
FLOJET 2135 SERIES



Open flow capacity: 7.6 L/min
Maximum pressure capacity: 70 psi
Voltage: 12V DC
Current: 10 Amp

Flojet 2135 Series 2135571A

PARTS LIST MODEL 2135 SERIES



| Pos. No. | Part Number | Description |
|----------|-------------|---|
| 1 | 02009-004 | 12 v motor DC |
| 2 | 29115-116 | Brush Endbell Assy. (DC) |
| 4 | 11028-101 | Baseplate Assy. Plastic (Inc. # 5 & # 6) |
| 5 | 20132-000 | Grommets |
| 6 | 20131-002 | Baseplate screws |
| 7 | Only in kit | Screw |
| 9 | Only in kit | Cam bearing |
| 10 | 20428-100 | Bearing cover Polypro |
| 11 | Only in kit | Piston |
| 12 | Only in kit | Diaphragm kit |
| 13 | Only in kit | Valve kit |
| 14 | 20316-011 | Upper housing / Switch assy. |
| 15 | 20131-001 | Pump screws |

REPAIR KITS ALSO AVAILABLE

| Kit No. | Parts included | Description |
|-----------|------------------------|--|
| 21004-202 | 8, 9, 11, 12 | Cam bearing / diaphragm # 2 (Buna diaphragm) |
| 21004-402 | 8, 9, 11, 12 | Cam bearing / diaphragm # 2 (Santo diaphragm) |
| 21046-029 | 7, 8, 9, 11, 12, 13 | Pump service kit |



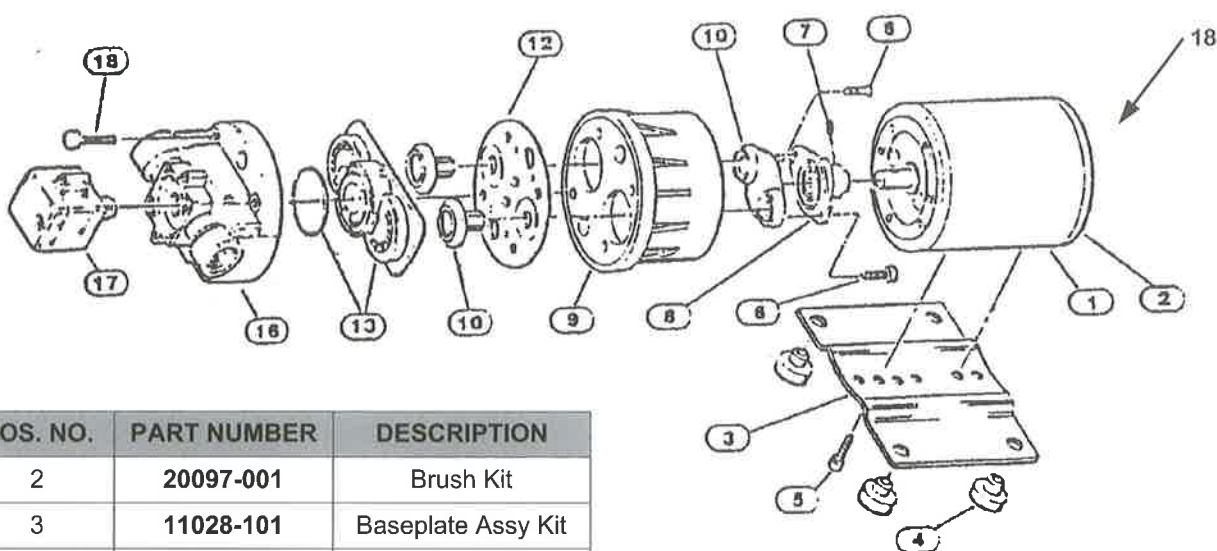
12 VOLT SINGLE DIAPHRAGM PUMPS

FLOJET 2100 SERIES



Open flow capacity: 9 L/min
 Maximum pressure capacity: 35 psi
 Voltage: 12V DC
 Current: 10 Amp

Flojet 2100 Series 2100637A



| POS. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------|
| 2 | 20097-001 | Brush Kit |
| 3 | 11028-101 | Baseplate Assy Kit |
| 4 | 20132-000 | Grommet Kit |
| 8 | 21046-029 | Cam Bearing Kit |
| 9 | 20428-100 | Bearing Cover |
| 12 | 21010-004 | Diaphragm Kit |
| 13 | 20028-008 | Valve Kit |
| 16 | 20500-507 | Upper Housing |
| 17 | 2095-100 | Pressure Switch |
| 18 | 20132-005 | Fan Shroud Kit |

REPAIR KITS ALSO AVAILABLE

| KIT NO. | PARTS INCLUDED | DESCRIPTION |
|-----------|---------------------|---|
| 21004-202 | 7, 8, 10, 12 | Cam bearing / diaphragm # 2 (Buna diaphragm) |
| 21004-402 | 7, 8, 10, 12 | Cam bearing / diaphragm # 2 (Santo diaphragm) |
| 21046-029 | 6, 7, 8, 10, 12, 13 | Pump service kit |



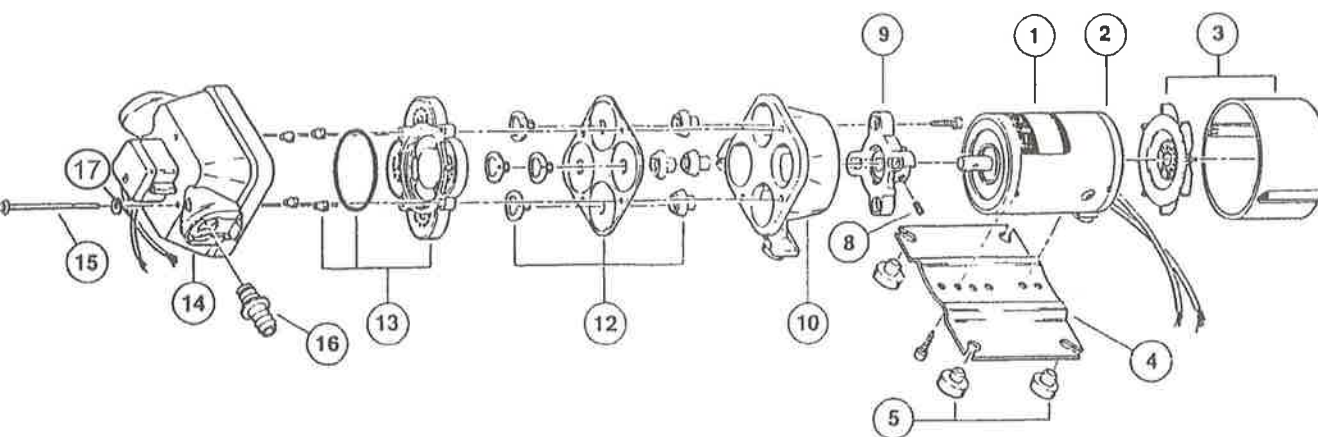
12 VOLT SINGLE DIAPHRAGM PUMPS

FLOJET 4300 SERIES



Open flow capacity: 13 L/min
Maximum pressure capacity: 45 psi
Voltage: 12V DC
Current: 10 Amp

Flojet Quad 4300 Series 4300500A



| POS. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------|
| 2 | 20097-001 | Brush Kit |
| 3 | 20132-005 | Fan Shroud Kit |
| 4 | 11028-101 | Baseplate Assy Kit |
| 5 | 20132-000 | Grommet Kit |
| 9 | 20400-002 | Cam Bearing Kit |
| 10 | 20401-000 | Bearing Cover |
| 12 | 20403-040 | Diaphragm Kit |
| 13 | 20407-020 | Valve Kit |
| 14 | 20404-007 | Upper Housing |
| 16 | 20381-009 | Hose Barb Elbow 1/2" |
| 16 | 20381-015 | Hose Barb 1/2" |
| 17 | 2095-100 | Pressure Switch |



ROLLER PUMPS

HYPRO 6500C (Cast Iron)

HYPRO 6500XL (Silver Cast)



Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:

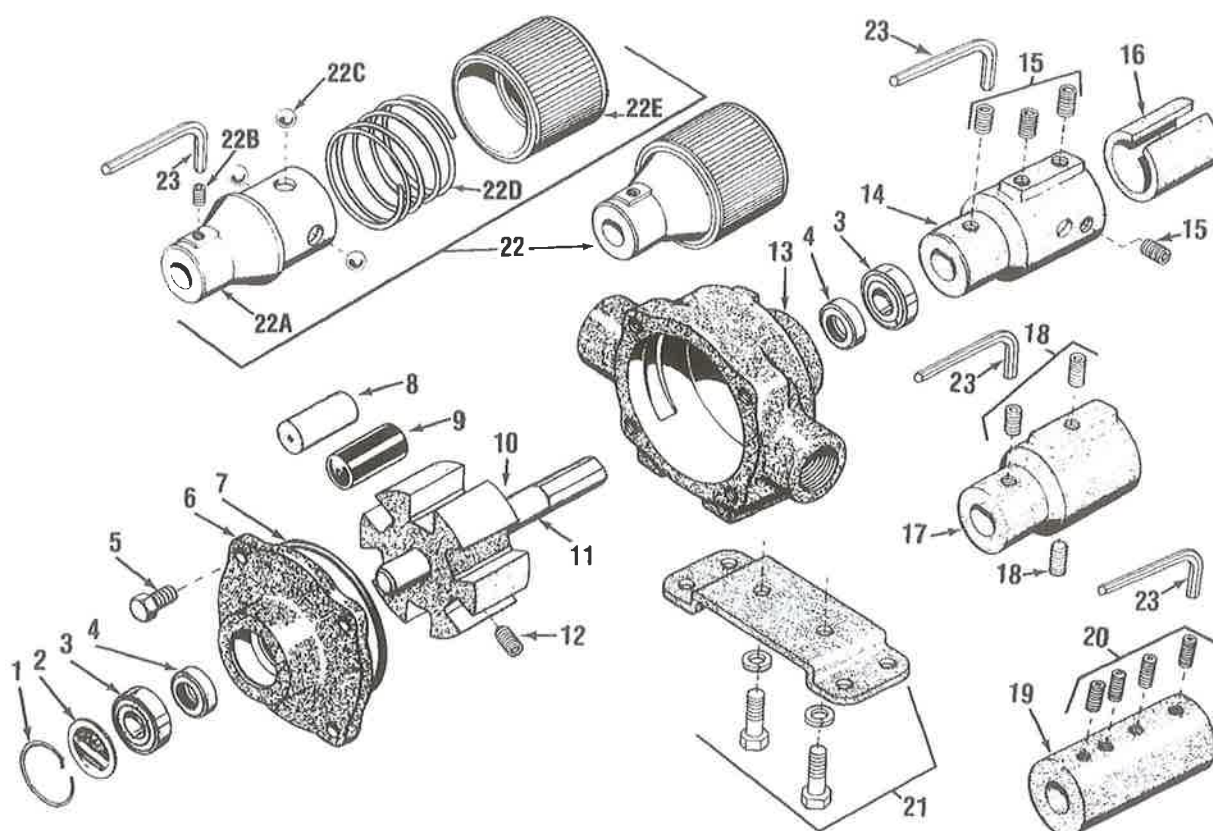
@ 540 rpm
36.7 l/min

@ 1000rpm
68.9l/min

1200 RPM

20 bar (284 psi)

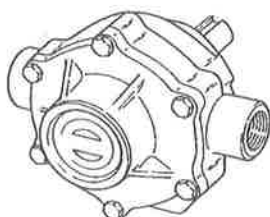
3/4"



| POSITION NUMBER | PART NUMBER | DESCRIPTION |
|-----------------|-------------|---|
| 3 | 2000-0004 | Ball Bearing |
| 4 | 2107-0002 | Viton Seal |
| 7 | 1720-0008 | O'ring for Endplate |
| 8 | 1005-0004 | Super Roller |
| 10 | 0300-6600C | Rotor (Cast Iron) with Shaft |
| 22 | 1321-0006 | Quick Coupler Adapter for 1 3/8" 6-spline 540 RPM PTO |
| 22 | 1321-0008 | Quick Coupler Adapter for 1 3/8" 21-spline 1000 RPM PTO |
| | 3PL-RPTA | Torque Arm & Chain |



ROLLER PUMPS

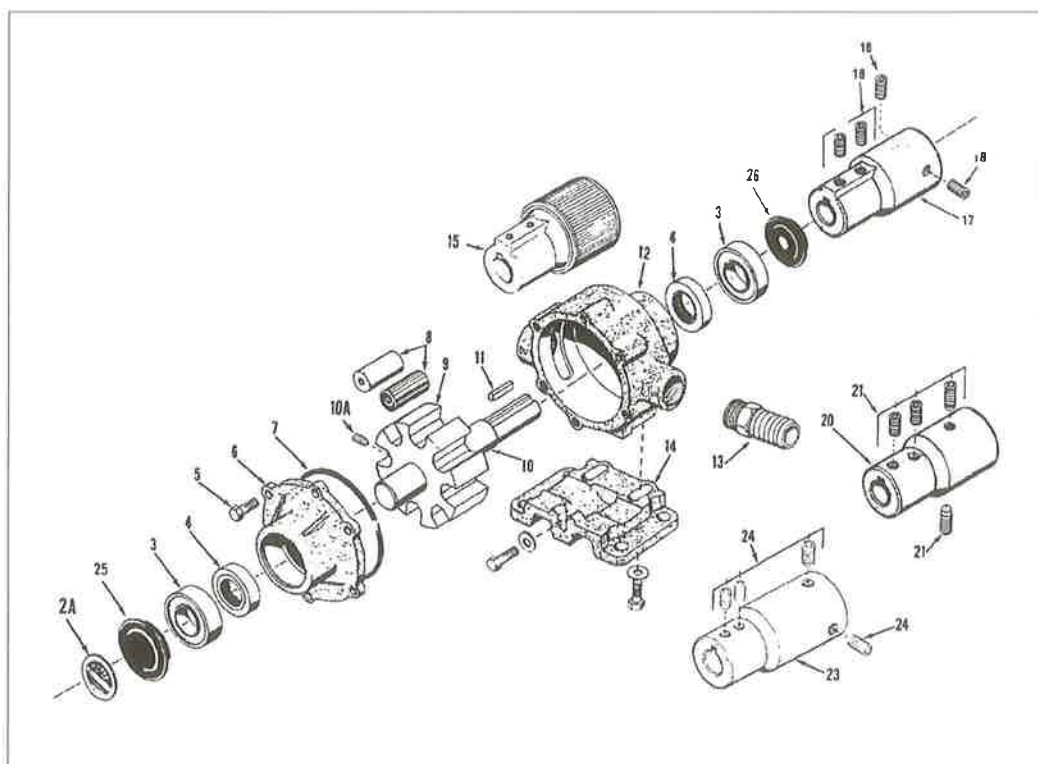
HYPRO 7560C (Cast Iron)
HYPRO 7560XL (Silver Cast)

Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 540 rpm
45 l/min

@ 1000 rpm
85 l/min

1000 RPM
20 bar (284 psi)
3/4"
15/16" Solid

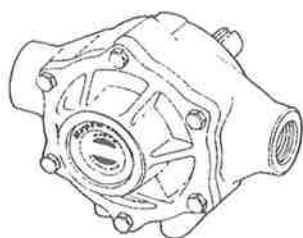


| POSITION NUMBER | PART NUMBER | DESCRIPTION |
|-----------------|-------------|--|
| 3 | 2008-0001 | Bearing |
| 4 | 2112-0003 | Seal - Viton |
| 7 | 1720-0014 | O Ring |
| 8 | 1005-0004 | Super Roller |
| 9 | 0308-7560C | Rotor with Shaft |
| 15 | 1321-0007 | Quick Coupler Adapter for 1 3/8" 6-spline 540 RPM PTO |
| 15 | 1321-0009 | Quick Coupler Adapter for 1 3/8" 21-spline 540 RPM PTO |
| | 3PL-RPTA | Torque Arm & Chain |



ROLLER PUMPS

HYPRO 1700C (Cast Iron) HYPRO 1700XL (Silver Cast)

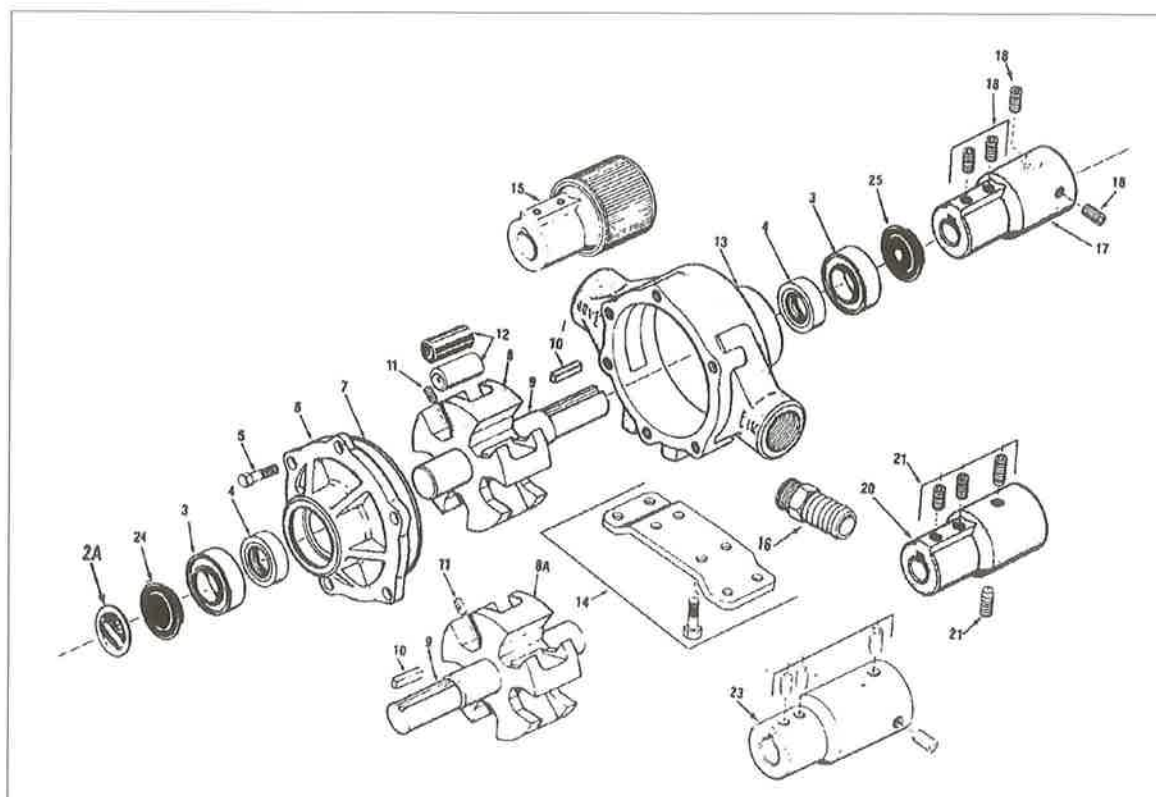


Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 540 rpm
94 l/min

@ 1000 rpm
170 rpm

1000 RPM
13 bar (185 psi)
1"
15/16" Solid

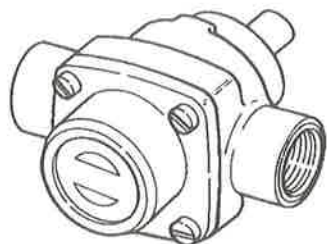


| POSITION NUMBER | PART NUMBER | DESCRIPTION |
|-----------------|-------------|---|
| 3 | 2008-0001 | Sealed Ball Bearing |
| 4 | 2112-0003 | Viton Seal |
| 7 | 1720-0099 | O-ring Gasket for Endplate |
| 8 | 0300-1700C | Rotor (Cast Iron) with shaft |
| 12 | 1005-0005 | Super Roller |
| 15 | 1321-0007 | Quick Coupler Adapter for 1 3/8" 6-spline 540 RPM PTO |
| 15 | 1321-0009 | Quick Coupler Adapter for 1 3/8" 21-spline 1000 RPM PTO |
| | 3PL-RPTA | Torque Arm & Chain |



ROLLER PUMPS

HYPRO 4101N (Ni-Resist) HYPRO 4101XL (Silver Cast)

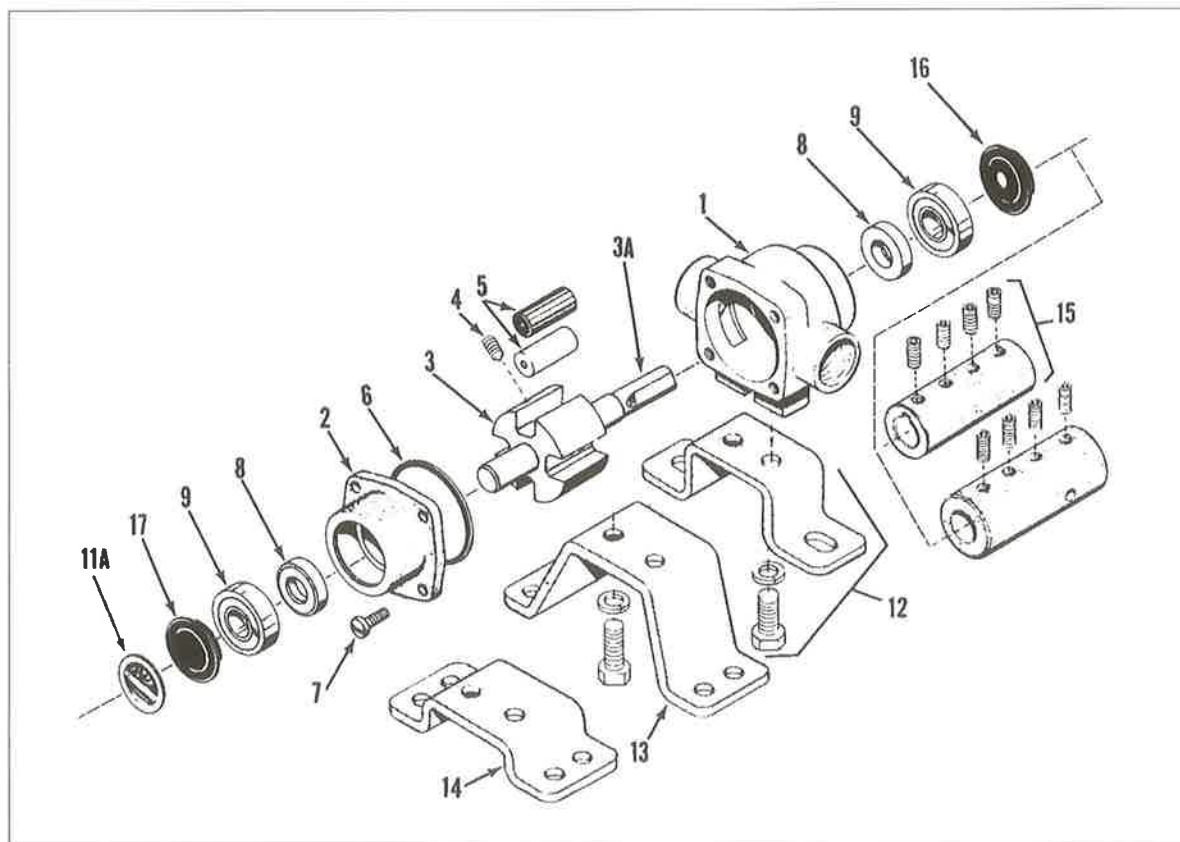


Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 1800 rpm
19 l/min

@ 2200 rpm
24 l/min

2600 RPM
10 bar (142 psi)
3/4"
5/8" Solid



| POSITION NUMBER | PART NUMBER | DESCRIPTION |
|-----------------|-------------|------------------------------------|
| 3 | 0300-4101C | Rotor (Cast Iron) & Shaft Assembly |
| 5 | 1005-0002 | Super Rollers |
| 6 | 1720-0104 | O-Ring Gasket for Endplate |
| 8 | 2107-0002 | Viton Seal |
| 9 | 2000-0004 | Ball Bearing |
| | 3PL-RPTA | Torque Arm & Chain |



ACE HYDRAULIC CENTRIFUGAL PUMPS

FMC-HYD-204 & FMC-HYD-210



- Hydraulically driven centrifugal pump with cast iron housing.
- 1 1/4" suction x 1" pressure port sizes.
- 0-100 psi at maximum 4600 RPM and up to 280 l/min at open discharge.

Hydraulic Motor Repair Kit
Water Pump Repair Kit

RK-BAC-75-HYD
RK-FMC

TRACTOR HYDRAULIC SYSTEM REMOTE OUTLET CAPACITY (L/MIN)

| MODEL | CLOSED CENTER SYSTEM | OPEN CENTER SYSTEM |
|-------------|----------------------|--------------------|
| FMC HYD 204 | All | *15 - 49 |
| FMC HYD 210 | Not Recommended | 52 - 173 |

* Refer to pump manual

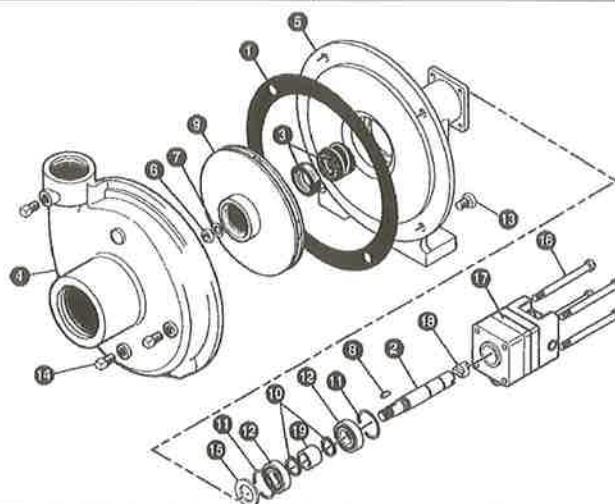
| PRESSURE | CAPACITY |
|----------|-----------|
| 10 psi | 284 l/min |
| 30 psi | 227 l/min |
| 50 psi | 190 l/min |
| 90 psi | 76 l/min |
| 100 psi | 38 l/min |

RKBAC75HYD

Ace hydraulic pump
oil kit

RKFMC

Ace pump water kit



| POSITION NO. | PART NUMBER | DESCRIPTION |
|--------------|----------------|---|
| 1 | BAC-4 | Gasket, 4 Hole |
| 2 | BAC-6-HYD | 5/8" Driven shaft w/tang slot |
| 3 | BAC-7V | Viton mechanical seat |
| 4 | BAC-12 | 1 1/4" x 1" Volute |
| 5 | BAC-14HYD | Mounting Frame |
| 6 | BACH-23-SS | 3/8" N.F. Hex nut, stainless steel |
| 7 | BAC-24-HYD-SS | 3/8" Washer, stainless steel |
| 8 | BACH-25 | 1/8" x 1/8" x 1/2" Impeller key |
| 9 | BAC-26-HYD | Impeller, Valox, w/keyway |
| 10 | BAC-32 | External snap ring, BAC-6-HYD driven shaft |
| 11 | BAC-33 | Internal snap ring, BAC-14-HYD mounting frame |
| 12 | BAC-37 | Sealed ball bearing, BAC-6-HYD driven shaft |
| 13 | 41110 | 1/8" NPT pipe plug |
| 14 | 40950 | 3/8" N.C. x 3/4" Hex head cap screw |
| 15 | BAC-54 | Slinger |
| 16 | 41256 | 5/16" N.C. x 3 1/2" Hex head cap screw motor to pump (for FMC-HYD-204) |
| 16 | 41257 | 5/16" N.C. x 4" Hex head cap screw motor to pump (for FMC-HYD-210) |
| 17 | BAC-75-HYD-204 | Hydraulic motor for open center or closed center systems with integral needle valve (for FMC-HYD-204) |
| 17 | BAC-75-HYD-210 | Hydraulic motor for open center or closed center systems with integral needle valve (for FMC-HYD-210) |
| 18 | BAC-76-HYD | Coupling for hydraulic motor |
| 19 | BAC-32S | Spacer for BAC-6-HYD shaft |



ACE HYDRAULIC CENTRIFUGAL PUMPS

FMC-150-HYD-206

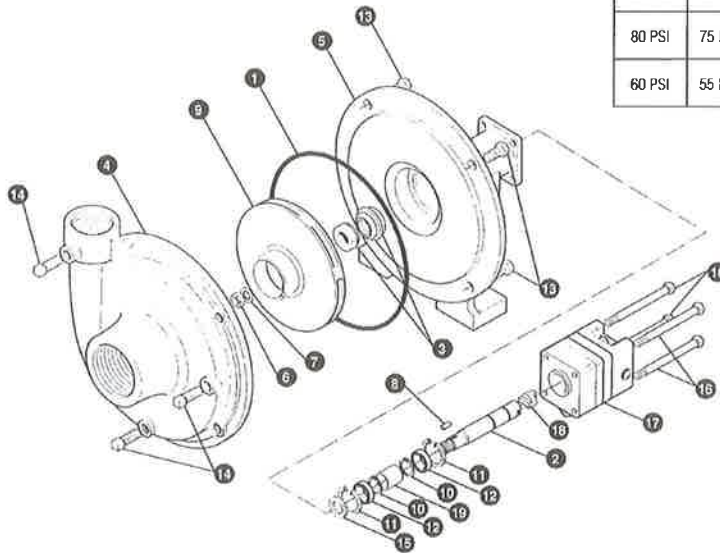


- 670 kpa at 75 L/min.
- Suction 1 1/2". Discharge 1 1/4".
- 26 L/min hydraulic motor.
- Viton mechanical seal.
- Recommended for the following Hydraulic Systems:
 - Pressure compensating John Deere type closed centre
 - Load sending variable flow Case-IH type closed centre
 - Open centre systems 26 - 60 L/min

Hydraulic Motor Repair Kit
Water Pump Repair Kit

RK-BAC-75-HYD
RK-FMC

| SHUT-OFF 0 GPM | 20 GPM | 40 GPM | 60 GPM | 80 GPM | 100 GPM |
|-------------------|---------|--------|--------|--------|---------|
| 120 PSI | 100 PSI | 80 PSI | 60 PSI | 30 PSI | 10 PSI |
| 100 PSI | 95 PSI | 76 PSI | 52 PSI | 26 PSI | 5 PSI |
| 80 PSI | 75 PSI | 62 PSI | 45 PSI | 21 PSI | - |
| 60 PSI | 55 PSI | 40 PSI | 25 PSI | 5 PSI | - |



| Ref. # | PART NO. | EDP NO. | DESCRIPTION | REQ. |
|--------|----------------|---------|---|------|
| *1 | BAC-4-150 | 40015 | "O" Ring, volute | 1 |
| 2 | BAC-6-HYD | 40060 | 5/8" Driven shaft with tang slot | 1 |
| 2 | BAC-6-HYD-SS | 40061 | 5/8" Driven shaft with tang slot, stainless steel (optional) | 1 |
| # | BAC-7B | 40110 | Buna-N mechanical seal (optional) | 1 |
| *3 | BAC-7V | 40151 | Viton mechanical seal (includes 40160 "O" ring) | 1 |
| # | BAC-7SC | 40152 | Silicon carbide mechanical seal (includes 40160 "O" ring) (optional) | 1 |
| *# | 40160 | 40160 | "O" Ring for BAC-6-HYD shaft | 1 |
| 4 | BAC-12-150 | 40255 | 1 1/2" x 1 1/4" Volute | 1 |
| 5 | BAC-14-150-HYD | 40305 | Mounting frame | 1 |
| 6 | BACH-23-SS | 40390 | 3/8" N.F. Hex nut, stainless steel | 1 |
| 7 | BAC-24-HYD-SS | 40400 | 3/8" Lock washer, stainless steel | 1 |
| 8 | BACH-25 | 40420 | 1/8" x 1/8" x 1/2" Impeller key | 1 |
| 9 | BAC-26-150 | 40445 | Impeller, w/keyway | 1 |
| 10 | BAC-32 | 40790 | External snap ring, BAC-6-HYD driven shaft | 2 |
| 11 | BAC-33 | 40810 | Internal snap ring, BAC-14-HYD-150 mounting frame | 2 |
| 12 | BAC-37 | 40870 | Sealed ball bearing, BAC-6-HYD driven shaft | 2 |
| 13 | 40950 | 40950 | 3/8" N.C. x 3/4" Hex head cap screw | 4 |
| 13 | 40930 | 40930 | 3/8" N.C. x 3/4" Hex head cap screw, stainless steel (optional) | 4 |
| 14 | 41110 | 41110 | 1/8" NPT Pipe plug | 3 |
| 14 | 41120 | 41120 | 1/8" NPT Pipe plug, stainless steel (optional) | 3 |
| 15 | BAC-54 | 41130 | Slinger | 1 |
| 16 | 41258 | 41258 | 5/16" N.C. x 3/4" Hex head cap screw motor to pump (for FMC-150-HYD-206) | 4 |
| 17 | BAC-75-HYD-206 | 41372 | Hydraulic motor for open-center or closed-center systems with integral needle valve (for Model FMC-150-HYD-206) | 1 |
| 18 | BAC-76-HYD | 41380 | Coupling for hydraulic motor | 1 |

*Items included in repair kit.

#Not shown on cross section drawing.



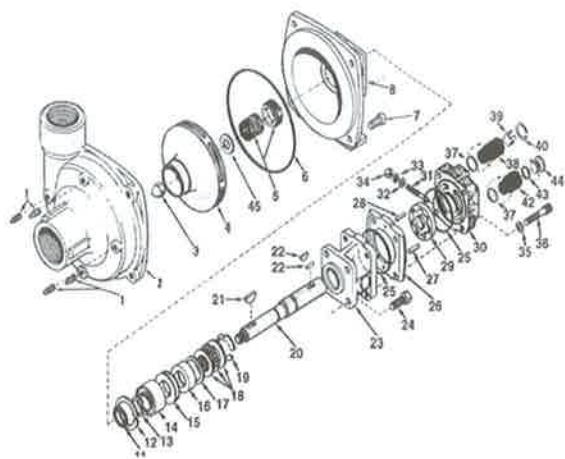
HYPRO CENTRIFUGAL PUMPS



Series 9300C

Includes Models: 9303C-HM1C and 9303C-HM4C

- * Hydraulic motor drive (for open and closed center systems)
- * Max. flow: 373 - 864 L/min
- * Max. pressure: 130 - 180 psi (in closed center operation)
- * Port sizes: 9303C 1 1/2" NPT inlet
1 1/4" NPT outlet
- * Max. fluid temperature 60°C
- * Housing: cast iron
- * Impeller: 9303C series: glass filled nylon
- * Motor: Internal gear gerotor
- * Hydraulic ports: 1/2" NPT
- * Centrifugal shaft seals: Viton/ceramic are standard
- * Hydraulic motor seal: double-lip Teflon



| REPAIR KIT NUMBER | LOC. NUM. | PARTS DESCRIPTION |
|-------------------------|-----------|-------------------------|
| 3430-0332** | 5 | Mechanical Seal |
| | 6 | O-Ring |
| | 45 | Rubber gasket |
| 3430-0178** | 14 | Ball bearing |
| | 16 | Motor shaft seal |
| | 32 | Thread seal gasket |
| | 33 | Washer |
| | 25 | 2 Motor housing O-Rings |
| | 37 | Port adaptor O-Rings |
| 3430-0187 (HM4 only) | 37 | Port adaptor O-Rings |
| | 42 | Pressure port adaptor |
| | 43 | Orifice O-Ring |
| | 44 | 3 x Metering orifices |

** Repair kits suit both HM1 and HM4 hydraulic motors.

* Metering orifices:

Size # 1 No. 3373-0020

Size # 2 No. 3373-0021

Size # 3 No. 3373-0022

9303C

| | Hydraulic Flow | L/min at 10 | L/min at 20 | L/min at 30 | L/min at 40 | L/min at 50 | L/min at 60 | L/min at 70 | L/min at 80 | L/min at 90 | L/min at 100 | L/min at 110 | L/min at 120 | L/min at 130 |
|------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| HM1C | 50 L/min | 523 | 473 | 459 | 436 | 409 | 373 | 300 | 264 | 214 | 141 | | | |
| | 55 L/min | 555 | 500 | 496 | 482 | 477 | 459 | 418 | 368 | 286 | 218 | 164 | 41 | |
| | 59 L/min | 559 | 500 | 496 | 486 | 477 | 473 | 464 | 436 | 386 | 345 | 286 | 150 | 59 |
| HM2C | 18 L/min | 318 | 273 | 205 | 114 | | | | | | | | | |
| | 23 L/min | 377 | 336 | 395 | 227 | 168 | 100 | 18 | | | | | | |
| | 27 L/min | 427 | 391 | 364 | 327 | 282 | 227 | 168 | 100 | 32 | | | | |
| HM3C | 68 L/min | 427 | 386 | 332 | 214 | | | | | | | | | |
| | 82 L/min | 500 | 482 | 446 | 400 | 314 | 200 | | | | | | | |
| | 91 L/min | 555 | 546 | 523 | 482 | 432 | 345 | 264 | 159 | | | | | |
| HM4C | 23 L/min | 382 | 345 | 300 | 236 | 155 | | | | | | | | |
| | 27 L/min | 450 | 409 | 382 | 355 | 305 | 195 | 114 | | | | | | |
| | 32 L/min | 500 | 441 | 418 | 391 | 350 | 291 | 218 | 173 | 64 | | | | |

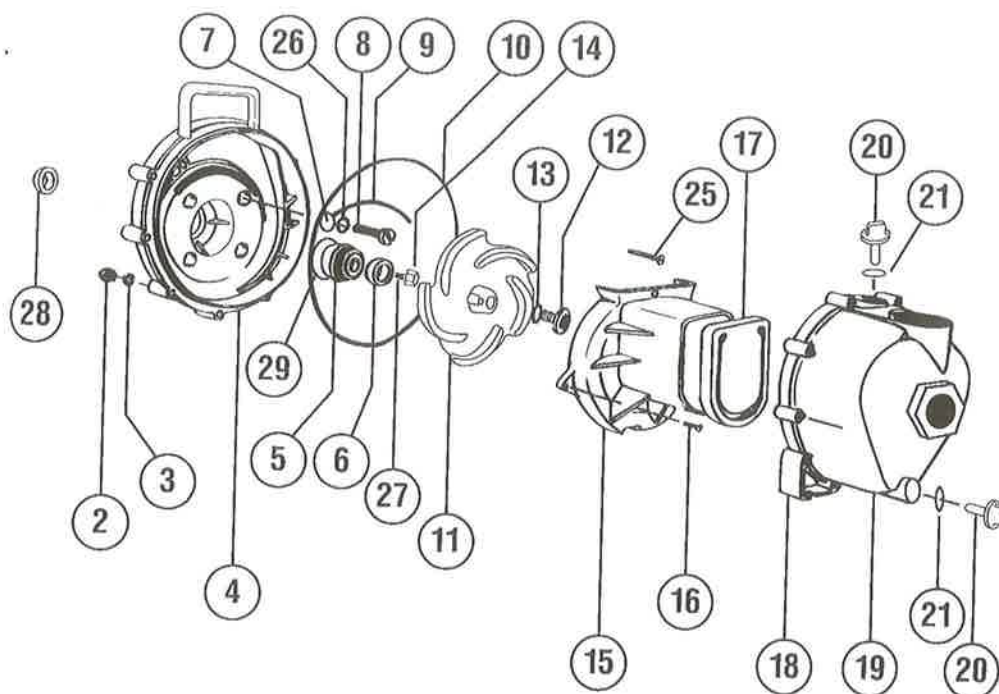


BANJO FILL PUMP

GRESEN MGG2 HYDRAULIC MOTOR

- Hydraulic fluid capacity Min 6 gal/Max 10 gal.
- 12 HP motor
- Open or closed system
- 3600 rpm

200PHY 2" Hydraulic driven polypropylene pump



| No. | Description | Per Pump | Part No. |
|-------|----------------------------|----------|----------|
| 2 | Body nuts SS | 10 | V07019 |
| 3 | Lock washer SS | 10 | V07018 |
| 4 | Poly pump rear bracket | 1 | 12703A |
| 5 & 6 | Seal assembly*+ | 1 | 12713 |
| 7 | Screw heads O ring*+ | 4 | 12717 |
| 8 | Bracket screws SS | 4 | 12715A |
| 9 | O ring segment*+ | 1 | 12754 |
| 10 | Body O ring*+ | 1 | 12719A |
| 11 | 5 Vane poly pump impeller+ | 1 | 12772 |
| 12 | Impeller bolt SS | 1 | 12765A |
| 13 | Impeller bolt gasket*+ | 1 | 12774VA |
| 14 | Impeller hex nut | 1 | 12775A |
| 15 | Poly pump volute | 1 | 12702A |
| 16 | Volute screws SS | 2 | 12725 |
| 17 | Poly pump check valve+ | 1 | 12705 |

| No. | Description | Per Pump | Part No. |
|-----|---|----------|----------|
| 18 | Poly pump body assembly | 1 | 12712A |
| 19 | Body screws SS | 10 | 12720 |
| 20 | Prime/drain plug | 2 | 12777 |
| 21 | Prime/drain plug O ring* | 2 | UV15163 |
| 25 | Upper volute screw SS | 1 | 12900 |
| 26 | Rear bracket washer SS | 1 | 12901 |
| 27 | Impeller key | 1 | 12902A |
| 28 | Poly pump slinger*+ | 1 | 12706 |
| 29 | O ring for seal assembly*+ | 1 | 12710 |
| N/S | Complete bearing pedestal | 1 | 12882A |
| N/S | Impeller removal bolt | 1 | 12099 |
| | Pump repair kit—5 vane impeller (consists of items marked with +) | 1 | 12000A |
| | Pump seal/O ring kit (consists of items marked with *) | 1 | 12999A |



PUMP HYDRAULIC DRIVE

A hydraulic pump drive kit can be fitted to the diaphragm pump so that the pump is driven via the tractor hydraulic system rather than the tractor PTO.

The oil line to the hydraulic pump is fitted with a needle valve that regulates oil flow to the pump. Although many tractors feature hydraulic oil flow regulation in the cab the needle valve is still fitted in case of the sprayer being coupled to an older model tractor.

When a hydraulically driven pump is fitted to a tractor fitted with in cab oil flow adjustment it is recommended to close the needle valve and adjust the hydraulic oil flow in the tractor to set the pump running at the **correct speed (between 400-540rpm)**.

Depressing the speed button for five seconds on a Raven SCS440 console will show the pump speed. Sprayers not fitted with a Raven controller will have a display panel to show pump speed.

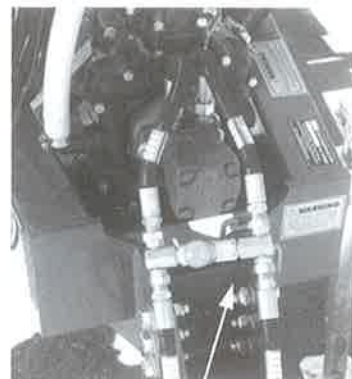
Magnet
MS122

Speed sensor
cable
Suit Raven
1170159929

Suit RPM con-
sole SR100



Main pump
adapter
F700416600



Needle valve for pump speed regulation
FT1251212



| Part number | Description | Position |
|-----------------|-----------------------------------|----------|
| 1 x 67146 | Hydraulic motor | A |
| 1 x F700416600 | Adaptor kit | |
| | 1 x Housing | B1 |
| | 1 x Coupler, magnet & grub screws | B2 |
| | 3 x Studs, nuts & washers | |
| 1 x F70288A | Spacer | C |
| 4 x 10mm x 30mm | Socket head cap screws | D |
| 4 x 10mm x 40mm | Socket head cap screws | E |
| 2 x 12mm x 60mm | Bolts, nuts & washers | F |
| 1 x 1170159929 | Speed sensor | G |
| 2 x S93-10 | Hydraulic adaptors (on motor) | |
| 2 x HL09/GA | Hydraulic hoses | H |
| 1 x FT1251212 | Hydraulic needle valve | I |
| 2 x S83-080808 | Hydraulic T adaptors | J |
| 2 x HL08/GA | Hydraulic hoses | K |
| 2 x R91-08M | Hydraulic couplings | L |

Hydraulic Motor 67146

Max. Flow Rate (L/min): 40

Max. Speed (RPM): 500

Max. Continuous Pressure (Kpa): 12 000

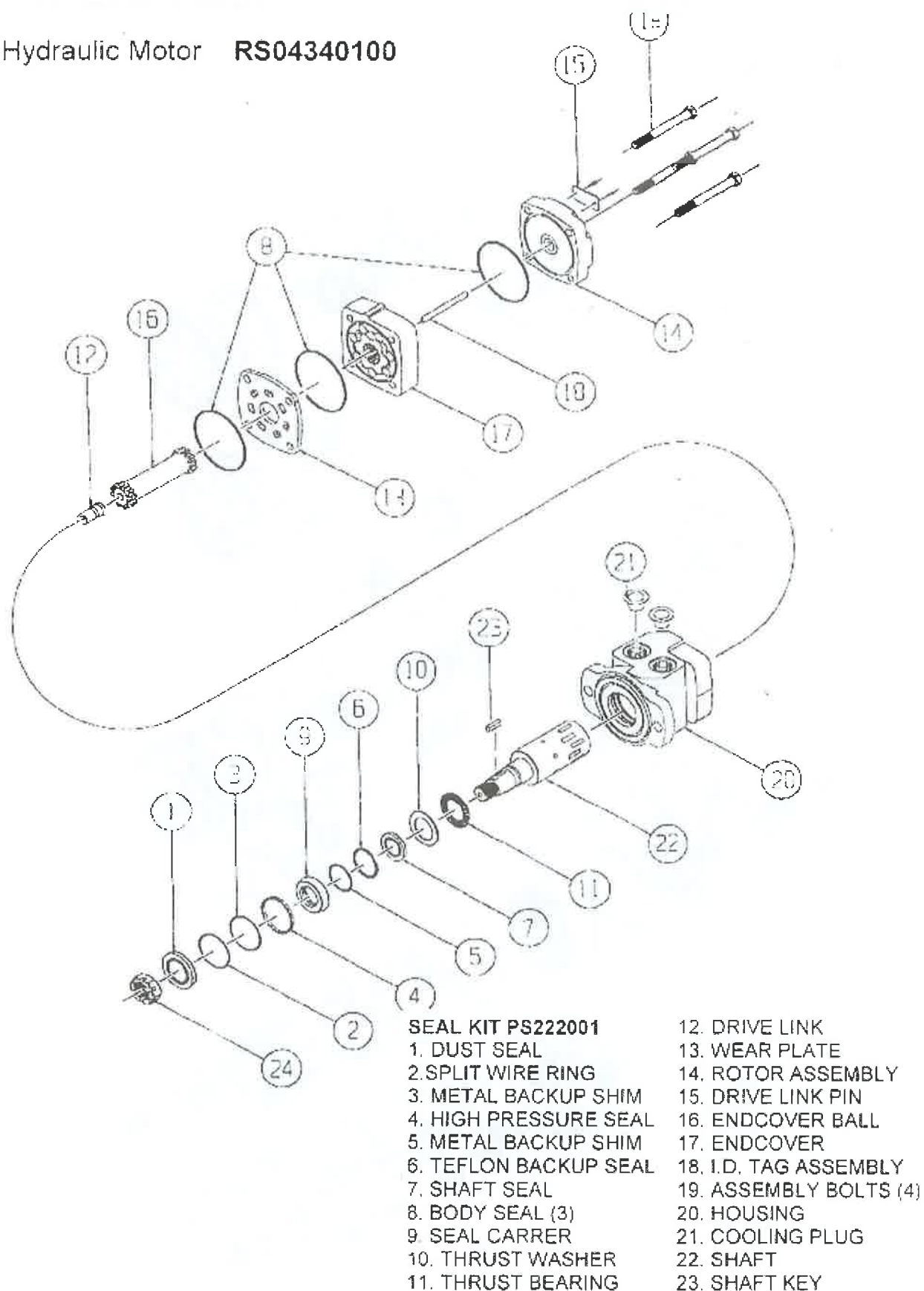
HYDDR Suit current SCS440 and shaft drive pump
HYDDRM Suit current SCS440 and MI pump
HYDDRC Suit older controllers comes with RPM console, suits shaft drive pump
HYDDRCMI Suit older controllers comes with RPM console, suits MI pump



PUMPCOVER250
PUMPCPVER160 (same but bent edges)



Hydraulic Motor RS04340100



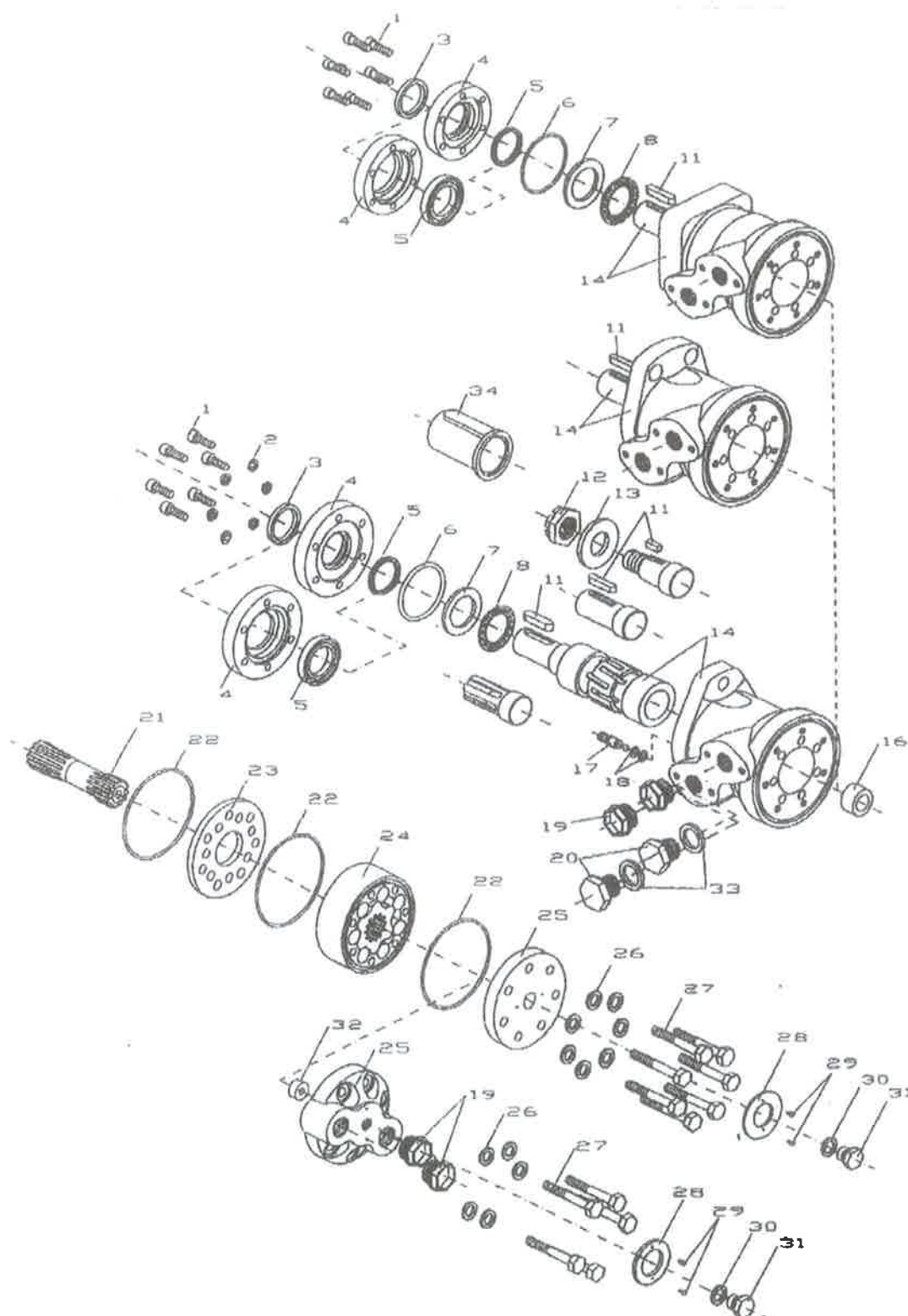
SEAL KIT PS222001

- | | |
|-----------------------|------------------------|
| 1. DUST SEAL | 12. DRIVE LINK |
| 2. SPLIT WIRE RING | 13. WEAR PLATE |
| 3. METAL BACKUP SHIM | 14. ROTOR ASSEMBLY |
| 4. HIGH PRESSURE SEAL | 15. DRIVE LINK PIN |
| 5. METAL BACKUP SHIM | 16. ENDCOVER BALL |
| 6. TEFLON BACKUP SEAL | 17. ENDCOVER |
| 7. SHAFT SEAL | 18. I.D. TAG ASSEMBLY |
| 8. BODY SEAL (3) | 19. ASSEMBLY BOLTS (4) |
| 9. SEAL CARRIER | 20. HOUSING |
| 10. THRUST WASHER | 21. COOLING PLUG |
| 11. THRUST BEARING | 22. SHAFT |
| | 23. SHAFT KEY |



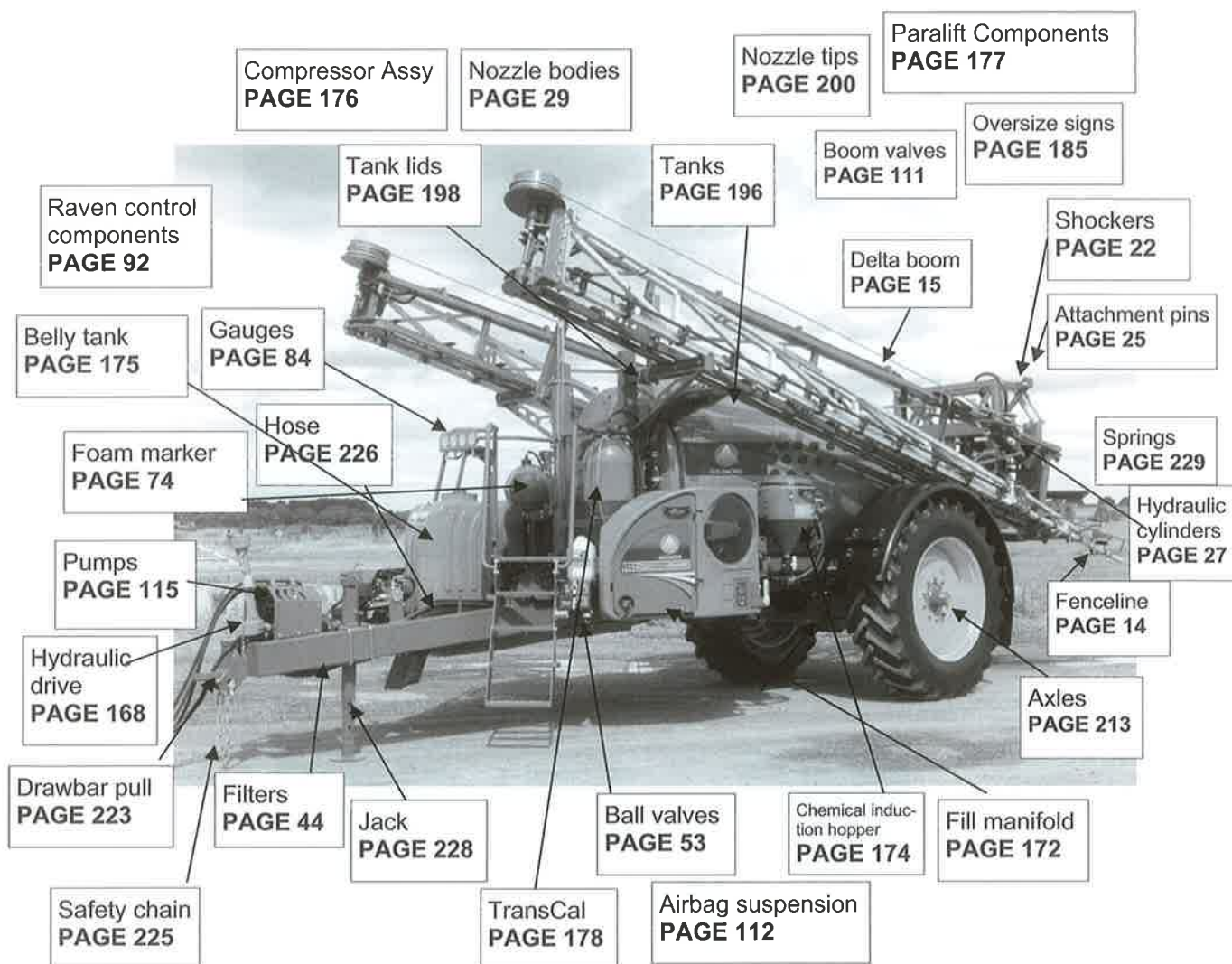
Hydraulic drive motor **67146**

Seal kit to suit **67996**





Goldacres Prairie Advance Sprayer





2" Suction 3 way ball valve
4542237 (30 Mesh Screen)

2" Suction Filter
317072

2" Elbow
116752

2" Nut
200070

2" Suction Hose
HOS51S



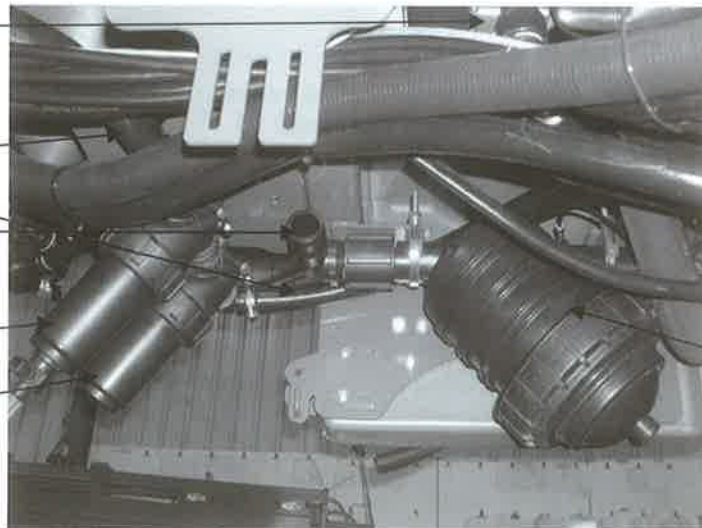
Fast Close Valve
(edge of pic)
0630172172

1" Pressure Hose
HOS25P

2" Pressure Hose
HOS51S

Flush Pressure Filter
3262164 (100 Mesh)

Pressure Filter
32820535



2" Fill Filter (50 Mesh)
8118016

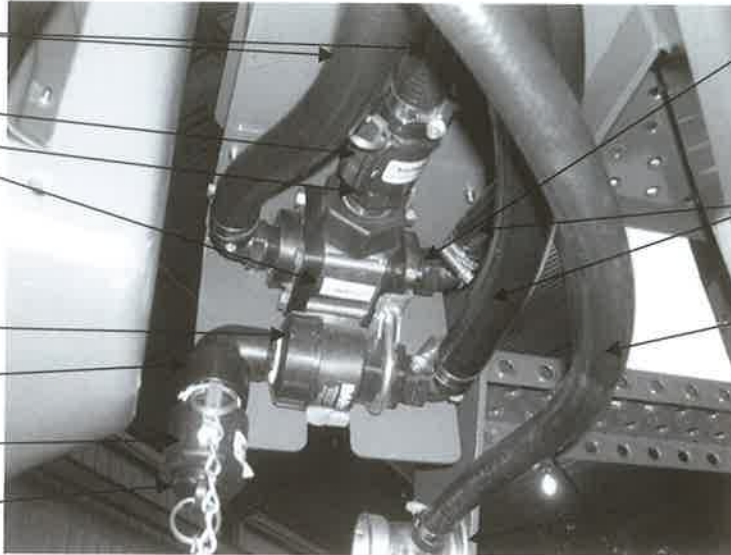


1" Suction Hose
HOS25PVC
100C
100F

1" 3 Way Ball valve
V100BL

1" Ball Valve
UV100 FP
1" Street Elbow
SE100

1" Cam Lever
100B
1" Plug
100PL



1" Elbow
EL100

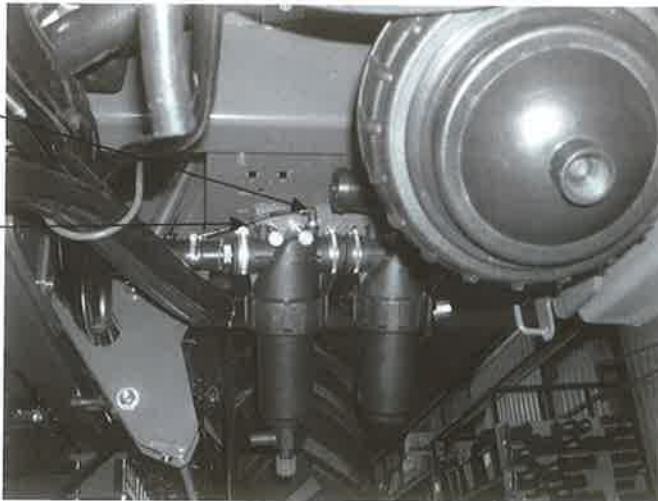
1" Suction Hose
HOS25PVC

3/4" Pressure Hose
HOS20P

Enviro Rinse Cou-
pler

Hydrostatic Elbow
EL6-P/T-1/4

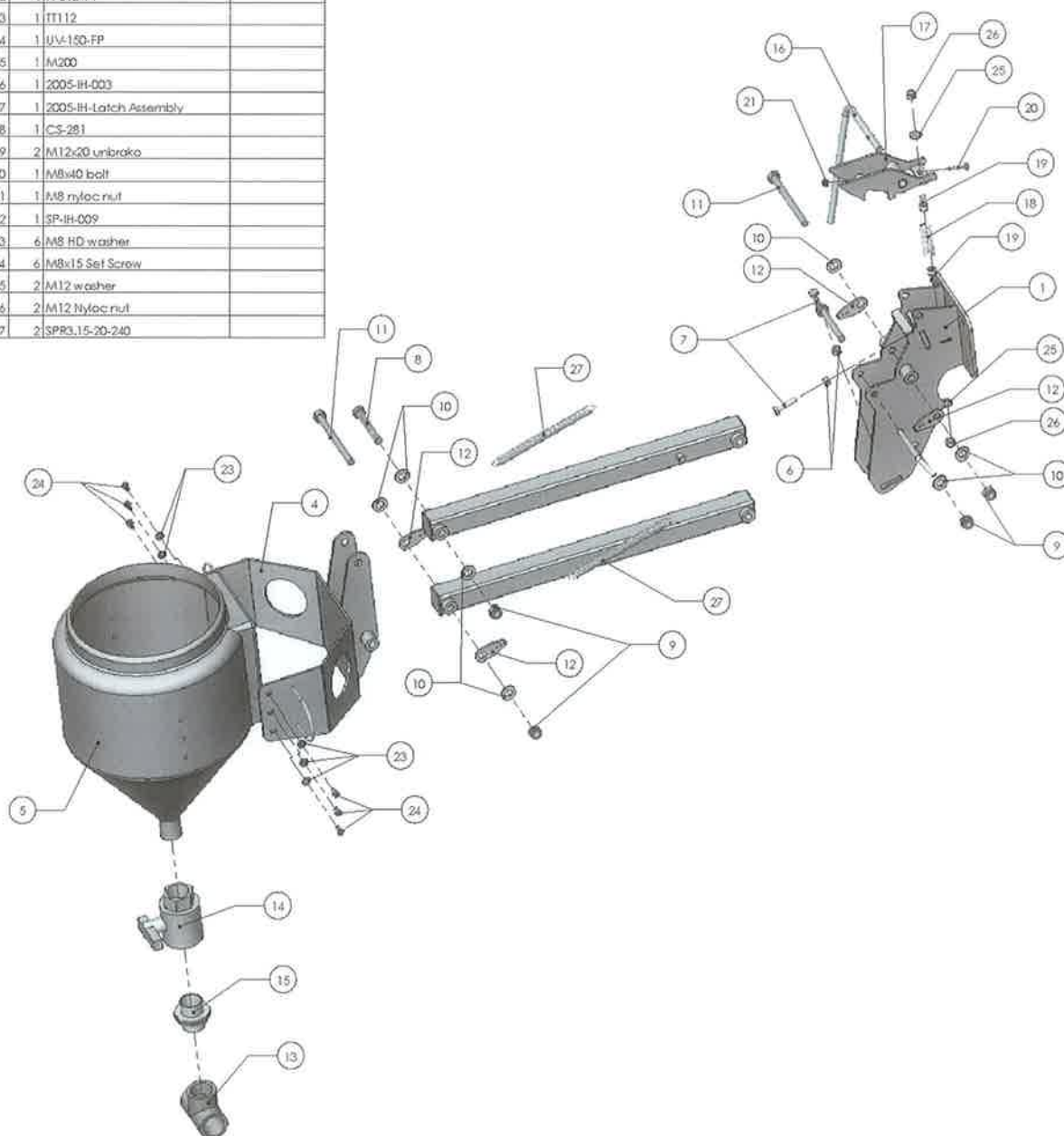
6mm Hydrostatic
Hose **E8MP-06**





40 LITRE CHEMICAL INDUCTION HOPPER

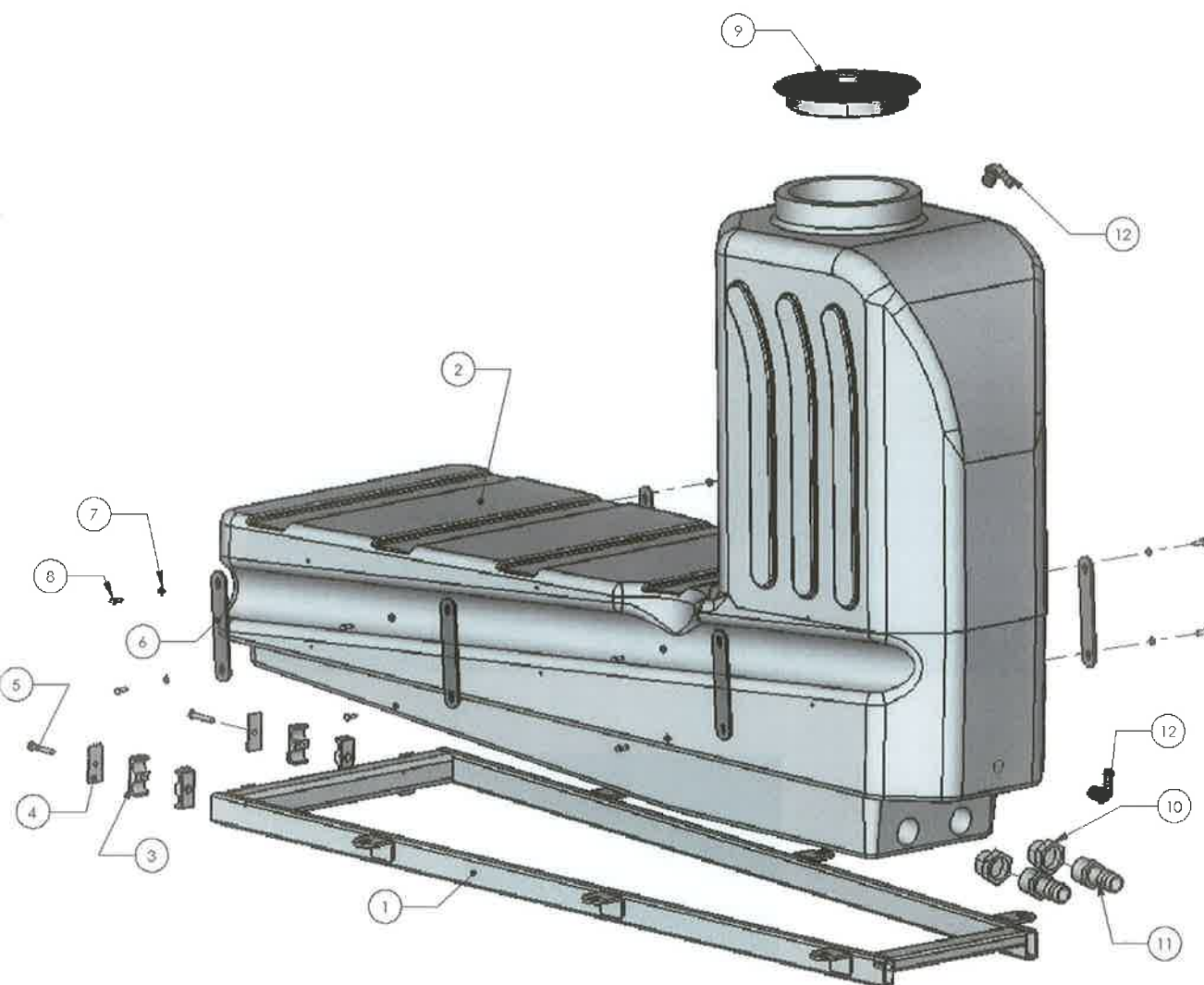
| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|----------|------|------------------------|-------------|
| 1 | 1 | 2005-IH-subassem-03 | |
| 2 | 1 | 2005-IH-subassem-02 | |
| 3 | 1 | 2005-IH-subassem-01 | |
| 4 | 1 | SP-IH-subassem-03 | |
| 5 | 1 | TNK40 Hopper tank | |
| 6 | 2 | M12 Plain nut | |
| 7 | 2 | M12x45 bolt | |
| 8 | 2 | M16x130 bolt | |
| 9 | 4 | M16 Nyloc nut | |
| 10 | 8 | M16 washer | |
| 11 | 2 | M16x180 bolt | |
| 12 | 4 | F70121A | |
| 13 | 1 | TT112 | |
| 14 | 1 | UV-150-FP | |
| 15 | 1 | M200 | |
| 16 | 1 | 2005-IH-003 | |
| 17 | 1 | 2005-IH-Latch Assembly | |
| 18 | 1 | CS-281 | |
| 19 | 2 | M12x20 unbrako | |
| 20 | 1 | M8x40 bolt | |
| 21 | 1 | M8 nyloc nut | |
| 22 | 1 | SP-IH-009 | |
| 23 | 6 | M8 HD washer | |
| 24 | 6 | M8x15 Set Screw | |
| 25 | 2 | M12 washer | |
| 26 | 2 | M12 Nyloc nut | |
| 27 | 2 | SPR3.15-20-240 | |





ADVANCE 400 LT BELLY TANK

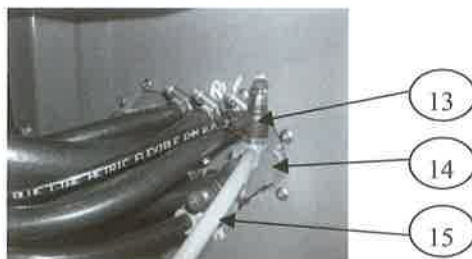
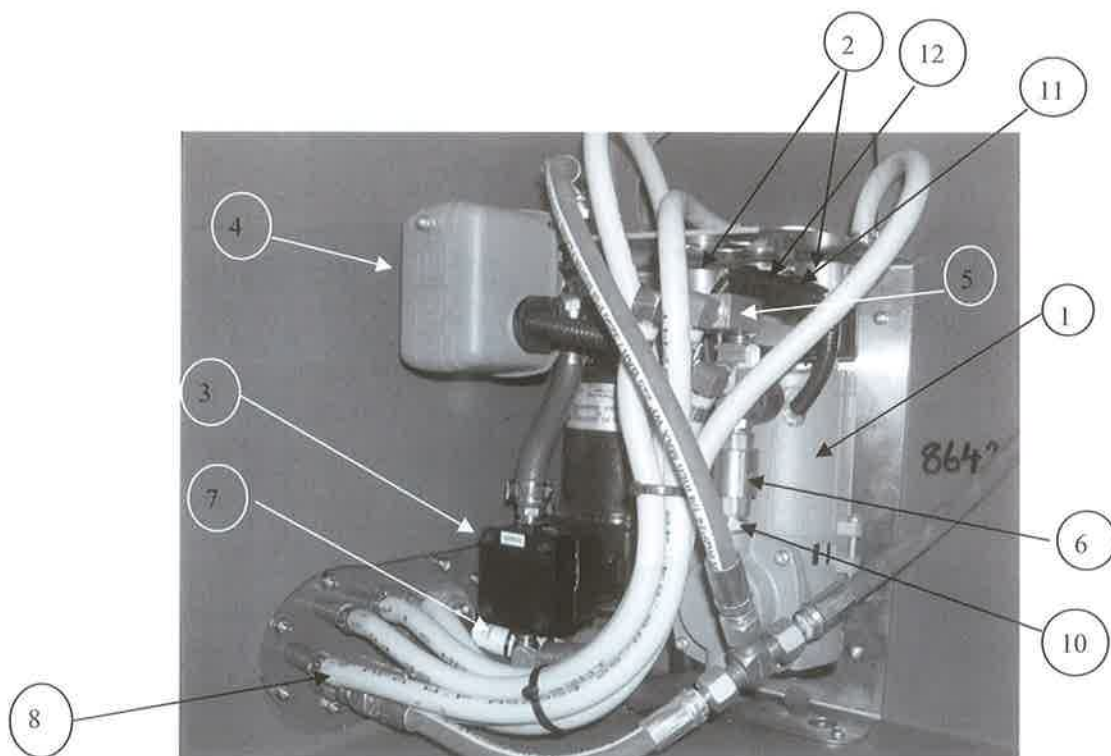
| ITEM NO. | PART NUMBER |
|----------|--------------------|
| 1 | Tank support frame |
| 2 | TNK400-BOD |
| 3 | RCD-22J |
| 4 | RCD-3PT |
| 5 | M8x50 Bolt |
| 6 | F70681A |
| 7 | M6 SS Washer |
| 8 | M6x20 bolt |
| 9 | 352 022 Small Lid |
| 10 | RB112114 |
| 11 | A114 |
| 12 | EL12 |





Compressor Assembly

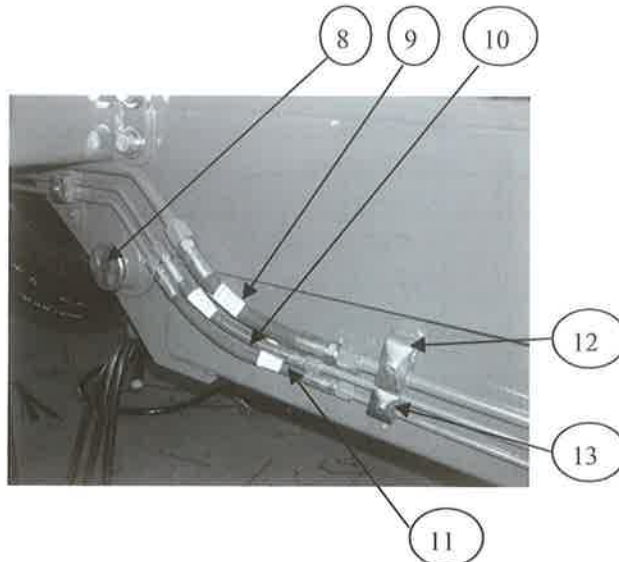
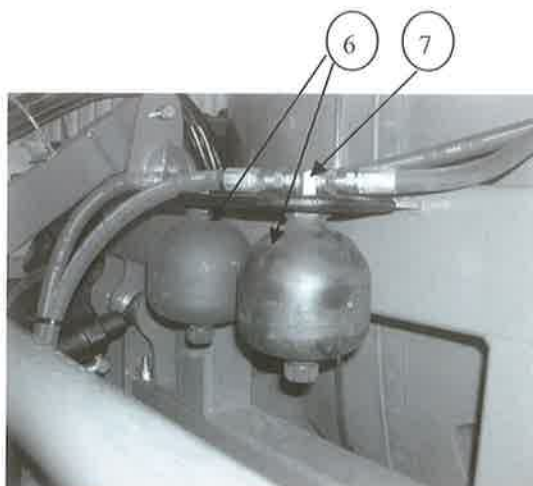
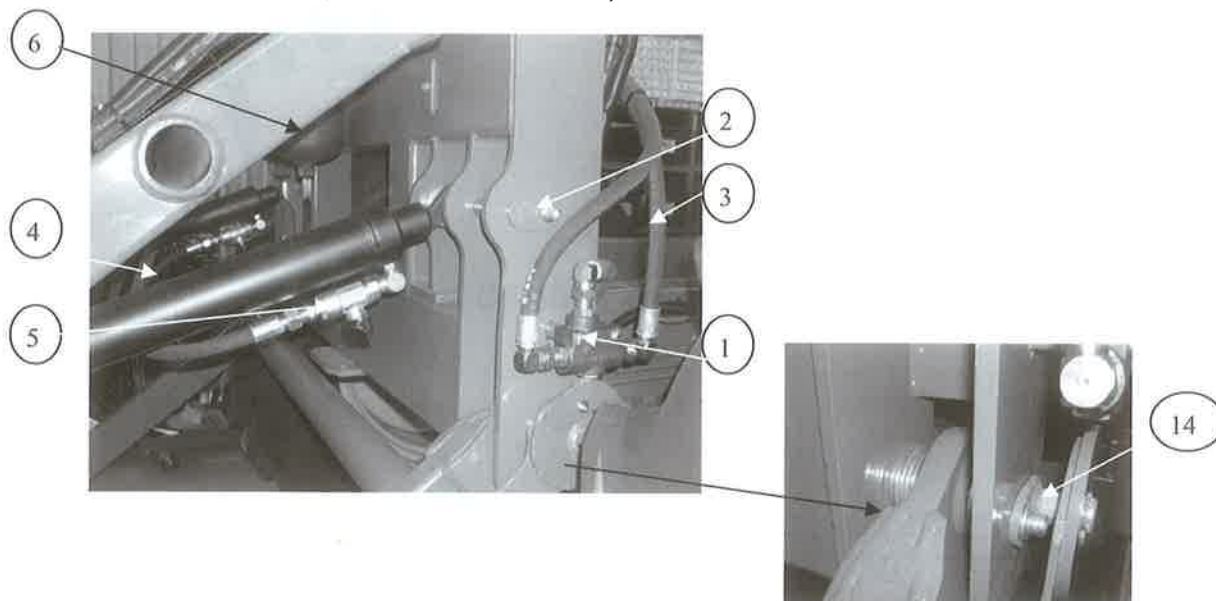
| | | |
|----|----------------------------|------------------|
| 1 | Foam marker compressor | 107CDC20 |
| 2 | Liquid solenoids | 4Q3M-ANBT-75D7 |
| 3 | Airbag compressor | 327CDC56/12 |
| 4 | Pressure switch | 9013FHGJ27B7PU |
| 5 | Air divert solenoid | 37A-AF0-HDFA-1BA |
| 6 | 3/8" York valve | YORK 3/8 |
| 7 | Cabinet Loom | ELEC-LM-028 |
| 8 | 7mm Pressure Hose | HOS7P |
| 9 | Rubber Grommet (not shown) | M3393 |
| 10 | Reducing nipple 3/8 x 1/8 | 73-3/8x1/8 |
| 11 | Male 2 pin plug | 12015792 |
| 12 | Female 2 pin plug | 12010973 |
| 13 | 1/4" Needle valve | 7061.06.13 |
| 14 | 1/4" Brass female tee | 35-1/4 |
| 15 | 6mm Hydrostatic tube | E1000-02BL |





Advance Paralift Components

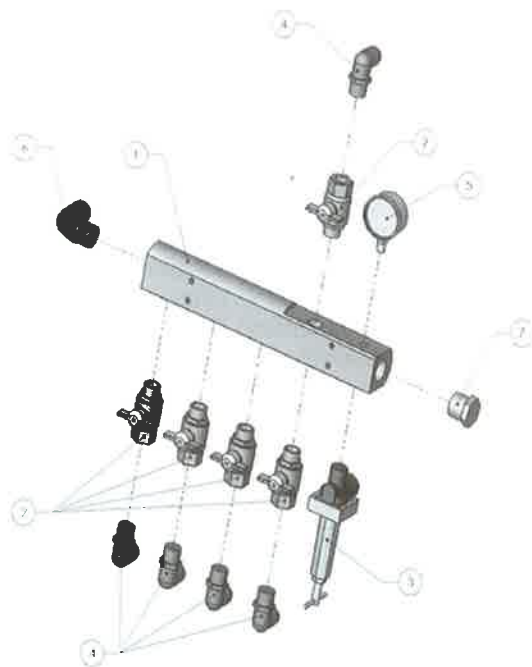
- | | | |
|-----|------------------------------------|--------------------|
| 1. | Ride high control valve | 700004 |
| 2. | Attachment pin 250mm x 1" | PIN-1-250 |
| 3. | 1/2" Hydraulic hose | HL29-GA |
| 4. | 2.5" Bore x 20" str cylinder | G0 300-13 |
| 5. | 1/2" High pressure ball valve | HIP 015 |
| 6. | 1 Ltr Accumulator 35 Bar | SBO200-1E112F200AK |
| 7. | Hydraulic Tee piece | S83-3 |
| 8. | Chassis Pin 190mm 40mm | PCH-019MACH |
| 9. | 1/2" Hydraulic Chassis Hose | HL27/GA |
| 10. | 1/4" Hydraulic Chassis Middle Hose | HL26/GA |
| 11. | 1/4" Hydraulic Chassis Bottom Hose | HL25/GA |
| 12. | Green Double hose clamp 14mm | RCD-14 |
| 13. | Green Double hose clamp 10mm | RCD-10 |
| 14. | Para-Lift Pin (MACH0013 & F70014A) | PIN-118-PARA |





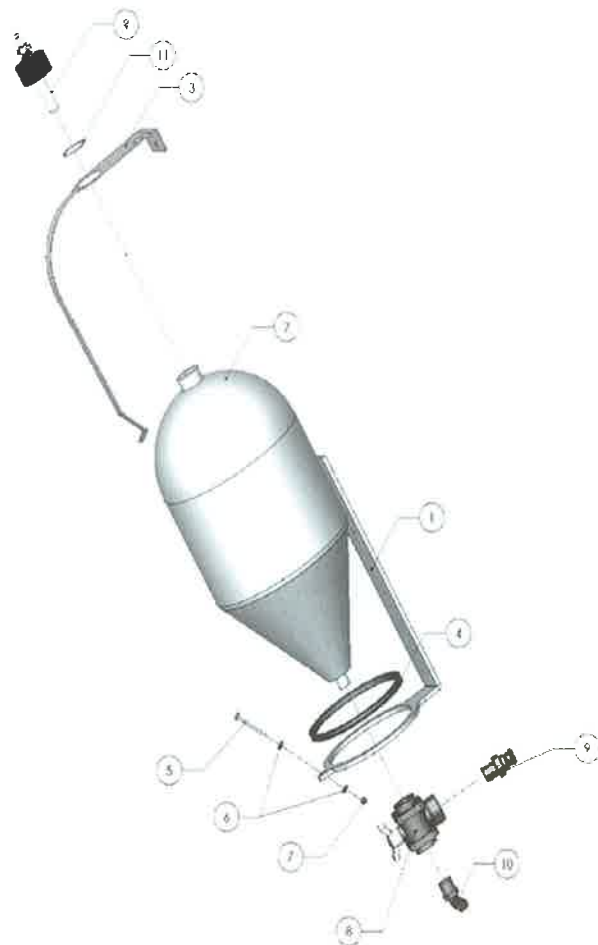
Advance Pressure Manifold

| ITEM NO. | PART NUMBER |
|----------|-------------------|
| 1 | MACH0314 |
| 2 | BV-20MF-B |
| 3 | 8460 Relief Valve |
| 4 | EL34100 |
| 5 | GUAGE-SM140 |
| 6 | EL100114 |
| 7 | F100 |



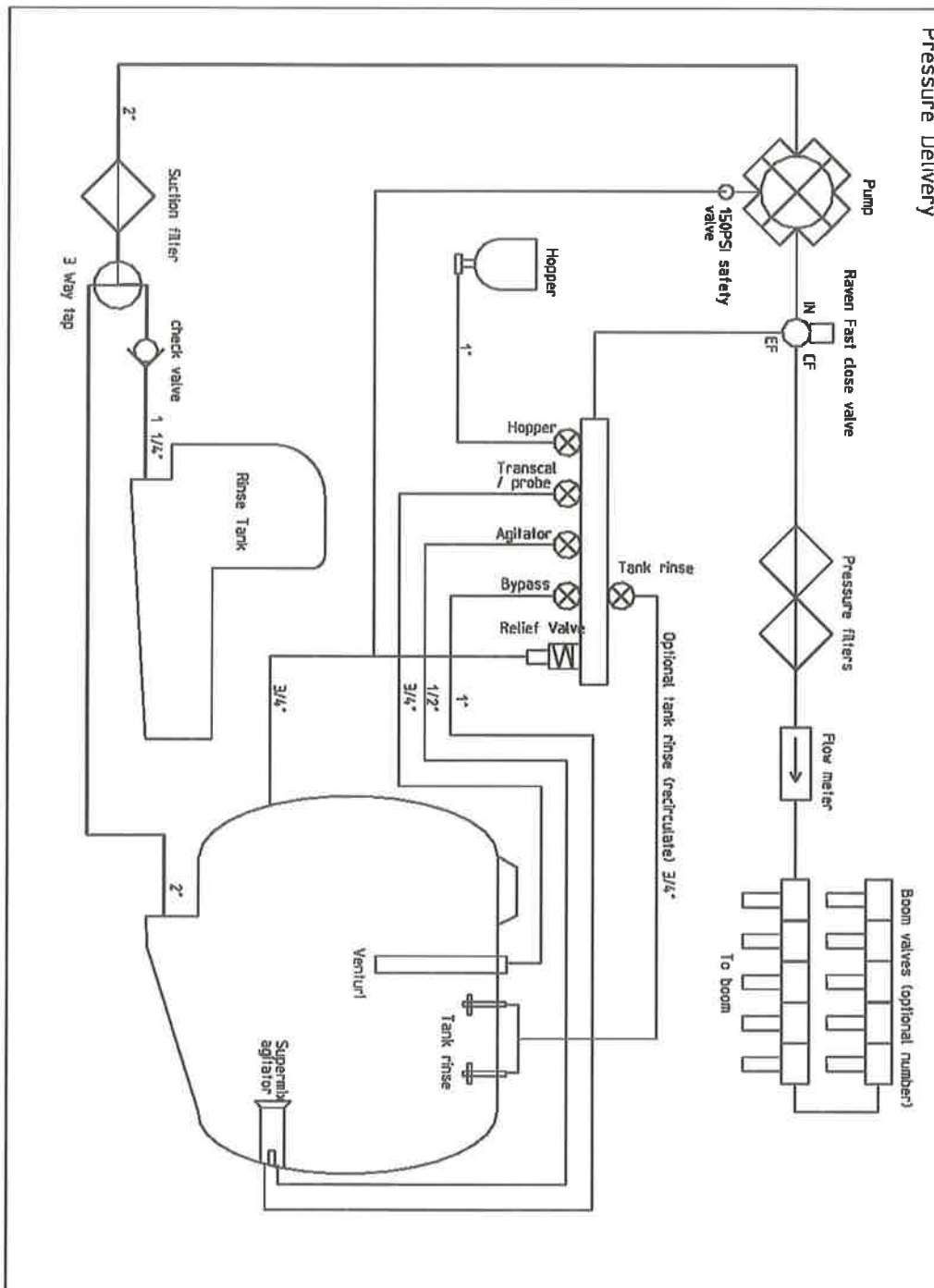
Advance Transcal

| ITEM NO. | QTY. | PART NO. |
|----------|------|---|
| 1 | 1 | F70608A |
| 2 | 1 | TNK45 Transcal Tank |
| 3 | 1 | F70623A bend |
| 4 | 1 | 10570737 - Pinch weld |
| 5 | 1 | M8x80 Bolt |
| 6 | 2 | M8 HD washer |
| 7 | 1 | M8 nyloc nut |
| 8 | 1 | V-100-BL ball valve |
| 9 | 1 | 100F - Male adaptor-Male thread |
| 10 | 1 | EL100 - Male taper pipe thread hose barb |
| 11 | 1 | FMO50x5 - O ring |
| 12 | 1 | L055AC - Transcal tank rinse asembly complete |



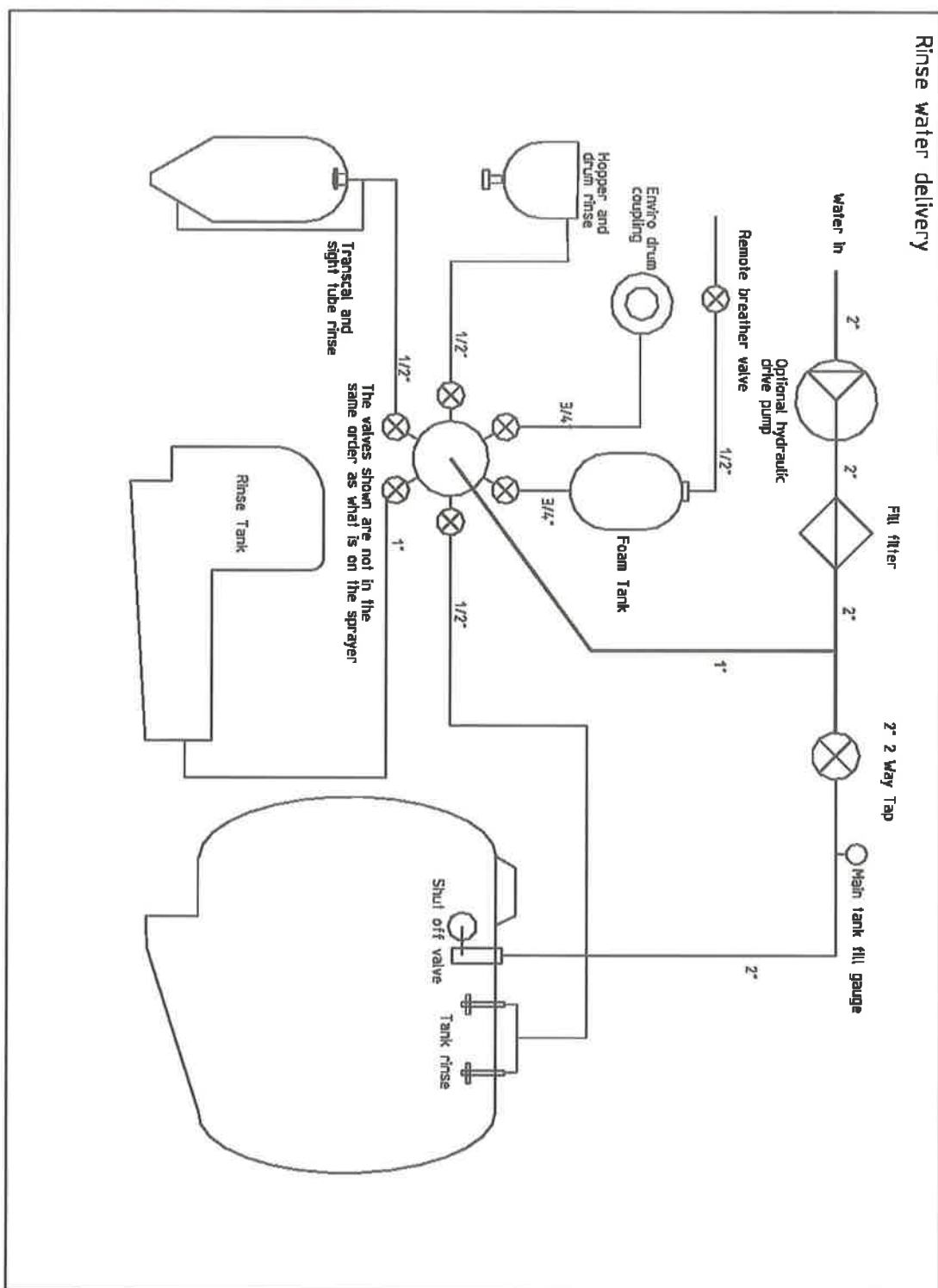


Pressure Schematic



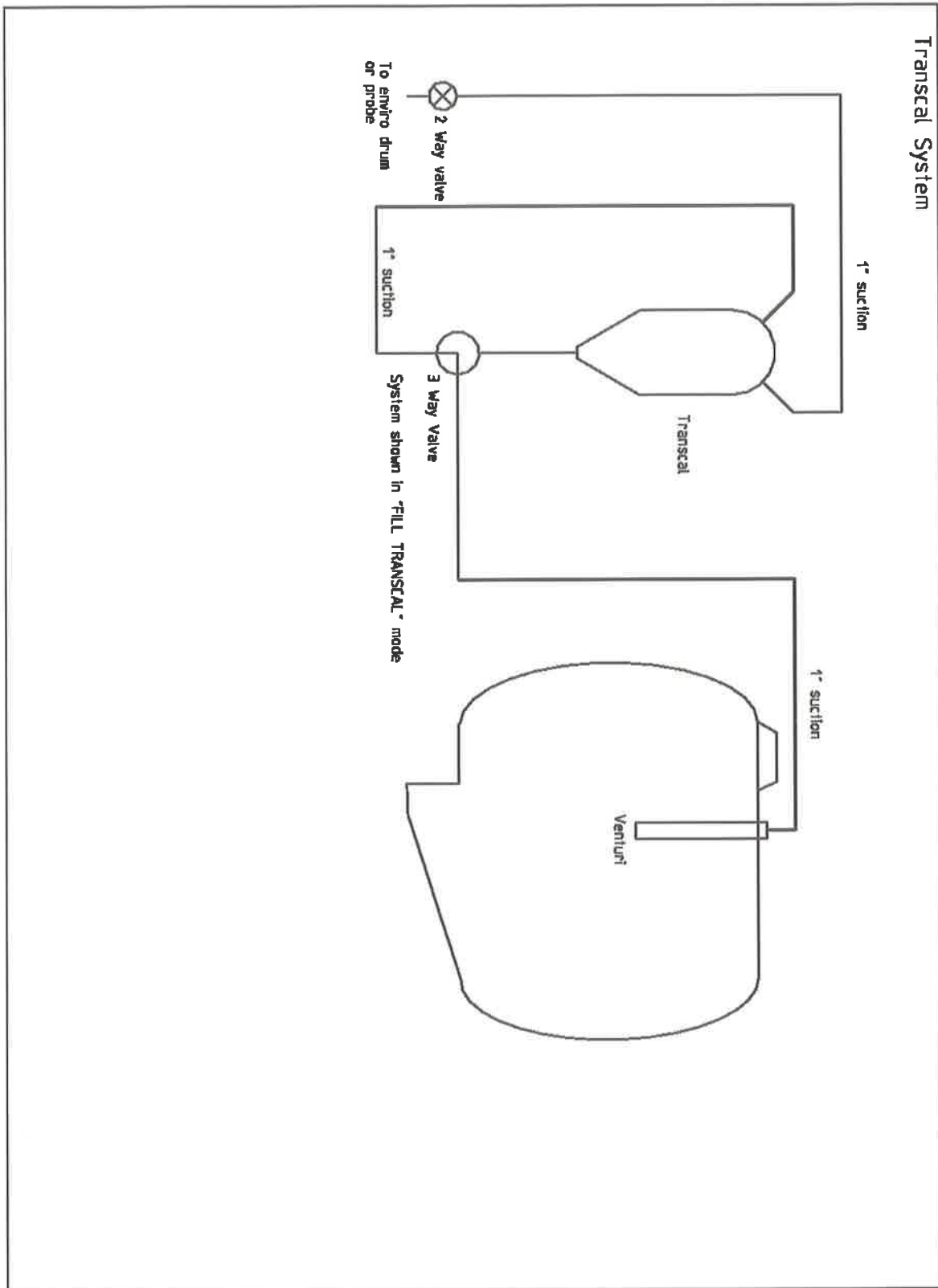


Rinse Water Schematic





Transcal system Schematic





BRASS FITTINGS

MALE TAILPIECE

| | |
|-------------------------|--|
| 1/4" Thread x 1/2" Barb | P3-1/2X1/4 (AA30L GunJet) |
| 1/2" Thread x 1/2" Barb | P3-1/2X1/2 (hose reel nylon tubing adaptor) |
| 3/8" Thread x 1/4" Barb | P3-1/4X3/8 (Std Foam Marker One-way valve) |
| 3/8" Thread x 1/2" Barb | P3-1/2X3/8 |
| 1/4" Thread x 1/4" Barb | P3-1/4X1/4 |
| 1/8" Thread x 1/4" Barb | P3-1/4X1/8 |
| 1/2" Thread x 3/8" Barb | P3-3/8X1/2 |
| 1/4" Thread x 3/8" Barb | P3-3/8X1/4 |
| 1/4" F/male x 1/2 Barb | P10-1/2x1/4 |



Male thread

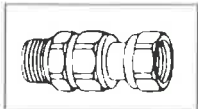


Female thread



MALE ELBOW

| | |
|--------------------------|--------------------|
| 1/4" Thread x 1/2" Barb | P6-1/2X1/4 |
| 1/4" Thread x 1/4" Barb | P6-1/4X1/4 |
| 1/8" Thread x 5/16" Barb | P6-5/16X1/8 |
| 1/8" Thread x 1/4" Barb | P6-1/4X1/8 |

NUT AND TAIL
(STRAIGHT)1/2" (13mm) **006330**

BRASS SWIVEL

1/2" NPT Hose reel swivel **11990-17**
(option for AA43 GunJet)
1/4" NPS **11990-6**
(option for AA30L GunJet)



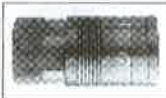
OLIVE

1/2" Universal olive
100-1/2 (Hose Reel)



COMPRESSION NUT

1/2" OD **002-08**
(Hose Reel)

45° MALE / FEMALE
ELBOW1/4" **59X45-1/4**QUICK-RELEASE COUPLING
(FEMALE)1/4" Thread (Female) **200**

HEX NIPPLE

| | |
|------|---------------|
| 1/8" | 27-1/8 |
| 1/4" | 27-1/4 |
| 3/8" | 27-3/8 |
| 1/2" | 27-1/2 |
| 3/4" | 27-3/4 |
| 1" | 27-16 |



HEX REDUCING NIPPLES

| | |
|-----------|-------------------|
| 1/8"-3/8" | 73-1/8X3/8 |
| 1/8"-1/2" | 73-1/8X1/2 |
| 1/2"-1/4" | 73-1/2X1/4 |
| 1/4"-1/8" | 73-1/4X1/8 |
| 3/8"-1/4" | 73-3/8X1/4 |
| 1"-1/2" | 73-1X1/2 |



ELBOW - MALE X FEMALE

| | |
|----------|----------------|
| 1/2" BSP | 25C-1/2 |
| 3/4" BSP | 25C-3/4 |
| 1" BSP | 25C-1 |



NUT AND TAIL (ELBOW)

1/2" (13mm) **006530**
(Supermix Agitator)



FEMALE CONNECTOR

1/2" x 1/2" to attach nylon tubing to
hose reel swivel or 1/2" hose
10-1/2X1/2



TAPER PLUG

| | |
|------|---------------|
| 1/4" | 64-1/4 |
| 1/2" | 64-1/2 |
| 3/4" | 64-3/4 |



DOUBLE UNION

1/2" **Z4-1/2**

FEMALE T PIECE

| | |
|------|---------------|
| 1/8" | 35-1/8 |
| 1/4" | 35-1/4 |
| 1/2" | 35-1/2 |

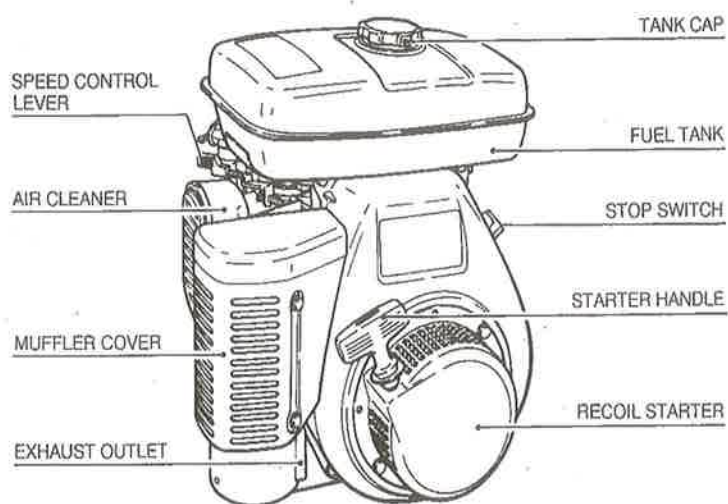
QUICK-RELEASE COUPLING
(MALE)1/4" Hose **205**

HEX SOCKET

| | |
|------|---------------|
| 1/4" | 26-1/4 |
| 3/8" | 26-3/8 |
| 1/2" | 26-1/2 |

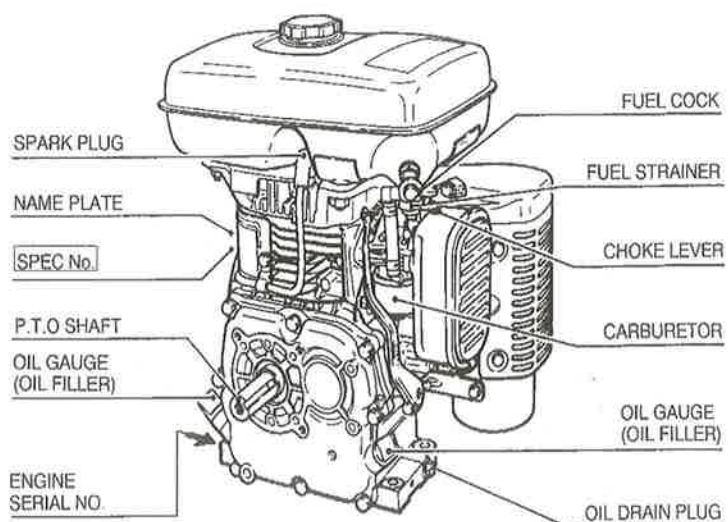


ROBIN ENGINES - HORIZONTAL SHAFT



| | |
|----------------|-----------------------|
| EY15DU | 3.5 HP |
| EY20DU | 5 HP |
| EY28DR | 7.5 HP |
| EY28DRS | 7.5 HP ELECTRIC START |

| | |
|-------------------|-----------------------|
| 2273261007 | Robin EY20 Air Filter |
| 2343260407 | Robin EY28 Air Filter |



HONDA ENGINES

| | |
|--------------------|---|
| GX120K1-QXU | 4 HP suit Kappa 30 (3/4" shaft) |
| GX160K1-QXU | 5.5 HP suit RO70 & RO106 (3/4" shaft) |
| GX200-HXU | 6.5 HP suit RO121 (3/4" shaft 6:1 reduction gearbox) |
| GX270-HX8 | 9 HP suit RO160 & RO210 (1" shaft 6:1 reduction gearbox) |
| GX270-HEA8 | 9 HP suit RO160 & RO210 (6:1 reduction gearbox, electric start) |



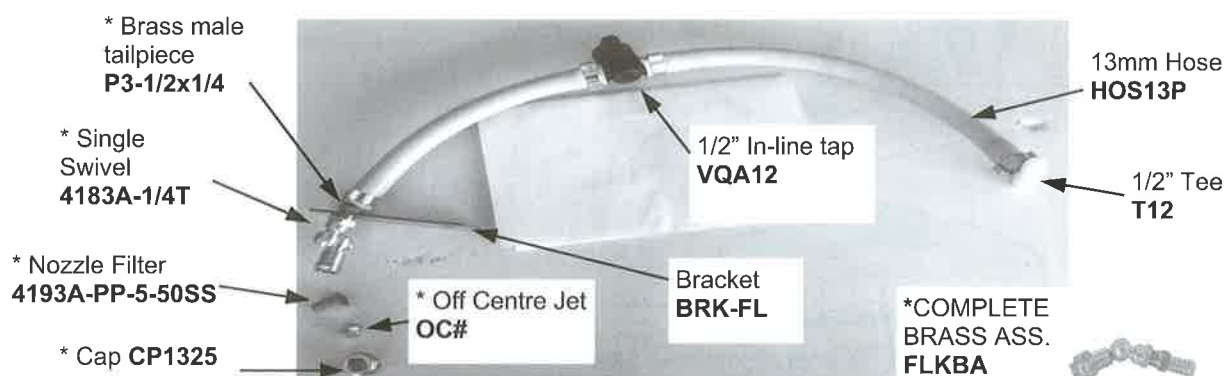
FENCELINE KITS

The fenceline jet is designed to enable the operator to spray right up to the boundary fence without having the boom really close to the fence. The angle of the off-centre jet can be altered to suit particular spray applications but it should enable the boom to be inside the fence by about 1 metre and still be able to spray to the fence. This should prevent operators from putting the boom into the fence, especially important when the boom is relatively new and the operator is not familiar with the width of the boom. The fenceline jet must be turned off after the end of the first lap and this can be done either manually via a tap or remotely via an optional electric solenoid (controlled in the cabin).

Note: The off-centre spray tips are only available in brass and hence have a relatively low wearing capacity. Thus it would be advisable to periodically check the nozzle capacity to ensure that nozzle wear is not affecting the application rate.

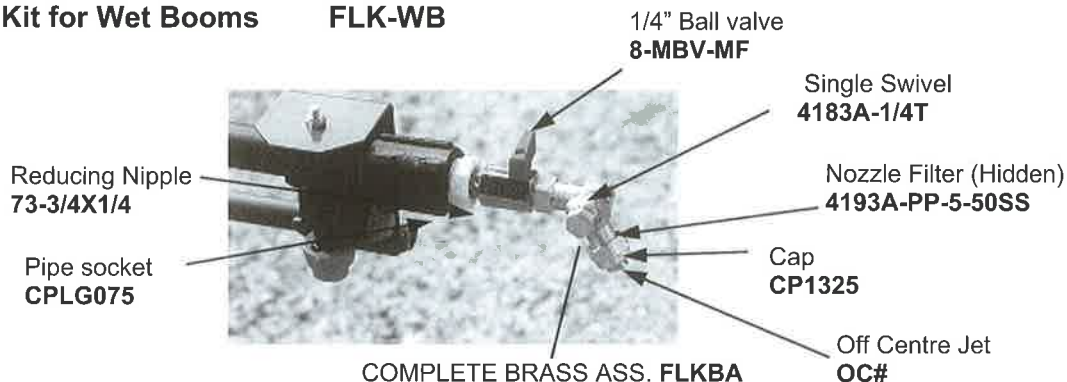
Fence Line Kit for Dry Booms

FLK



Fence Line Kit for Wet Booms

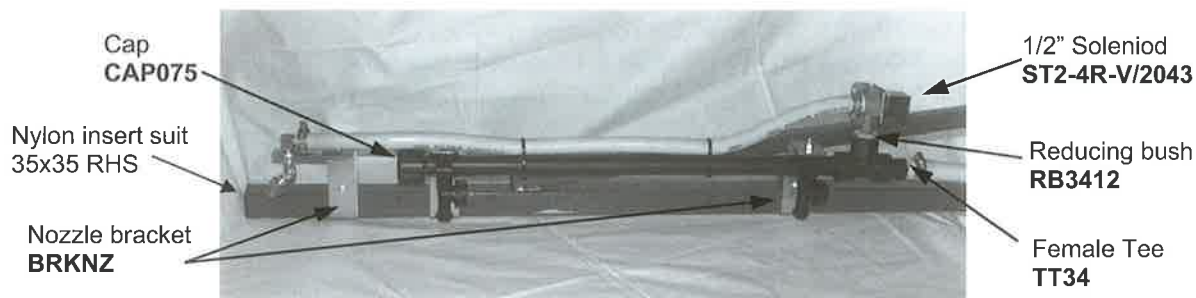
FLK-WB



Fence Line Kit for Wet Booms with Solenoid

FLJVLV

Please specify length of boom when ordering.





GOLDACRES OVERSIZE SIGNS

Goldsigns are designed for attaching to any implement being towed on public roads, or to the towing vehicle. They are manufactured from durable materials for long life and maximum clarity. The 1700 mm wide and 560 mm high with the word "OVERSIZE" on it.

This sign is being fitted to the rear of current model Prairie sprayers, and **does not feature tail lighting**.

Goldacres Oversize sign **GSIGNFRONT**



Oversize sign fitted without tail lights.

CHECK YOUR LOCAL AREA FOR REGULATIONS THAT MAY APPLY TO YOU WHEN TOWING. THERE MAY BE REQUIREMENTS SUCH AS MAXIMUM WIDTHS AND LENGTHS, ROTATING LIGHTS, RESTRICTED ROADWAYS AND OTHER LIMITATIONS. IT IS YOUR RESPONSIBILITY TO ENSURE THAT YOU CONFORM WITH ALL REGULATIONS.



PARTS FOR GOLDACRES ORCHARD SPRAYER

D460076 MTPXC Gearbox for 32"

D460077 MTPXC Gearbox for 36"

D574141 36" VVM Fan

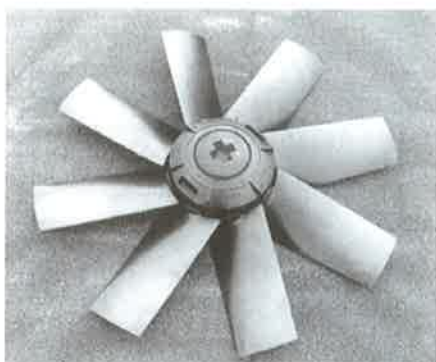
D274080 36" Fan blades

TOP Top air directors with nozzles

Also available: 32" Turbofan super, 36" Turbofan super, Standard flip nozzles, Flip/Click nozzles.

Note: Gears may be angled.

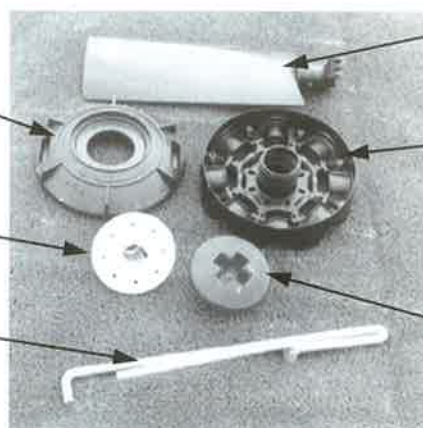
FAN



Adjusting nut
D142009

Flange
D301129

Adjustor arm
D101010



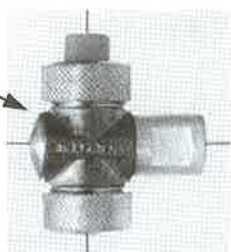
36" Fan blade
D274080

Flange Hub
D274047

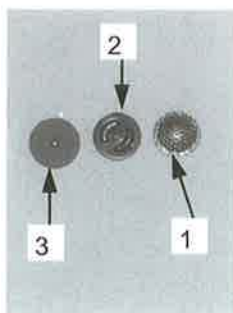
Adjuster Hub
D274046

Locking nut
D745042

FLIP NOZZLE D822150



**FLIP NOZZLE
D3105**



| POS. NO. | PART NO. | DESCRIPTION |
|----------|--|--|
| 1 | 005802 005803 | Jet screen Seal |
| 2 | 005910 005912 005915 005918 | Stainless Steel disk (1mm) Stainless Steel disk (1.2mm) Stainless Steel disk (1.5mm) Stainless Steel disk (1.8mm) |
| 3 | 005808 005810 005812 005815 005818 005820 | Orifice disks (0.8mm) Orifice disks (1mm) Orifice disks (1.2mm) Orifice disks (1.5mm) Orifice disks (1.8mm) Orifice disks (2mm) |



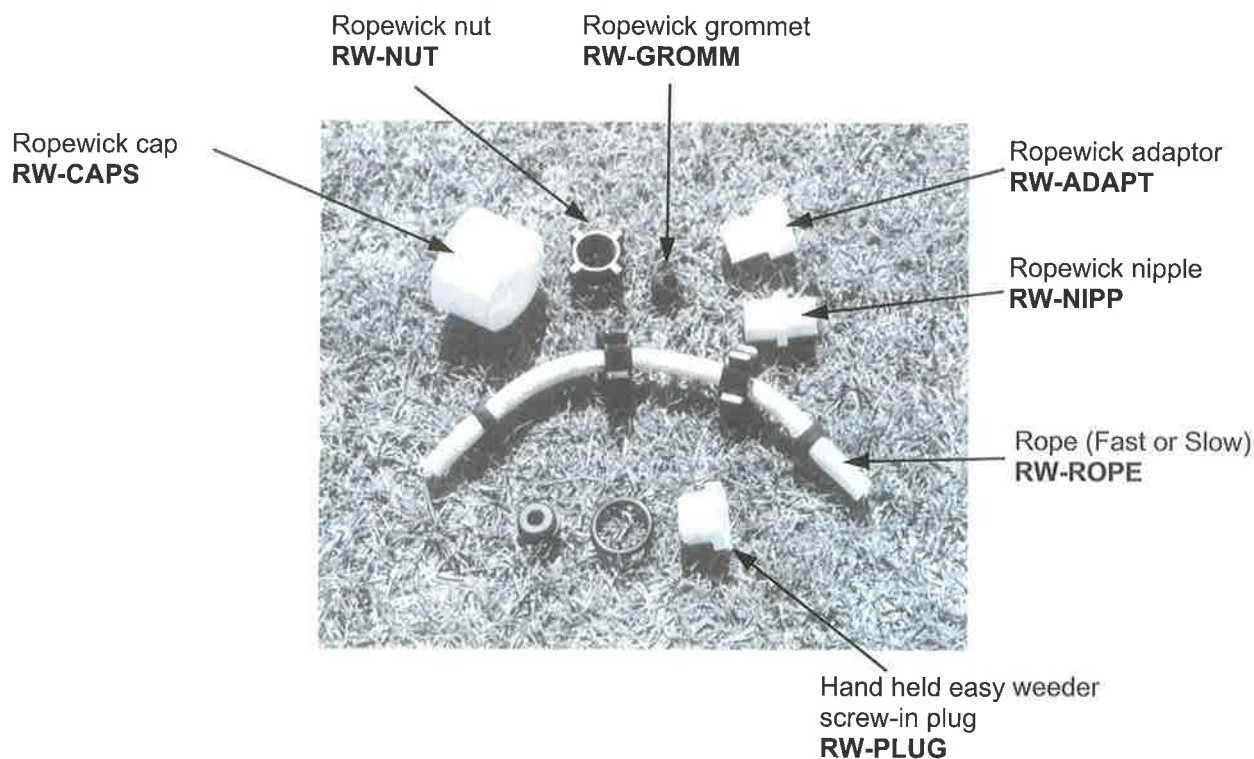
GOLDACRES ROPEWICK SECTIONS



- Pipe complete with ropes, grommets, nipples, nuts, end caps and inlet.
- Reinforced 50mm PVC pipe.
- Sections made to order per metre.

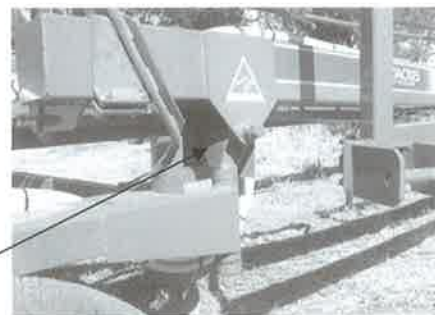
RW-PIPE

GOLDACRES ROPEWICK PARTS





GROUND GLIDER TRAILING PARTS



Trailer Boom Pivot Support Assembly TBPSA—40mm
Trailer Boom Pivot Support Assembly TBPSA50—50mm

TRAILER BOOM WHEEL ASSEMBLIES

Trailer boom complete left wheel assembly less hub & wheel
Trailer boom complete left wheel assembly with hub
Trailer boom complete right wheel assembly less hub & wheel
Trailer boom complete right wheel assembly with hub
Trailer boom wheel assembly less swinging arm, spring & shock

TBWA-L
TBWA-LH
TBWA-R
TBWA-RH
TBWALS

Jet Bracket .

4 Nozzle brackets with pipe **TB4B**
5 Nozzle brackets with pipe **TB5B**
6 Nozzle brackets with pipe **TB6B**

Jet Bracket Arms

Pipe welded each ends suit 4 jet bracket **TB4A**
Pipe welded each ends suit 5 jet bracket **TB5A**
Pipe welded each ends suit 6 jet bracket **TB6A**



Catch Assembly
TBCATCH

Jet Bracket
TB*B



Tee Handle
TB-TH

6mm Nuts
NN6

Bottom Plate
SP4-D

Cover Plate
125203

Green 1/2 clamp
319-PP

Bolts 50 x 6
M50X6



Wet boom clamp
004208



PARTS FOR GOLDACRES DOUBLE ROW DIRECTOR SPRAYER



| Cable | Length (m) |
|-------|------------|
| Front | 4800 |
| Back | 3200 |



Old model

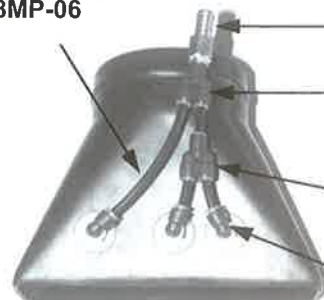


PARTS FOR GOLDACRES DIRECTOR SPRAYER

5" Hose **HOS125**

Round bare air spout (with nozzle mount & bolts)
DIR-SPOUT
 Round spout with bare 3-way nozzle body
DIR-SPOUT3BB-BARE
 Round spout with 3-way nozzle body, nozzles & caps
DIR-SPOUT3BB

6mm tubing
E8MP-06

Wide angle air spout **DIR-3INS**

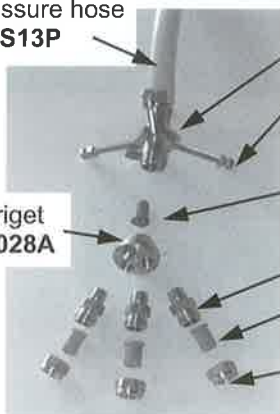
Hose barb
P10-1/2X1/4

Hose joiner
EY6-P/T-1/4

Hose joiner
EYB-6-6

Elbow
EL6-P/T-1/4

Pressure hose
HOS13P



Brass nozzle mount **L038A**

Stainless steel bolts
 6mm x 60mm **M6X60SS**

Check strainer
4193A-PP-5-50SS

Brass Adapter **CP1322**

Nozzle **TXVK#**

Brass cap **CP1325**

Triget
L028A



Single swivel
4183A-1/4T

Brass socket

Hex nipple
27-1/4

Angle bracket
DIR-BRKA

Curved bolt
DIR-CB

Longer angle bracket
DIR-BRKA2

Air spout clamp
DIR-CL

**3-WAY BRASS NOZZLE BODY**

Provides for greater spray coverage and higher application rates with relatively smaller droplets.
DIR-3BB

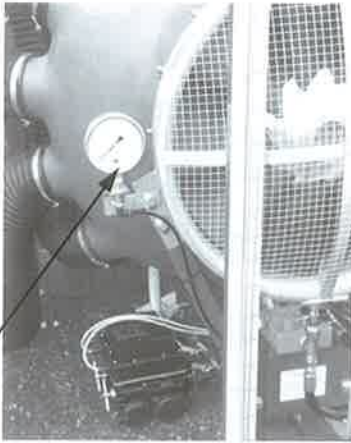
Please specify TX nozzle size when ordering

**3-WAY BRASS NOZZLE BODY (BARE) DIR-3BB-BARE****DIR-5-NEM**

- Director five nozzle encircling manifold.
- Stainless steel.
- Includes mounting bracket.
- Includes nozzle bodies, caps and five x CP3942 blanks.



PARTS FOR GOLDACRES DIRECTOR SPRAYER



Large face hydraulic pressure gauge
GAUGE-LG



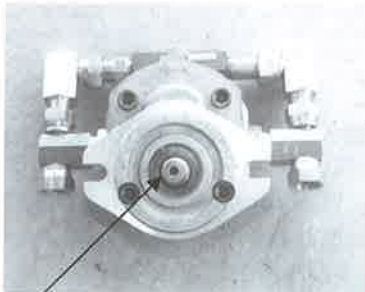
Small face hydraulic pressure gauge
GAUGE-SM-DIR

Handle for hydraulic flow diverter valve
660301002



Hydraulic flow diverter valve
RD19508 (suit single row)
RD19516 (suit double row)

Hydraulic motor
Suit single row
40PO07



Hydraulic motor
Suit double row
40PO10

Hydraulic motor shaft seal
5A0081

Complete coupler, including rubber.
PC97-11/4"C - 6 Splines/11/4"C

PC97-1"C - 6 Splines/1"C

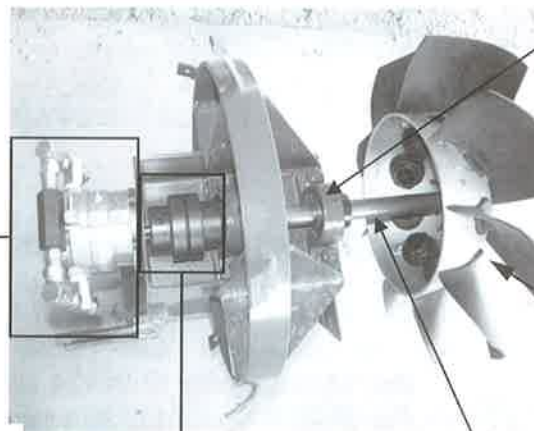
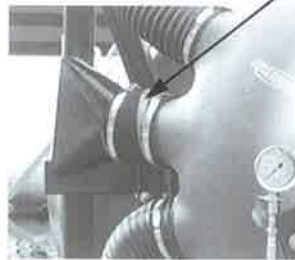
PC97-3/4"C - 6 Splines/3/4"C

PC97 - 5/8"C - 6 Splines/5/8"C

PC97/S - Suit Director Fan 11/4" & 5/8".

Director brass bush (suit turntable hitch)
DIR-BB6

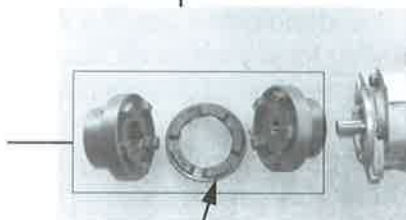
Standard water rubber hose (127mm)
HOS127W



Bearing
NA20711/4C
Housing
P207C

Director fan
DIR-FANS

Shaft
DIR-125-SHAFT



Coupler wear rubber
PC97RUB

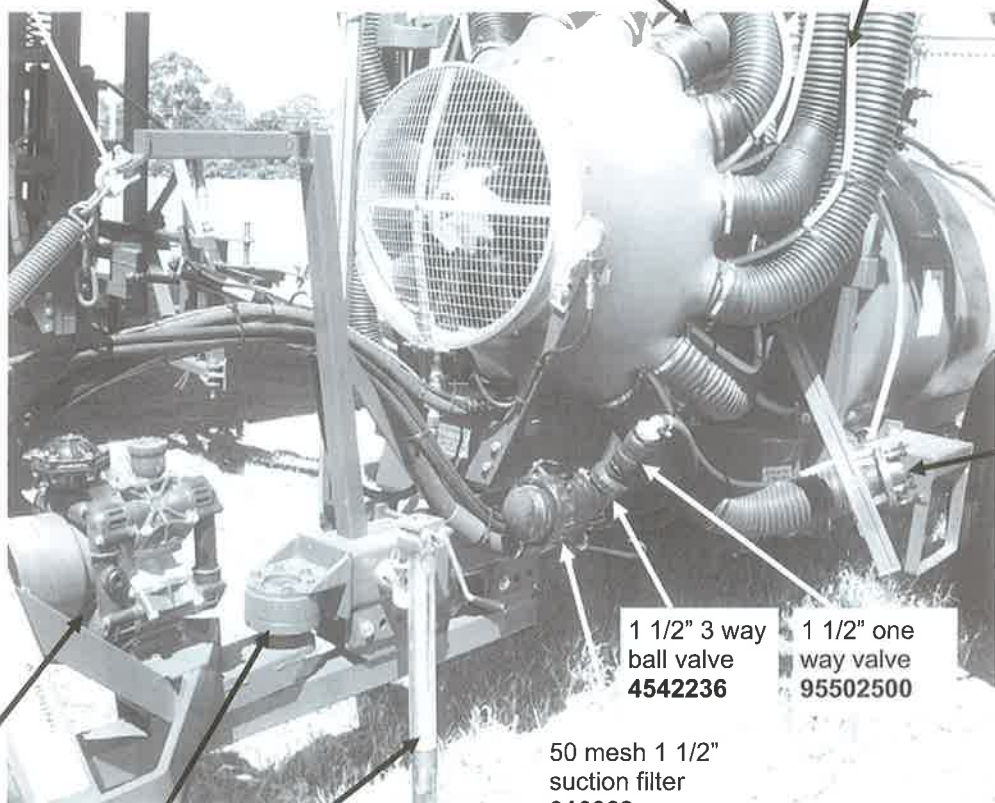


PARTS FOR GOLDACRES DIRECTOR SPRAYER

13mm gal alloy bow shackle
130150516

125mm hose
HOS125

13mm pressure hose
HOS13P



160 Lt/min
Udor pump
RO160

Ball & coupling
B3

Jack
LT3153

Fan
DIR-FANS

50 mesh 1 1/2"
suction filter
316063

1 1/2" 3 way
ball valve
4542236

1 1/2" one
way valve
95502500

Encircling
manifold
DIR-5NEM

Single row has RO121 pump, double row has RO160, twin fan has RO250.
All have electric 2 way valves **AA460**.

2000 Litres and smaller with 11.5 - 15.3x9 wheels have Fad 50 axles.

3000 Litres with 11.5 - 15.3x9 wheels have Fad 60 axles.

Any Director with 12.00x24 wheels have Fad 60 axles .

Pre 2000 Director (double row) have 2 x 2.5x16 female clevis standard cylinders.

2002 double row use 1 x 2.5x30 standard cylinder.

Pulley to suit cable on double row **L032A**. Bearing to suit **6004**.

Roller for top of double row **L040A**. Bearing to suit **6004**.

Pulley **L032A**.

Shafts to suit pulley:

Shaft 116mm long suit 42mm bearing **L043A**.

Shaft 137mm long suit 42mm bearing **L044A**.

Shaft 35mm long suit 42mm bearing **L045A**.

Handy
Hints

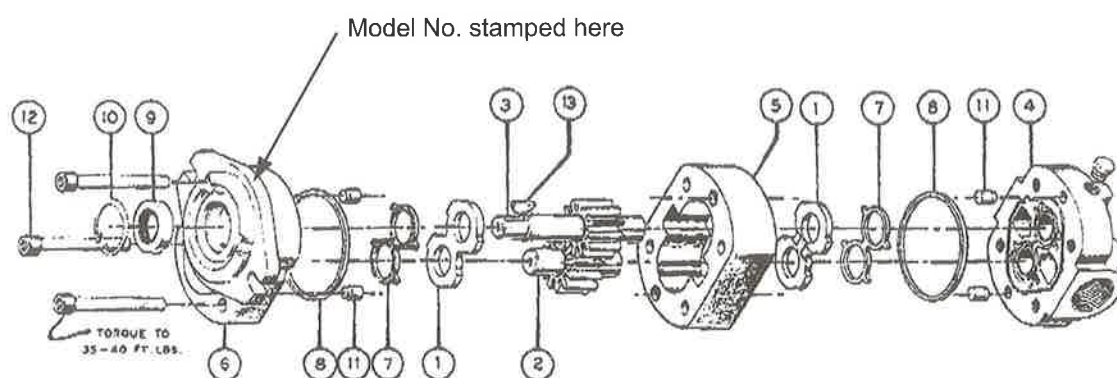




HYDRAULIC GEAR PUMP/MOTORS (Director Sprayer Fan Drive)



Rated working pressure (max. relief valve setting at full flow): 2200 psi
Maximum flow rate (delivery): 66 l/min
Maximum speed: 2000 RPM
Maximum horsepower (at rated speed and pressure): 41 hp (30.5 kw)
DACS PUMP/7 - **40PO07** (Fitted to single row Director)
DACS PUMP/10 - **40PO10** (Fitted to double row Director)



| POS. NO. | DESCRIPTION |
|----------|------------------|
| 1 | Thrust Plate (2) |
| 2 | Driven Gear |
| 3 | Drive Gear Assy |
| 4 | Rear Gear Assy |
| 5 | Body |
| 6 | Front Cover Assy |
| 7 | Loading Seal (2) |
| 8 | Static Seal (2) |
| 9 | Shaft Seal |
| 10 | Retaining Ring |
| 11 | Dowel Pin (4) |
| 12 | Cap Screw (4) |
| 13 | Woodruff Key |

5A0081 (Seal part number for both motors)



| PERFORMANCE DATA — PUMPS: GPM/RPM | | | | | | PERFORMANCE DATA — MOTORS: RPM/GPM | | | | | | |
|-----------------------------------|------|------|------|------|------|------------------------------------|------|------|------|------|------|------|
| RPM | 1000 | 1500 | 2000 | 2500 | 3000 | GPM | 5 | 10 | 15 | 20 | 30 | 50 |
| MODEL | GPM | GPM | GPM | GPM | GPM | MODEL | RPM | RPM | RPM | RPM | RPM | RPM |
| 40P005 | 1.7 | 2.6 | 3.5 | 4.3 | 5.2 | 40M005 | 1732 | | | | | |
| 40P007 | 2.8 | 4.1 | 5.5 | 6.9 | 8.3 | 40M007 | 1155 | 2310 | | | | |
| 40P010 | 3.7 | 6.5 | 7.4 | 9.2 | 11.0 | 40M010 | 866 | 1732 | 2599 | | | |
| 40P012 | 4.9 | 7.3 | 9.7 | 12.1 | 14.6 | 40M012 | 693 | 1386 | 2079 | 2772 | | |
| 40P015 | 5.8 | 8.8 | 11.7 | 14.6 | 17.5 | 40M015 | 577 | 1155 | 1732 | 2310 | | |
| 40P018 | 7.0 | 10.5 | 14.0 | 17.5 | | 40M018 | 481 | 962 | 1443 | 1925 | 2887 | |
| 50P015 | 5.9 | 8.8 | 11.8 | 14.6 | 17.8 | 50M015 | 684 | 1368 | 2052 | 2736 | | |
| 50P019 | 7.6 | 11.4 | 15.2 | 19.0 | 22.8 | 50M019 | 533 | 1066 | 1599 | 2132 | | |
| 50P023 | 9.0 | 13.6 | 18.1 | 22.6 | 27.1 | 50M023 | 448 | 896 | 1344 | 1792 | 2688 | |
| 50P027 | 10.7 | 16.0 | 21.4 | 26.7 | 32.0 | 50M027 | 379 | 759 | 1138 | 1518 | 2276 | |
| 50P033 | 12.9 | 19.3 | 25.7 | 32.1 | 38.6 | 50M033 | 315 | 630 | 945 | 1260 | 1890 | |
| 50P038 | 14.8 | 22.2 | 29.6 | 37.0 | | 50M038 | 274 | 547 | 821 | 1094 | 1641 | 2736 |
| 50P052 | 20.3 | 30.4 | 40.6 | | | 50M052 | 199 | 400 | 600 | 800 | 1199 | 1999 |
| 60P040 | 15.8 | 23.7 | 31.6 | 39.4 | 47.3 | 60M040 | 257 | 513 | 770 | 1027 | 1540 | 2567 |
| 60P051 | 20.1 | 30.1 | 40.1 | 50.2 | 60.2 | 60M051 | 202 | 404 | 606 | 807 | 1211 | 2018 |
| 60P061 | 24.0 | 36.0 | 47.9 | 59.9 | 71.8 | 60M061 | 169 | 338 | 507 | 676 | 1014 | 1690 |
| 60P071 | 27.9 | 41.8 | 55.7 | 69.6 | 83.6 | 60M071 | | 291 | 436 | 582 | 872 | 1454 |
| 60P081 | 31.8 | 47.6 | 63.5 | 79.4 | | 60M081 | | 255 | 383 | 510 | 765 | 1275 |
| 60P092 | 36.0 | 54.1 | 72.1 | 90.1 | | 60M092 | | 225 | 337 | 450 | 674 | 1124 |

NOTE: Above performance figures are approximate and are based on 2000 psi operating pressure.
Operation in shaded areas is not recommended.

A. DISASSEMBLY

1. Remove unit and thoroughly clean. Remove shaft key (8) and any nicks or burrs or shaft.
 2. Scribe line on outside of unit across front cover, body and rear cover to assure proper reassembly.
 3. Lightly clamp rear cover (4) in vice, shaft up. EXCESSIVE CLAMPING PRESSURE CAN CAUSE DISTORTION.
 4. Remove cap screws (11) from front cover (6).
 5. Tap upwards, underneath front cover flange and remove front cover. As unit separates, the body may remain with either the front or rear cover. Remove loose parts (rings, plates, etc).
 6. To separate body from front cover, clamp body in vice and again tap upwards on front cover flange. To separate body from rear cover, clamp body in vice and tap downward on shaft. Remove static seals (12) and loading seals (7) from grooves. DO NOT DAMAGE GROOVE OR COVER SURFACE.
 7. Remove snap ring (9) from shaft seal cavity in front cover using internal snap ring pliers.
 8. Clamp front cover in vice, seal down, and drive shaft seal out of cavity using screwdriver held at about a 45° angle. USE CAUTION NOT TO DAMAGE CAVITY.
- * Step 6 can be by-passed if only the shaft seal is being replaced.

B. PARTS INSPECTION

1. Thoroughly clean all parts in solvent and dry with compressed air.
2. Inspect all parts for damage and unusual or excessive wear. If gears, bushings or body are damaged or badly worn, replace unit (only plates and seals are replaceable).

C. REASSEMBLY

1. Install new shaft seal in front cover (6). Be sure bearing hole is not blocked.
2. Install snap ring (9) and new seals (7,12) in covers (if needed).
3. Assemble body (10) and rear cover (4) aligning dowel pins (5) and scribed line.
4. Insert thrust plate (1) into body (10) flat side toward seal 7. Lubricate gears and insert.
5. Insert thrust plate (1) over shaft, flat side toward seal 7.
6. Lubricate shaft and slide front cover (6) over shaft and dowel pins (5). Tap if needed.
7. Insert cap screws (11) and tighten evenly.
8. Rotate shaft.



PTO SHAFTS



540 PTO - 6 spline

| PART NO | SERIES | LENGTH (mm) | HP | SPRAYER TYPES |
|----------------|--------|-------------|----|--|
| W2102 | 2100 | 510 | 19 | 3PL, Prairie 3PL Director hyd fan drive |
| W2200-OV/1-510 | 2200 | 510 | 33 | 3PL Director |
| W2200-OV/1 | 2200 | 860 | 33 | Rowcrop, Director |
| W24001B/2A | 2400 | 710 | 64 | Front shaft for Orchard sprayer |
| W2300-1B2A | 2300 | 2510 | 46 | Through shaft for Orchard sprayer |

PTO Cover clip White **830901**PTO Shaft Cover Complete **85.000**



GOLDACRES TANKS

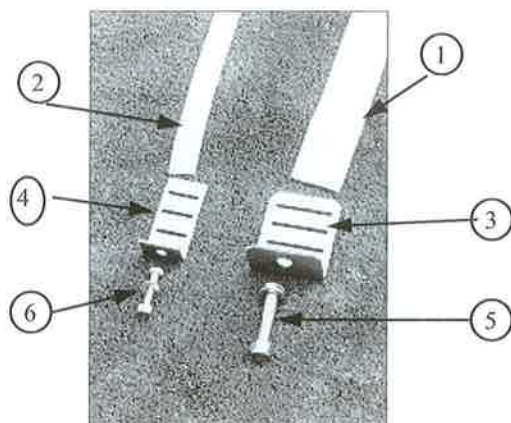
| PART NO. | SIZE | DESCRIPTION | DIMENSIONS |
|-----------------------|-------|--|----------------------|
| TNK15 | 15L | U-shaped water tank with cap & 3/4" outlet | 500L x 180W x 600H |
| TNK15-BR | 15L | U-shaped water tank and mounting bracket | |
| TNK25 | 25L | Round ball with cap and 2x1/2" bottom outlets | 370 x 370 |
| TNK25-BR | 25L | Round ball and mounting bracket | |
| TNK45 | 45L | Cylinder with cap and 2x1/2" bottom outlets | 370 x 650 |
| TNK45-BR | 45L | Cylinder and mounting bracket | |
| TNK50-ATV | 50L | Freestanding with ring sump suitable for ATV mount | 900L x 340W x 350H |
| TNK70 | 70L | Induction tank with lid and 1x1 1/2" male bottom outlet | 550 x 700 |
| TNK80 | 80L | Spray tube with lid, strainer, straps and 1x1/2" sump outlet | 1000L x 370W x 450H |
| TNK80-CR | 80L | Spray tube and cradle | |
| TNK100 | 100L | Spray tube with lid, strainer, straps and 1x1/2" sump outlet | 1000L x 370W x 500H |
| TNK100-FB | 100L | Spray tube skid base | |
| TNK100-CR | 100L | Spray tube and cradle | |
| TNK100-EX | 100L | Exacta Foam/water with lid or cap and 2x1/2" bottom outlets | 550 x 800 |
| TNK100-EX-CR | 100L | Exacta Foam/water and cradle | |
| TNK100-H | 100L | Header tank to suit 1000L, 1200L, 1500L & 1800L linkage tanks | 898L x 600W x 384H |
| TNK120 | 120L | Square with lid, strainer and 1x1/2" sump outlet | 580L x 520W x 590H |
| TNK120-CR | 120L | Tank and cradle | |
| TNK180 | 180L | Exacta Foam/water with lid or cap and 2x1/2" outlets | 550R x 1000H |
| TNK200 | 200L | Tank with lid, strainer, straps, sight tube and 1x3/4", 1x1/2" sump outlet | 1000L x 540W x 660H |
| TNK200-SKID | 200L | Skid base 200L tank, lid & strainer | 900L x 500W x 700H |
| TNK200-CR | 200L | Tank and cradle | |
| TNK200-FW | 200L | Rinse tank | 900L x 500W x 700H |
| TNK300 | 300L | Tank with lid, strainer, straps, sight tube and 1x3/4", 1x1/2" sump outlets | 1000L x 540W x 850H |
| TNK300-CR | 300L | Tank and cradle | |
| TNK300-3PL | 300L | Tank and 3PL frame | |
| TNK300-FW | 300L | Rinse tank | |
| TNK400 | 400L | Tank with lid, strainer, straps, sight tube and 1x3/4", 1x1/2" sump outlets | 1200L x 680W x 780H |
| TNK400-CR | 400L | Tank and cradle | |
| TNK400-3PL | 400L | Tank and 3PL frame | |
| TNK400-MIX | 400L | Mixing tank. Water carting etc. Including legs. | |
| TNK600 | 600L | Tank with lid, strainer, straps, sight tube and 1x3/4", 1x1/2" sump outlets | 1200L x 680W x 1030H |
| TNK600-CR | 600L | Tank and cradle | |
| TNK600-3PL | 600L | Tank and 3PL frame with step | |
| TNK800 | 800L | Tank with lid, strainer, straps, sight tube and 1x3/4", 1x1/2" sump outlets | 1200L x 680W x 1280H |
| TNK800-CR | 800L | Tank and cradle | |
| TNK800-3PL | 800L | Tank and 3PL frame with step | |
| TNK1000 | 1000L | Low-line tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 1440L x 1250W x 900H |
| TNK1000-BM | 1000L | Tank and base mount | |
| TNK1000-3PL | 1000L | 3PL tank with lid, strainer, straps, sight tube (header tank TNK100-H not included) | 1750L x 950W x 1120H |
| TNK1000-3PLF | 1000L | 3PL tank & frame with step | |
| TNK1000-3PL-LW | 1000L | 3PL Tank | |



GOLDACRES TANKS

| | | | |
|------------------------|-------|--|-----------------------|
| TNK1000-3PLF-LW | 1000L | Tank & 3PL frame with step | |
| TNK1200 | 1200L | Low-line tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 1440L x 1250W x 1030H |
| TNK1200-BM | 1200L | Tank and base mount | |
| TNK1200-3PL | 1200L | 3PL tank with lid, strainer, straps, sight tube (header tank TNK100-H not included) | 1750L x 950W x 1257H |
| TNK1200-3PLF | 1200L | 3PL tank & frame with step | |
| TNK1500 | 1500L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 1580L x 1200W x 1500H |
| TNK1500-BM | 1500L | Tank and base mount | |
| TNK1500-ORC | 1500L | Orchard sprayer tank with tube including lid, strainer, straps, sight tube | 2200L x 1100W x 1100H |
| TNK1500-3PL | 1500L | 3PL tank with lid strainer, straps, sight tube (header tank TNK100-H not included) | 1750 x 950 x 1462 |
| TNK1800-3PL | 1800L | 3PL tank with lid, strainer, straps, sight tube (header tank TNK100-H not included) | 1750 x 950 x 1670 |
| TNK2000 | 2000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 2200L x 1200W x 1500H |
| TNK2000-BM | 2000L | Tank and base mount | |
| TNK2000-ORC | 2000L | Orchard sprayer tank with tube including lid, strainer, straps, sight tube | 2700L x 1100W x 1100H |
| TNK2000-SH | 2000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | |
| TNK2500 | 2500L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 2700L x 1200W x 1500H |
| TNK2500-BM | 2500L | Tank and base mount | |
| TNK3000 | 3000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 3000L x 1200W x 1500H |
| TNK3000-BM | 3000L | Tank and base mount | |
| TNK4000 | 4000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 3000L x 1420W x 1570H |
| TNK4000-BM | 4000L | Tank and base mount | |
| TNK4000-SH | 4000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 1964L x 1900W x 1580H |
| TNK4000-SH-BM | 4000L | Tank and base mount | |
| TNK5000 | 5000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 3285L x 1555W x 1912H |
| TNK5000-BM | 5000L | Tank and base mount | |
| TNK6000 | 6000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 2824L x 1900W x 1580H |
| TNK6000-NAR | 6000L | Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets | 3935L x 1455W x 1913H |
| TNK6000-NAR-BM | 6000L | Narrow tank and base mount | |
| TNK8000 | 8000L | Tank with lid, strainer, straps, sight tube and 2 X 1 1/2" outlets. | 3725L x 1900W x 1590H |

TANK STRAP AND BRACKETS



| POS. NO. | PART NO. | DESCRIPTION | TANK SIZES (Lt) |
|----------|------------|-------------------------|-----------------|
| 1 | 0110550002 | 50mm Orange Tank Strap | 400 - 4000 |
| 2 | 0110525002 | 25mm Orange Tank Strap | 200 - 300 |
| 3 | TNK-BRK-50 | 50mm Tank Strap Bracket | |
| 4 | TNK-BRK-25 | 25mm Tank Strap Bracket | |
| 5 | M12X60 | 12mm x 60mm Bolt | |
| 6 | M8X40 | 8mm x 40mm Bolt | |



GOLDACRES TANK LIDS



ATV LID

Lid to suit 50Lt
ATV tank

Diameter:
170mm **354010**



SMALL LID

To suit 12V sprayers
and flush water tank.

Diameter: 255mm
352022



BREATHER TO SUIT SMALL LID

504203



MEDIUM LID

To suit 3PL, Prairie, Tray Mount,
Crop Cat, Rowcrop Sprayers.

Diameter: 355mm
352040



LID

Lid to suit 20 Lt Chubby
& 30 Lt Squirt

Diameter: 120mm
354230

LARGE LID

To suit Director and Orchard
Sprayers.

Diameter: 455mm
352060



BREATHER TO SUIT MEDIUM/LARGE LIDS

352000



LID RING

To suit 255mm Small Lid
350420

To suit 355mm Medium Lid
350440

To suit 455mm Large Lid
350460



BASKET STRAINERS:

Small: **300110**

Medium: **300120**

Large: **300126**



BASKET STRAINER POWDER UMBRELLA MIXER

To suit Orchard Sprayer
large basket strainer.
502001



SUPERMIX AGITATOR

Standard on 2000L - 6000L

Prairie Sprayers **502053**

Supermix O Ring **502**

Supermix Nut **502010**

Supermix Jet **502053-JET**



D004001

Hydro-jet Venturi Agitator
Complete



INDUCTION HOPPER LID

To suit 70L Induction Hopper
E1180-405



FOAM MARKER TANK LID

To suit foam marker tank

Lid
O Ring

P24730
FMO50X5



TANK FLUSHING KIT

Tank Flushing Kit Single **TFLUSHN-UN-SINGLE**

Kit includes: 1 x tank rinsing nozzle assembly, 2 x EL34 elbows, 4 Mt x 3/4" hose, 2 x 3/4" hose clamps.

Tank Flushing Kit Double **TFLUSHN-UN-DOUBLE**

Kit includes: 2 x tank rinsing nozzle assemblies, 2 x EL34 elbows, 1 x T34T t-piece, 4 Mt x 3/4" hose, 4 x 3/4" hose clamps.



- * Fluid driven rotational spray head.
- * 360° effective rinsing of inside surface of tank.
- * Made of corrosion resistant material.
- * 3/4" BSP thread.
- * Easily dismantled for cleaning.



Tank rinsing nozzle
assembly
TRNA



Tank rinsing valve
L033A



XR TeeJet®

Extended Range Flat Spray Tips



Available in stainless steel (VS), hardened stainless steel (VH), in 80° and 110° spray angles.

Available in polymer (VP) in 110° only in sizes 02 through 08.

Available in ceramic (VK) in sizes 03 through 08.

All materials have VisiFlo® colour-coding

TO ORDER:

Specify TIP NUMBER, examples:

XR11004VS - Stainless Steel, 110° spray angle, size 04.

XR8002VH - Hardened Stainless Steel, 80° spray angle, size 02.

XR11002VP - Polymer, 110° spray angle only, size 02.

XR11008VK - Ceramic, 110° spray angle, size 08.*

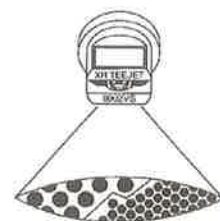
* Minimum pressure rating for VK tip is 1½ bar.

TYPICAL APPLICATIONS:

EXCELLENT: Pre-emergence surface applied herbicides - At medium pressure (1½ - 2 bar) produces medium size droplets for good surface coverage in applications such as minimum tillage.

EXCELLENT: Post-emergence systemic herbicides - At lower pressures (1 - 1½ bar) helps to control drift.

GOOD: Post-emergence contact herbicides - At higher pressures (2 - 4 bar) produces smaller droplets for better coverage. Wide angle 110° tips produce smaller droplets than 80° tips at equal pressure.



Turbo TeeJet®

FEATURES:

~ Tapered edge wide angle flat pattern for uniform coverage in broadcast spraying.

~ Large, round free passages to minimise clogging.

~ Excellent resistance to corrosive solutions.

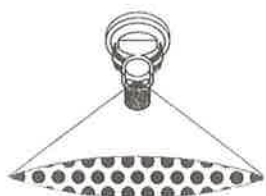
~ Superior wear characteristics.

~ Larger droplets for less drift

TYPICAL APPLICATIONS:

~ Best for pre-emergence surface applied herbicides - minimum spray pressure of 1 bar.

~ Best for post-emerge contact herbicides - typical pressures of 3 bar and higher.

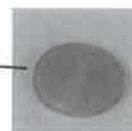


TO ORDER:

Example: TT11002VP

TIP PLUG

Plug tip is used to temporarily shutoff selected nozzles by replacing spray tips with these plug tips. **CP3942**





RATE CHART FOR XR & TT TIPS

| Tip No. (Colour) (Strainer Size) | Liquid Pressure kPa | Capacity 1 Nozzle lit./min. | Litres Per Hectare - 50 cm Spacing | | | | | | | |
|---|---------------------------------|-----------------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | 6 km/h | 8 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | 20 km/h |
| XR11001 TT11001 (ORANGE) (100 Mesh) | 150 | 0.28 | 56 | 42 | 33 | 28 | 24 | 21 | 18.6 | 17 |
| | 200 | 0.32 | 64 | 48 | 39 | 32 | 28 | 24 | 21 | 19 |
| | 250 | 0.36 | 72 | 54 | 43 | 36 | 31 | 27 | 24 | 22 |
| | 300 | 0.39 | 79 | 59 | 47 | 39 | 34 | 30 | 26 | 24 |
| | 350 | 0.43 | 85 | 64 | 51 | 43 | 37 | 32 | 28 | 26 |
| | 400 | 0.46 | 91 | 68 | 55 | 46 | 39 | 34 | 30 | 27 |
| | TURBO ONLY 500 600 | 0.50 0.55 | 100 110 | 75 83 | 60 66 | 50 55 | 43 47 | 38 41 | 33 37 | 30 33 |
| XR110015 TT110015 (GREEN) (100 Mesh) | 150 | 0.42 | 84 | 63 | 50 | 42 | 36 | 31 | 28 | 25 |
| | 200 | 0.48 | 97 | 72 | 58 | 48 | 41 | 36 | 32 | 29 |
| | 250 | 0.54 | 108 | 81 | 65 | 54 | 46 | 40 | 36 | 32 |
| | 300 | 0.59 | 118 | 89 | 71 | 59 | 51 | 44 | 39 | 35 |
| | 350 | 0.64 | 128 | 96 | 77 | 64 | 55 | 48 | 43 | 38 |
| | 400 | 0.68 | 137 | 102 | 82 | 68 | 59 | 51 | 46 | 41 |
| | TURBO ONLY 500 600 | 0.76 0.83 | 152 166 | 114 125 | 91 100 | 76 83 | 65 71 | 57 62 | 51 55 | 46 50 |
| XR11002 TT11002 (YELLOW) (50 Mesh) | 150 | 0.56 | 112 | 84 | 67 | 56 | 48 | 42 | 37 | 34 |
| | 200 | 0.65 | 129 | 97 | 77 | 64 | 55 | 48 | 43 | 39 |
| | 250 | 0.72 | 144 | 108 | 86 | 72 | 62 | 54 | 48 | 43 |
| | 300 | 0.79 | 158 | 118 | 95 | 79 | 68 | 59 | 53 | 47 |
| | 350 | 0.85 | 171 | 128 | 102 | 85 | 73 | 64 | 57 | 51 |
| | 400 | 0.91 | 182 | 137 | 109 | 91 | 78 | 68 | 61 | 55 |
| | TURBO ONLY 500 600 | 1.02 1.12 | 204 224 | 153 168 | 122 134 | 102 112 | 87 96 | 77 84 | 68 75 | 61 67 |
| XR11003 TT11003 (BLUE) (50 Mesh) | 150 | 0.84 | 167 | 126 | 100 | 84 | 72 | 63 | 56 | 50 |
| | 200 | 0.97 | 193 | 145 | 116 | 97 | 83 | 72 | 64 | 58 |
| | 250 | 1.08 | 220 | 162 | 130 | 108 | 93 | 81 | 72 | 65 |
| | 300 | 1.18 | 240 | 178 | 142 | 118 | 101 | 89 | 79 | 71 |
| | 350 | 1.28 | 260 | 192 | 153 | 128 | 110 | 96 | 85 | 77 |
| | 400 | 1.37 | 270 | 204 | 164 | 137 | 117 | 103 | 91 | 82 |
| | TURBO ONLY 500 600 | 1.52 1.67 | 304 334 | 228 251 | 182 200 | 152 167 | 130 143 | 114 125 | 101 111 | 91 100 |
| XR11004 TT11004 (RED) (50 Mesh) | 150 | 1.12 | 220 | 167 | 134 | 112 | 96 | 84 | 74 | 67 |
| | 200 | 1.29 | 260 | 193 | 155 | 129 | 111 | 97 | 86 | 77 |
| | 250 | 1.44 | 290 | 220 | 173 | 144 | 124 | 108 | 96 | 86 |
| | 300 | 1.58 | 320 | 240 | 189 | 158 | 135 | 118 | 105 | 95 |
| | 350 | 1.71 | 340 | 260 | 200 | 171 | 146 | 126 | 114 | 102 |
| | 400 | 1.82 | 360 | 270 | 220 | 182 | 156 | 137 | 122 | 109 |
| | TURBO ONLY 500 600 | 2.04 2.23 | 408 446 | 306 335 | 245 268 | 203 223 | 175 191 | 153 167 | 136 149 | 122 134 |
| XR11005 TT11005 (BROWN) (50 Mesh) | 150 | 1.4 | 280 | 210 | 167 | 140 | 120 | 105 | 93 | 84 |
| | 200 | 1.61 | 320 | 240 | 193 | 161 | 138 | 121 | 107 | 97 |
| | 250 | 1.8 | 360 | 270 | 220 | 180 | 154 | 135 | 120 | 108 |
| | 300 | 1.97 | 390 | 300 | 240 | 197 | 169 | 148 | 132 | 118 |
| | 350 | 2.13 | 430 | 320 | 260 | 210 | 183 | 160 | 142 | 128 |
| | 400 | 2.28 | 460 | 340 | 270 | 230 | 195 | 171 | 152 | 137 |
| | TURBO ONLY 500 600 | 2.54 2.79 | 508 558 | 381 419 | 305 335 | 254 279 | 218 239 | 191 209 | 169 186 | 152 167 |



XRC TeeJet Tip Cap

FEATURES:

- ~ One piece tip/cap construction for ease of use.
- ~ Tip insert offered in stainless steel (VS), polymer (VP) and ceramic (VK) materials.
- ~ Caps and polymer tip inserts feature VisiFlo colour coding.
- ~ Excellent spray distribution over a wide range of pressures (1–4 bar).
- ~ Tip insert produces tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- ~ Reduces drift at lower pressures, provides better coverage at higher pressures.
- ~ Ideal for sprayers equipped with automatic control systems.
- ~ Improved gasket retention.



TYPICAL APPLICATIONS:

- ~ Excellent for pre-emerge surface applied herbicides at medium pressures (1.5–2 bar).
- ~ Excellent for post-emerge systemic herbicides at lower pressures (1–1.5 bar) helps to control drift.
- ~ Excellent for post-emerge contact herbicides at higher pressures (2–4 bar) produces smaller droplets for better coverage.
- ~ Good for pre-plant incorporated herbicides at lower spraying pressures (1–1.5 bar) produces larger spray droplets and reduces drift.

| Tip Color VisiFlo | Tip No. (Strainer Screen Size) | Liquid Pressure in Bar | Capacity 1 Nozzle in l/min | Liters Per Hectare 80 cm Spacing | | | | Liters Per Hectare 75 cm Spacing | | | |
|----------------------|--------------------------------------|------------------------------|----------------------------------|-------------------------------------|-------------|-------------|-------------|-------------------------------------|-------------|-------------|-------------|
| | | | | 8 km/hr | 10 km/hr | 12 km/hr | 16 km/hr | 8 km/hr | 10 km/hr | 12 km/hr | 16 km/hr |
| TURQUOISE | XRC110025-V- (50 Mesh) | 1.0 | 0.57 | 85.5 | 68.4 | 57.0 | 42.8 | 57.0 | 45.5 | 38.0 | 28.5 |
| | | 1.5 | 0.70 | 105 | 84.0 | 70.0 | 52.5 | 70.0 | 56.0 | 46.7 | 35.0 |
| | | 2.0 | 0.81 | 122 | 97.2 | 81.0 | 60.8 | 81.0 | 64.8 | 54.0 | 40.8 |
| | | 3.0 | 0.99 | 148 | 119 | 99.0 | 74.3 | 99.0 | 79.2 | 66.0 | 49.8 |
| | | 4.0 | 1.14 | 171 | 137 | 114 | 85.5 | 114 | 91.2 | 76.0 | 57.0 |
| BLUE | XRC11003-V- (50 Mesh) | 1.0 | 0.68 | 102 | 81.6 | 68.0 | 51.0 | 68.0 | 54.4 | 45.3 | 34.0 |
| | | 1.5 | 0.83 | 125 | 99.6 | 83.0 | 62.3 | 83.0 | 66.4 | 55.3 | 41.8 |
| | | 2.0 | 0.96 | 144 | 115 | 96.0 | 72.0 | 96.0 | 76.8 | 64.0 | 48.0 |
| | | 3.0 | 1.18 | 177 | 142 | 118 | 88.5 | 118 | 94.4 | 78.7 | 59.0 |
| | | 4.0 | 1.38 | 204 | 163 | 136 | 102 | 136 | 109 | 90.7 | 68.0 |
| RED | XRC11004-V- (50 Mesh) | 1.0 | 0.91 | 137 | 109 | 91.0 | 68.3 | 91.0 | 72.8 | 60.7 | 45.5 |
| | | 1.5 | 1.11 | 167 | 133 | 111 | 83.3 | 111 | 88.8 | 74.0 | 55.5 |
| | | 2.0 | 1.29 | 184 | 145 | 129 | 96.8 | 129 | 103 | 86.0 | 64.8 |
| | | 3.0 | 1.56 | 237 | 190 | 156 | 119 | 156 | 126 | 106 | 79.0 |
| | | 4.0 | 1.82 | 273 | 218 | 182 | 137 | 182 | 146 | 121 | 91.0 |
| BROWN | XRC11005-V- (50 Mesh) | 1.0 | 1.14 | 171 | 137 | 114 | 85.5 | 114 | 91.2 | 76.0 | 57.0 |
| | | 1.5 | 1.40 | 210 | 173 | 140 | 105 | 140 | 112 | 93.3 | 70.0 |
| | | 2.0 | 1.61 | 242 | 193 | 161 | 121 | 161 | 129 | 107 | 80.8 |
| | | 3.0 | 1.87 | 296 | 236 | 197 | 148 | 197 | 156 | 131 | 98.8 |
| | | 4.0 | 2.27 | 341 | 272 | 227 | 170 | 227 | 182 | 151 | 114 |



ConeJet® Hollow Cone Spray Tips



VisiFlo® colour-coded version consists of stainless steel or ceramic orifice in polypropylene body.

Standard ConeJet® (not colour-coded) available in brass and stainless steel in a wide range of capacities with 65° (TY) and 80° (TX) spray angles.

TO ORDER:

Specify TIP NUMBER, examples:

TXVS-4 - Stainless Steel with VisiFlo® colour-coding, 80° spray angle, size 4.

TX-VK3 - Ceramic with VisiFlo® colour-coding, 80° spray angle, size 3.

TY-4 - Brass, 65° spray angle, size 4.

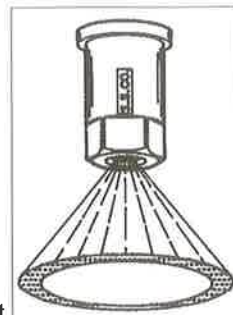
TX-SS2 - Stainless Steel, 80° spray angle, size 2.

TYPICAL APPLICATIONS:

EXCELLENT: Post-emerge contact herbicides - Used for band application of contact herbicides. To assure finely atomised spray droplets reach target areas, the nozzles are often directed from top and sides of rows by using drop pipes and swivel connectors. Also well-suited for the application of insecticides, fungicides, defoliants, and foliar fertilisers at pressures of 3 bar and above.

FEATURES:

- ~ Ideal for banding with two or three nozzles over the row.
- ~ Finely atomised spray pattern provides thorough coverage.
- ~ Also available TX-VS1 (not shown).



| ConeJet Tip No. (strainer screen size) | Liquid Pressure bar | 1 Nozzle Cap. L/min | Liters Per Hectare (1 Nozzle Per Row) | | | | | | Liquid Pressure bar | 2 Nozzle Cap. L/min | Liters Per Hectare (2 Nozzles Per Row) | | | | | |
|---|---------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | | 6 km/h | | 8 km/h | | 10 km/h | | | | 6 km/h | | 8 km/h | | 10 km/h | |
| | | | 50 cm Row Spacing | 75 cm Row Spacing | 50 cm Row Spacing | 75 cm Row Spacing | 50 cm Row Spacing | 75 cm Row Spacing | | | 50 cm Row Spacing | 75 cm Row Spacing | 50 cm Row Spacing | 75 cm Row Spacing | 50 cm Row Spacing | 75 cm Row Spacing |
| TXVS-2 (100 mesh) | 3 | 0.13 | 26.2 | 17.5 | 19.7 | 13.1 | 15.7 | 10.5 | 3 | 0.26 | 52.0 | 34.7 | 39.0 | 26.0 | 31.2 | 20.8 |
| | 3.5 | 0.14 | 28.0 | 18.7 | 21.0 | 14.0 | 16.8 | 11.2 | 3.5 | 0.28 | 56.0 | 37.3 | 42.0 | 28.0 | 33.6 | 22.4 |
| | 4 | 0.15 | 29.6 | 19.7 | 22.2 | 14.8 | 17.8 | 11.8 | 4 | 0.30 | 60.0 | 40.0 | 45.0 | 30.0 | 36.0 | 24.0 |
| TXVS-3 (100 mesh) | 3 | 0.20 | 39.2 | 26.1 | 29.4 | 19.6 | 23.5 | 15.7 | 3 | 0.39 | 78.0 | 52.0 | 58.5 | 39.0 | 46.8 | 31.2 |
| | 3.5 | 0.21 | 42.0 | 28.0 | 31.5 | 21.0 | 25.2 | 16.8 | 3.5 | 0.42 | 84.0 | 56.0 | 63.0 | 42.0 | 50.4 | 33.6 |
| | 4 | 0.22 | 44.6 | 29.7 | 33.5 | 22.3 | 26.8 | 17.8 | 4 | 0.44 | 88.0 | 58.7 | 66.0 | 44.0 | 52.8 | 35.2 |
| TXVS-4 (50 mesh) | 3 | 0.26 | 52.0 | 34.7 | 39.0 | 26.0 | 31.2 | 20.8 | 3 | 0.53 | 106 | 70.7 | 79.5 | 53.0 | 63.6 | 42.4 |
| | 3.5 | 0.28 | 56.0 | 37.3 | 42.0 | 28.0 | 33.6 | 22.4 | 3.5 | 0.56 | 112 | 74.7 | 84.0 | 56.0 | 67.2 | 44.8 |
| | 4 | 0.30 | 60.0 | 40.0 | 45.0 | 30.0 | 36.0 | 24.0 | 4 | 0.60 | 120 | 80.0 | 90.0 | 60.0 | 72.0 | 48.0 |
| TXVS-6 (50 mesh) | 3 | 0.39 | 78.0 | 52.0 | 58.5 | 39.0 | 46.8 | 31.2 | 3 | 0.79 | 158 | 105 | 119 | 79.0 | 94.8 | 63.2 |
| | 3.5 | 0.42 | 84.0 | 56.0 | 63.0 | 42.0 | 50.4 | 33.6 | 3.5 | 0.84 | 168 | 112 | 126 | 84.0 | 101 | 67.2 |
| | 4 | 0.45 | 90.0 | 60.0 | 67.5 | 45.0 | 54.0 | 36.0 | 4 | 0.90 | 180 | 120 | 135 | 90.0 | 108 | 72.0 |
| TXVS-8 (50 mesh) | 3 | 0.52 | 104 | 69.3 | 78.0 | 52.0 | 62.4 | 41.6 | 3 | 1.05 | 210 | 140 | 158 | 105 | 126 | 84.0 |
| | 3.5 | 0.56 | 112 | 74.7 | 84.0 | 56.0 | 67.2 | 44.8 | 3.5 | 1.13 | 226 | 151 | 170 | 113 | 136 | 90.4 |
| | 4 | 0.60 | 120 | 80.0 | 90.0 | 60.0 | 72.0 | 48.0 | 4 | 1.20 | 240 | 160 | 180 | 120 | 144 | 96.0 |
| TXVS-10 (50 mesh) | 3 | 0.65 | 132 | 88.0 | 99.0 | 66.0 | 79.2 | 52.8 | 3 | 1.31 | 262 | 175 | 197 | 131 | 157 | 105 |
| | 3.5 | 0.71 | 142 | 94.7 | 107 | 71.0 | 85.2 | 56.8 | 3.5 | 1.41 | 282 | 188 | 212 | 141 | 169 | 113 |
| | 4 | 0.75 | 150 | 100 | 113 | 75.0 | 90.0 | 60.0 | 4 | 1.51 | 302 | 201 | 227 | 151 | 181 | 121 |
| TXVS-12 (50 mesh) | 3 | 0.79 | 158 | 105 | 119 | 79.0 | 94.8 | 63.2 | 3 | 1.53 | 316 | 211 | 237 | 158 | 190 | 126 |
| | 3.5 | 0.85 | 170 | 113 | 128 | 85.0 | 102 | 68.0 | 3.5 | 1.70 | 340 | 227 | 255 | 170 | 204 | 136 |
| | 4 | 0.90 | 180 | 120 | 135 | 90.0 | 108 | 72.0 | 4 | 1.81 | 362 | 241 | 272 | 181 | 217 | 145 |
| TXVS-18 (50 mesh) | 3 | 1.18 | 236 | 157 | 177 | 118 | 142 | 94.4 | 3 | 2.37 | 474 | 316 | 356 | 237 | 284 | 190 |
| | 3.5 | 1.28 | 256 | 171 | 192 | 128 | 154 | 102 | 3.5 | 2.56 | 512 | 341 | 384 | 256 | 307 | 205 |
| | 4 | 1.36 | 272 | 181 | 204 | 136 | 163 | 109 | 4 | 2.73 | 546 | 364 | 410 | 273 | 328 | 218 |
| TXVS-26 (50 mesh) | 3 | 1.71 | 342 | 228 | 257 | 171 | 205 | 137 | 3 | 3.42 | 684 | 456 | 513 | 342 | 410 | 274 |
| | 3.5 | 1.84 | 368 | 245 | 276 | 184 | 221 | 147 | 3.5 | 3.69 | 738 | 492 | 554 | 369 | 443 | 295 |
| | 4 | 1.97 | 394 | 263 | 296 | 197 | 236 | 158 | 4 | 3.94 | 788 | 525 | 591 | 391 | 473 | 315 |



TeeJet® UB - Underleaf Banding Spray Tips



| NOZZLE No. (MESH SIZE) | PRES- SURE (bar) | CAPACITY 2 NOZZLES (l/min) | APPLICATION (l/ha) FOR 2 NOZZLES BAND SPRAYING: 75 cm ROW SPACING, 30 cm BAND WIDTH | | | | | | | | | | | | | |
|---------------------------|------------------------|----------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 |
| UB 850075 (100) | 1.5 | 0.42 | 112 | 96 | 84 | 75 | 67 | 61 | 56 | 52 | 48 | 45 | 42 | | | |
| | 2.0 | 0.48 | 128 | 110 | 96 | 85 | 77 | 70 | 64 | 59 | 55 | 51 | 48 | | | |
| | 2.5 | 0.54 | 144 | 123 | 108 | 96 | 86 | 78 | 72 | 66 | 62 | 58 | 54 | | | |
| | 3.0 | 0.59 | 157 | 135 | 118 | 105 | 94 | 86 | 79 | 73 | 67 | 63 | 59 | | | |
| | 3.5 | 0.64 | 171 | 146 | 128 | 114 | 102 | 93 | 85 | 79 | 73 | 68 | 64 | | | |
| UB 8501 (100) | 4.0 | 0.68 | 181 | 155 | 136 | 121 | 109 | 99 | 91 | 84 | 78 | 72 | 68 | | | |
| | 1.5 | 0.56 | 149 | 128 | 112 | 100 | 90 | 81 | 75 | 69 | 64 | 60 | 56 | | | |
| | 2.0 | 0.64 | 171 | 146 | 128 | 114 | 102 | 93 | 85 | 79 | 73 | 68 | 64 | | | |
| | 2.5 | 0.72 | 192 | 165 | 144 | 128 | 115 | 105 | 96 | 89 | 82 | 77 | 72 | | | |
| | 3.0 | 0.78 | 208 | 178 | 156 | 139 | 125 | 113 | 104 | 96 | 89 | 83 | 78 | | | |
| UB 85015 (80) | 3.5 | 0.84 | 224 | 192 | 168 | 149 | 134 | 122 | 112 | 103 | 96 | 90 | 84 | | | |
| | 4.0 | 0.92 | 245 | 210 | 184 | 164 | 147 | 134 | 123 | 113 | 105 | 98 | 92 | | | |
| | 1.5 | 0.84 | 224 | 192 | 168 | 149 | 134 | 122 | 112 | 103 | 96 | 90 | 84 | | | |
| | 2.0 | 0.96 | 256 | 219 | 192 | 171 | 154 | 140 | 128 | 118 | 110 | 102 | 96 | | | |
| | 2.5 | 1.08 | 288 | 247 | 216 | 192 | 173 | 157 | 144 | 133 | 123 | 115 | 108 | | | |
| UB 8502 (50) | 3.0 | 1.18 | 315 | 270 | 236 | 210 | 189 | 172 | 157 | 145 | 135 | 126 | 118 | | | |
| | 3.5 | 1.28 | 341 | 293 | 256 | 228 | 205 | 186 | 171 | 158 | 146 | 137 | 128 | | | |
| | 4.0 | 1.36 | 363 | 311 | 272 | 242 | 218 | 198 | 181 | 167 | 155 | 145 | 136 | | | |
| | 1.5 | 1.12 | 299 | 256 | 224 | 199 | 179 | 163 | 149 | 138 | 128 | 119 | 112 | | | |
| | 2.0 | 1.30 | 347 | 297 | 260 | 231 | 208 | 189 | 173 | 160 | 149 | 139 | 130 | | | |
| UB 8503 (50) | 2.5 | 1.44 | 384 | 329 | 288 | 256 | 230 | 209 | 192 | 177 | 165 | 154 | 144 | | | |
| | 3.0 | 1.58 | 421 | 361 | 316 | 281 | 253 | 230 | 211 | 194 | 181 | 169 | 158 | | | |
| | 3.5 | 1.68 | 448 | 384 | 336 | 299 | 269 | 244 | 224 | 207 | 192 | 179 | 168 | | | |
| | 4.0 | 1.82 | 485 | 416 | 364 | 324 | 291 | 265 | 243 | 224 | 208 | 194 | 182 | | | |
| | 1.5 | 1.68 | 448 | 384 | 336 | 299 | 269 | 244 | 224 | 207 | 192 | 179 | 168 | | | |
| UB 8504 (50) | 2.0 | 1.94 | 517 | 443 | 388 | 345 | 310 | 282 | 259 | 239 | 222 | 207 | 194 | | | |
| | 2.5 | 2.14 | 571 | 489 | 428 | 380 | 342 | 311 | 285 | 263 | 245 | 228 | 214 | | | |
| | 3.0 | 2.36 | 629 | 539 | 472 | 420 | 378 | 343 | 315 | 290 | 270 | 252 | 236 | | | |
| | 3.5 | 2.54 | 677 | 581 | 508 | 452 | 406 | 369 | 339 | 313 | 290 | 271 | 254 | | | |
| | 4.0 | 2.74 | 731 | 629 | 548 | 487 | 438 | 399 | 365 | 337 | 313 | 292 | 274 | | | |
| UB 8504 (50) | 1.5 | 2.23 | 595 | 510 | 446 | 396 | 357 | 324 | 297 | 274 | 255 | 238 | 223 | | | |
| | 2.0 | 2.60 | 693 | 594 | 520 | 462 | 416 | 378 | 347 | 320 | 297 | 277 | 260 | | | |
| | 2.5 | 2.86 | 763 | 654 | 572 | 508 | 458 | 416 | 381 | 352 | 327 | 305 | 286 | | | |
| | 3.0 | 3.16 | 843 | 722 | 632 | 562 | 506 | 460 | 421 | 389 | 361 | 337 | 316 | | | |
| | 3.5 | 3.40 | 907 | 777 | 680 | 604 | 544 | 495 | 453 | 418 | 389 | 363 | 340 | | | |
| 4.0 | 3.65 | 973 | 834 | 730 | 649 | 584 | 531 | 487 | 449 | 417 | 389 | 365 | | | | |

TO ORDER

Specify tip number & material. Example: UB8501 - Brass.

DESIGN FEATURES:

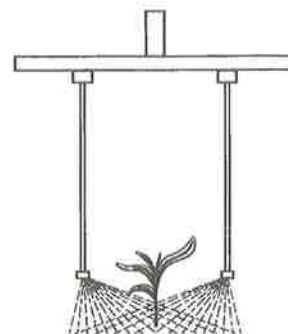
- ~ Off-center tip with tapered flat spray characteristics.
- ~ 85° spray angle.
- ~ Available in brass or stainless steel.
- ~ Operating pressure 1.5 - 4 bar.
- ~ Uniform distribution.
- ~ Capacities of 075 to 04.

COMMON APPLICATION:

- ~ Underleaf band application of contact herbicides in combination with mechanical cultivation.
- ~ Band application of contact herbicides or liquid fertiliser.

UNDERLEAF BAND APPLICATION:

- ~ Directed application used crop canopy.
- ~ Nozzle spacing 0.25 m - two tips.
- ~ Adjust tip height and nozzle orientation to achieve desired band width.



TeeJet® Off-Centre Flat Spray Tips - Smaller Capacities

TO ORDER:

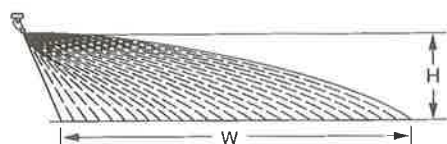
Specify tip number and material.

Example:

OC-02 - Brass



TeeJet® Off-Centre spray tips are commonly installed in double and single swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained.



| Nozzle No. | Liquid Pressure bar | Nozzle Capacity L/min | Spraying Height "H" = 45 cm | | | | | | Spraying Height "H" = 60 cm | | | | | |
|------------|---------------------|-----------------------|-----------------------------|---------------------|--------|--------|--------|---------------------|-----------------------------|--------|--------|---------------------|--------|--------|
| | | | "W" cm | Liters Per Hectare* | | | "W" cm | Liters Per Hectare* | | | "W" cm | Liters Per Hectare* | | |
| | | | | 5 km/h | 6 km/h | 8 km/h | | 5 km/h | 6 km/h | 8 km/h | | 5 km/h | 6 km/h | 8 km/h |
| OC-02 | 2 | 0.65 | 172 | 45 | 37 | 28 | 190 | 41 | 34 | 25 | 190 | 41 | 34 | 25 |
| | 3 | 0.79 | 177 | 54 | 45 | 33 | 195 | 49 | 40 | 30 | | 49 | 40 | 30 |
| | 4 | 0.91 | 182 | 60 | 50 | 38 | 198 | 55 | 46 | 35 | | 55 | 46 | 35 |
| OC-03 | 2 | 0.97 | 195 | 59 | 50 | 37 | 203 | 57 | 48 | 36 | 210 | 57 | 48 | 36 |
| | 3 | 1.18 | 203 | 70 | 58 | 44 | 210 | 68 | 56 | 42 | | 68 | 56 | 42 |
| | 4 | 1.37 | 208 | 79 | 66 | 49 | 215 | 76 | 64 | 48 | | 76 | 64 | 48 |
| OC-04 | 2 | 1.29 | 231 | 67 | 56 | 42 | 236 | 66 | 55 | 41 | 241 | 66 | 55 | 41 |
| | 3 | 1.58 | 236 | 80 | 67 | 50 | 238 | 80 | 66 | 50 | | 80 | 66 | 50 |
| | 4 | 1.82 | 238 | 92 | 77 | 57 | 241 | 91 | 76 | 57 | | 91 | 76 | 57 |
| OC-06 | 2 | 1.93 | 251 | 92 | 77 | 58 | 274 | 85 | 71 | 53 | 281 | 85 | 71 | 53 |
| | 3 | 2.37 | 256 | 111 | 93 | 69 | 279 | 102 | 85 | 64 | | 102 | 85 | 64 |
| | 4 | 2.74 | 259 | 127 | 106 | 79 | 281 | 117 | 97 | 73 | | 117 | 97 | 73 |
| OC-08 | 2 | 2.58 | 254 | 122 | 102 | 76 | 279 | 111 | 92 | 69 | 284 | 111 | 92 | 69 |
| | 3 | 3.16 | 259 | 146 | 122 | 91 | 284 | 133 | 111 | 83 | | 133 | 111 | 83 |
| | 4 | 3.65 | 264 | 166 | 138 | 104 | 287 | 157 | 127 | 95 | | 157 | 127 | 95 |
| OC-12 | 2 | 3.87 | 259 | 179 | 149 | 112 | 287 | 162 | 135 | 101 | 294 | 162 | 135 | 101 |
| | 3 | 4.74 | 264 | 220 | 179 | 135 | 292 | 194 | 162 | 122 | | 194 | 162 | 122 |
| | 4 | 5.47 | 266 | 250 | 210 | 154 | 294 | 220 | 186 | 140 | | 220 | 186 | 140 |
| OC-16 | 2 | 5.16 | 335 | 185 | 154 | 115 | 360 | 172 | 143 | 107 | 375 | 172 | 143 | 107 |
| | 3 | 6.32 | 350 | 220 | 180 | 135 | 370 | 200 | 171 | 128 | | 200 | 171 | 128 |
| | 4 | 7.29 | 363 | 240 | 200 | 150 | 375 | 230 | 194 | 148 | | 230 | 194 | 148 |



TeeJet® Even Flat Spray Tips

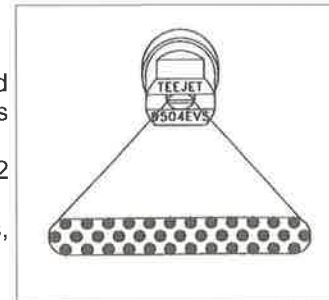


TYPICAL APPLICATIONS:

EXCELLENT: Pre-emerge herbicides - For band application of surface applied herbicides. Used at medium pressures (1½ - 3 bar) to produce medium size droplets and to control drift.

EXCELLENT: Post-emerge systemic herbicides - Used at lower pressures (1½ - 2 bar) for banding systemic herbicides.

GOOD: Post-emerge contact herbicides - For band application of contact herbicides, used at 3 bar and above to produce small droplets for better coverage.



FEATURES:

- ~ Ideal for banding over the row or in row middles.
- ~ Provides uniform distribution throughout the flat spray pattern.
- ~ Easily mounted on spray boom or planter.

| | bar | l/min | l/ha \triangle 50 cm | | | | | | l/ha \triangle 75 cm | | | | | |
|--|-----|-------|------------------------|--------|--------|---------|---------|---------|------------------------|--------|--------|---------|---------|---------|
| | | | 4 km/h | 6 km/h | 8 km/h | 10 km/h | 15 km/h | 20 km/h | 4 km/h | 6 km/h | 8 km/h | 10 km/h | 15 km/h | 20 km/h |
| TP4001E* TP6501E* | 2.0 | 0.32 | 96.0 | 64.0 | 48.0 | 38.4 | 25.6 | 19.2 | 64.0 | 42.7 | 32.0 | 25.6 | 17.1 | 12.8 |
| TP8001E TP9501E (100 mesh) | 2.5 | 0.36 | 108 | 72.0 | 54.0 | 43.2 | 28.8 | 21.6 | 72.0 | 48.0 | 36.0 | 28.8 | 19.2 | 14.4 |
| | 3.0 | 0.39 | 117 | 78.0 | 58.5 | 46.8 | 31.2 | 23.4 | 78.0 | 52.0 | 39.0 | 31.2 | 20.8 | 15.6 |
| | 4.0 | 0.45 | 135 | 90.0 | 67.5 | 54.0 | 36.0 | 27.0 | 90.0 | 60.0 | 45.0 | 36.0 | 24.0 | 18.0 |
| TP4001SE* TP6501SE* | 2.0 | 0.48 | 144 | 96.0 | 72.0 | 57.6 | 38.4 | 28.8 | 96.0 | 64.0 | 48.0 | 38.4 | 25.6 | 19.2 |
| TP8001SE TP9501SE (100 mesh) | 2.5 | 0.54 | 162 | 108 | 81.0 | 64.8 | 43.2 | 32.4 | 108 | 72.0 | 54.0 | 43.2 | 28.8 | 21.6 |
| | 3.0 | 0.60 | 177 | 118 | 88.5 | 70.8 | 47.2 | 35.4 | 118 | 78.7 | 59.0 | 47.2 | 31.5 | 23.6 |
| | 4.0 | 0.68 | 204 | 136 | 102 | 81.6 | 54.4 | 40.8 | 136 | 90.7 | 68.0 | 54.4 | 36.3 | 27.2 |
| TP4002E* TP6502E* | 2.0 | 0.66 | 195 | 130 | 97.5 | 78.0 | 52.0 | 39.0 | 130 | 86.7 | 65.0 | 52.0 | 34.7 | 26.0 |
| TP8002E TP9502E (50 mesh) | 2.5 | 0.72 | 216 | 144 | 108 | 86.4 | 57.6 | 43.2 | 144 | 95.0 | 72.0 | 57.6 | 38.4 | 28.8 |
| | 3.0 | 0.79 | 237 | 158 | 119 | 94.8 | 63.2 | 47.4 | 158 | 105 | 79.0 | 63.2 | 42.1 | 31.6 |
| | 4.0 | 0.91 | 273 | 182 | 137 | 109 | 72.8 | 54.6 | 182 | 121 | 91.0 | 72.8 | 48.5 | 36.4 |
| TP4003E* TP6503E* | 2.0 | 0.96 | 288 | 192 | 144 | 115 | 76.8 | 57.6 | 192 | 128 | 96.0 | 76.8 | 51.2 | 38.4 |
| | 2.5 | 1.08 | 324 | 216 | 162 | 130 | 86.4 | 64.8 | 216 | 144 | 108 | 86.4 | 57.6 | 43.2 |
| | 3.0 | 1.18 | 354 | 236 | 177 | 142 | 94.4 | 70.8 | 236 | 157 | 118 | 94.4 | 62.9 | 47.2 |
| | 4.0 | 1.36 | 408 | 272 | 204 | 163 | 109 | 81.6 | 272 | 181 | 136 | 109 | 72.5 | 54.4 |
| TP4004E* TP6504E* | 2.0 | 1.29 | 387 | 258 | 194 | 155 | 103 | 77.4 | 258 | 172 | 129 | 103 | 68.8 | 51.6 |
| | 2.5 | 1.44 | 432 | 288 | 216 | 173 | 115 | 86.4 | 288 | 192 | 144 | 115 | 76.8 | 57.6 |
| | 3.0 | 1.58 | 474 | 316 | 237 | 190 | 126 | 94.8 | 316 | 211 | 158 | 126 | 84.3 | 63.2 |
| | 4.0 | 1.82 | 546 | 364 | 273 | 218 | 146 | 109 | 364 | 243 | 182 | 146 | 97.1 | 72.8 |
| TP4005E* TP6505E* | 2.0 | 1.61 | 483 | 322 | 242 | 193 | 129 | 96.6 | 322 | 215 | 161 | 129 | 85.9 | 64.4 |
| | 2.5 | 1.80 | 540 | 360 | 270 | 216 | 144 | 108 | 360 | 240 | 180 | 144 | 96.0 | 72.0 |
| | 3.0 | 1.97 | 591 | 394 | 296 | 236 | 158 | 118 | 394 | 263 | 197 | 158 | 105 | 78.8 |
| | 4.0 | 2.27 | 681 | 454 | 341 | 272 | 182 | 136 | 454 | 303 | 227 | 182 | 121 | 90.8 |
| TP4006E* TP6506E* | 2.0 | 1.94 | 582 | 388 | 291 | 233 | 155 | 116 | 388 | 259 | 194 | 155 | 103 | 77.6 |
| TP8006E TP9506E (50 mesh) | 2.5 | 2.16 | 648 | 432 | 324 | 259 | 173 | 130 | 432 | 288 | 216 | 173 | 115 | 86.4 |
| | 3.0 | 2.37 | 711 | 474 | 356 | 284 | 190 | 142 | 474 | 316 | 237 | 190 | 126 | 94.8 |
| | 4.0 | 2.74 | 822 | 548 | 411 | 329 | 219 | 164 | 548 | 365 | 274 | 219 | 146 | 110 |
| TP4008E* TP6508E* | 2.0 | 2.58 | 774 | 516 | 387 | 310 | 205 | 155 | 516 | 344 | 258 | 205 | 138 | 103 |
| TP8008E TP11008E (50 mesh) | 2.5 | 2.88 | 864 | 576 | 432 | 346 | 230 | 173 | 576 | 384 | 288 | 230 | 154 | 115 |
| | 3.0 | 3.16 | 948 | 632 | 474 | 379 | 253 | 190 | 632 | 421 | 316 | 253 | 169 | 126 |
| | 4.0 | 3.65 | 1095 | 730 | 548 | 438 | 292 | 219 | 730 | 487 | 365 | 292 | 195 | 146 |
| TP4010E* TP6510E* TP8010E* TP11010E* (50 mesh) | 2.0 | 3.23 | 999 | 646 | 485 | 388 | 258 | 194 | 646 | 431 | 323 | 258 | 172 | 129 |
| | 2.5 | 3.61 | 1083 | 722 | 542 | 433 | 289 | 217 | 722 | 481 | 361 | 289 | 193 | 144 |
| | 3.0 | 3.95 | 1185 | 790 | 593 | 474 | 316 | 237 | 790 | 527 | 395 | 316 | 211 | 158 |
| | 4.0 | 4.56 | 1368 | 912 | 684 | 547 | 365 | 274 | 912 | 608 | 456 | 365 | 243 | 182 |
| TP4015E* TP6515E* TP8015E* TP11015E* (50 mesh) | 2.0 | 4.83 | 1449 | 966 | 725 | 580 | 395 | 290 | 966 | 644 | 483 | 395 | 258 | 193 |
| | 2.5 | 5.40 | 1620 | 1080 | 810 | 648 | 432 | 324 | 1080 | 720 | 540 | 432 | 288 | 216 |
| | 3.0 | 5.92 | 1776 | 1184 | 888 | 710 | 474 | 355 | 1184 | 789 | 592 | 474 | 316 | 237 |
| | 4.0 | 6.84 | 2052 | 1368 | 1026 | 821 | 547 | 410 | 1368 | 912 | 684 | 547 | 365 | 274 |

| | \triangle \updownarrow \triangle | | l/ha Conversion Factors** | |
|-------|--|-------|---------------------------|-------------------|
| | 80° | 95° | \triangle 50 cm | \triangle 75 cm |
| 20 cm | 13 cm | 10 cm | 2.5 | 3.8 |
| 25 cm | 15 cm | 13 cm | 2.0 | 3.0 |
| 30 cm | 18 cm | 15 cm | 1.7 | 2.5 |
| 40 cm | 23 cm | 20 cm | 1.3 | 1.9 |

**To find l/ha rate on band widths, multiply the tabulated l/ha for ROW SPACING by conversion factors.

How to order:

Specify tip number.

Examples:

TP8002E-VS – Stainless Steel with VisiFlo color-coding

TP8002EVH – Hardened Stainless Steel with VisiFlo color-coding

TP8002E-HSS – Hardened Stainless Steel

TP8002E-SS – Stainless Steel

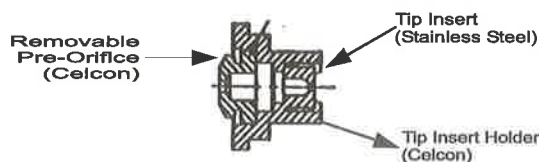
TP8002E – Brass

*Available in Brass, Stainless Steel, and Hardened Stainless Steel only.



DG TeeJet®

Drift Guard Flat Spray Tips



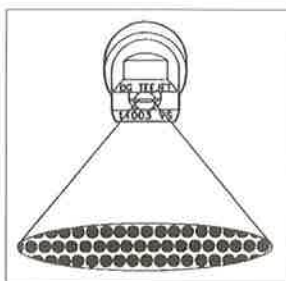
DRIFT GUARD
(Cross Section View)

TYPICAL APPLICATIONS:

EXCELLENT: Pre-emerge surface applied herbicides - Minimum spray pressure of 2 bar.

EXCELLENT: Post-emerge systemic herbicides - Minimum spray pressure of 2 bar.

FEATURES:



- ~ Pre-orifice design produces larger droplets and reduces the small drift prone droplets, minimising off-target spray contamination.
- ~ Tapered edge flat spray pattern provides uniform coverage when adjacent nozzle patterns are overlapped in broadcast spraying.
- ~ The colour-coded pre-orifice is removable for any necessary cleaning operations.
- ~ Available in both 80° and 110° spray angles with durable stainless steel orifice.



TO ORDER:

Specify TIP NUMBER, for example:

DG11002VS - Stainless Steel with VisiFlo® colour-coding.

| TIP COLOR | TIP No. STRAINER SCREEN SIZE | LIQUID PRESSURE bar | CAPACITY 1 NOZZLE (l/min) | LITERS PER HECTARE 50 cm SPACING | | | | | | | | | |
|-----------|--|---------------------------|---------------------------------|-------------------------------------|------|------|------|------|------|------|------|------|------|
| | | | | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 |
| GREEN | DG80015VS DG110015 VS (100 MESH) | 2 | 0.48 | 144 | 96.0 | 72.0 | 57.6 | 48.0 | 41.1 | 36.0 | 32.0 | 28.8 | 23.0 |
| | | 2.5 | 0.54 | 162 | 108 | 81.0 | 64.8 | 54.0 | 46.3 | 40.5 | 36.0 | 32.4 | 25.9 |
| | | 3 | 0.59 | 177 | 118 | 88.5 | 70.8 | 59.0 | 50.6 | 44.3 | 39.3 | 35.4 | 28.3 |
| | | 3.5 | 0.64 | 192 | 128 | 96.0 | 76.8 | 64.0 | 54.9 | 48.0 | 42.7 | 38.4 | 30.7 |
| | | 4 | 0.68 | 204 | 136 | 102 | 81.6 | 68.0 | 58.3 | 51.0 | 45.3 | 40.8 | 32.6 |
| | | 4.5 | 0.73 | 219 | 146 | 110 | 87.6 | 73.0 | 62.6 | 54.8 | 48.7 | 43.8 | 35.0 |
| YELLOW | DG8002VS DG11002 VS (50 MESH) | 5 | 0.76 | 228 | 152 | 114 | 91.2 | 76.0 | 65.1 | 57.0 | 50.7 | 45.6 | 36.5 |
| | | 2 | 0.64 | 192 | 128 | 96.0 | 76.8 | 64.0 | 54.9 | 48.0 | 42.7 | 38.4 | 30.7 |
| | | 2.5 | 0.72 | 216 | 144 | 108 | 86.4 | 72.0 | 61.7 | 54.0 | 48.0 | 43.2 | 34.6 |
| | | 3 | 0.79 | 237 | 158 | 119 | 94.8 | 79.0 | 67.7 | 59.3 | 52.7 | 47.4 | 37.9 |
| | | 3.5 | 0.85 | 255 | 170 | 128 | 102 | 85.0 | 72.9 | 63.8 | 56.7 | 51.0 | 40.8 |
| | | 4 | 0.91 | 273 | 182 | 137 | 109 | 91.0 | 78.0 | 68.3 | 60.7 | 54.6 | 43.7 |
| BLUE | DG8003VS DG11003 VS (50 MESH) | 4.5 | 0.97 | 291 | 194 | 146 | 118 | 97.0 | 83.1 | 72.8 | 64.7 | 58.2 | 46.6 |
| | | 5 | 1.02 | 306 | 204 | 153 | 122 | 102 | 87.4 | 76.5 | 68.0 | 61.2 | 49.0 |
| | | 2 | 0.97 | 291 | 194 | 146 | 118 | 97.0 | 83.1 | 72.8 | 64.7 | 58.2 | 46.6 |
| | | 2.5 | 1.08 | 324 | 216 | 162 | 130 | 108 | 92.6 | 81.0 | 72.0 | 64.8 | 51.8 |
| | | 3 | 1.18 | 354 | 236 | 177 | 142 | 118 | 101 | 88.5 | 78.7 | 70.8 | 56.6 |
| | | 3.5 | 1.28 | 384 | 256 | 192 | 154 | 128 | 110 | 96.0 | 85.3 | 76.8 | 61.4 |
| RED | DG8004VS DG11004 VS (50 MESH) | 4 | 1.37 | 411 | 274 | 206 | 164 | 137 | 117 | 103 | 91.3 | 82.2 | 65.8 |
| | | 4.5 | 1.45 | 435 | 290 | 218 | 174 | 145 | 124 | 109 | 96.7 | 87.0 | 69.6 |
| | | 5 | 1.53 | 459 | 306 | 230 | 184 | 153 | 131 | 115 | 102 | 91.8 | 73.4 |
| | | 2 | 1.29 | 387 | 258 | 194 | 155 | 129 | 111 | 96.8 | 86.0 | 77.4 | 61.9 |
| | | 2.5 | 1.44 | 432 | 288 | 216 | 173 | 144 | 123 | 108 | 96.0 | 86.4 | 69.1 |
| | | 3 | 1.58 | 474 | 316 | 237 | 190 | 158 | 135 | 119 | 105 | 94.8 | 75.8 |
| BROWN | DG8005VS DG11005 VS (50 MESH) | 3.5 | 1.71 | 513 | 342 | 257 | 205 | 171 | 147 | 128 | 114 | 103 | 82.1 |
| | | 4 | 1.82 | 546 | 364 | 273 | 218 | 182 | 156 | 137 | 121 | 109 | 87.4 |
| | | 4.5 | 1.93 | 579 | 386 | 290 | 232 | 193 | 165 | 145 | 129 | 116 | 92.6 |
| | | 5 | 2.04 | 612 | 408 | 306 | 245 | 204 | 175 | 153 | 136 | 122 | 97.9 |
| | | 2 | 1.61 | 484 | 322 | 242 | 193 | 161 | 138 | 121 | 107 | 96.5 | 77.3 |
| | | 2.5 | 1.80 | 540 | 360 | 270 | 216 | 180 | 154 | 135 | 120 | 108 | 86.4 |
| BROWN | DG8005VS DG11005 VS (50 MESH) | 3 | 1.97 | 592 | 394 | 296 | 236 | 197 | 169 | 148 | 131 | 118 | 94.6 |
| | | 3.5 | 2.13 | 639 | 426 | 320 | 256 | 213 | 183 | 160 | 142 | 128 | 102 |
| | | 4 | 2.28 | 684 | 456 | 342 | 274 | 228 | 195 | 171 | 152 | 137 | 109 |
| | | 4.5 | 2.41 | 723 | 482 | 362 | 289 | 241 | 207 | 181 | 161 | 145 | 116 |
| | | 5 | 2.54 | 762 | 508 | 381 | 305 | 254 | 218 | 191 | 169 | 152 | 122 |
| | | 5 | 2.67 | 801 | 538 | 401 | 325 | 273 | 235 | 205 | 183 | 165 | 148 |

TABULATION BASED ON SPRAYING WATER AT 21° C.



Turbo FloodJet®



Available in Stainless Steel (VS) with VisiFlo® colour-coding band for easy size identification.

TO ORDER:

Specify TIP NUMBER, example:

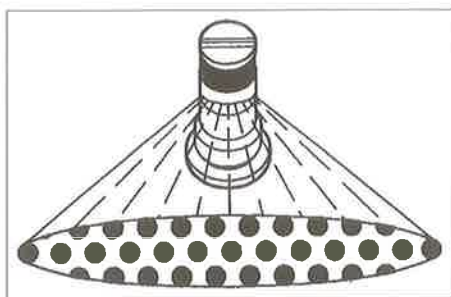
TF-VS4 - Stainless Steel with VisiFlo® colour-coding, size 4.

TYPICAL APPLICATIONS:

EXCELLENT: Soil incorporated herbicides - Use at lower pressures (0.7 - 1.7 bar) to produce larger droplets for reduced drift. Mount on 50 - 100 cm spacing.

EXCELLENT: Pre-emerge herbicides - Use at 0.7 to 1.7 bar to reduce drift and provide uniform coverage. Also good for broadcast application of liquid fertilizers.

EXCELLENT: Post-emerge systemic herbicides - Use at 1.4 - 2 bar to control drift. Provides uniform coverage along spray boom. 75 cm spacing are suggested for post-emerge applications.

**FEATURES:**

- ~ Excellent spray distribution for uniform coverage along the boom.
- ~ Nozzle design incorporates a pre-orifice to produce larger droplets for less drift.
- ~ Large, round orifice reduces clogging.
- ~ Can be used with No. CP25599- -NY Quick TeeJet® cap for automatic alignment.

| TIP COLOR VisiFlo® | TIP No. (STRAINER MESH SIZE) | LIQUID PRESSURE IN bar | CAPACITY 1 NOZZLE IN l/min | LITERS PER HECTARE 100 cm SPACING | | | |
|-----------------------|------------------------------------|------------------------------|-------------------------------------|--------------------------------------|-----------|------------|------------|
| | | | | 6 km/h | 8 km/h | 10 km/h | 12 km/h |
| RED | TF-VS2 (50 MESH) | 1 | 0.91 | 91.0 | 68.3 | 54.6 | 45.5 |
| | | 1.5 | 1.12 | 112 | 84.0 | 67.2 | 56.0 |
| | | 2 | 1.29 | 129 | 96.8 | 77.4 | 64.5 |
| BROWN | TF-VS2.5 (50 MESH) | 1 | 1.14 | 114 | 85.5 | 68.4 | 57.0 |
| | | 1.5 | 1.40 | 140 | 105 | 84.0 | 70.0 |
| | | 2 | 1.61 | 161 | 121 | 96.6 | 80.5 |
| GRAY | TF-VS3 (50 MESH) | 1 | 1.37 | 137 | 103 | 82.2 | 68.5 |
| | | 1.5 | 1.67 | 167 | 125 | 100 | 83.5 |
| | | 2 | 1.93 | 193 | 145 | 116 | 96.5 |
| WHITE | TF-VS4 | 1 | 1.82 | 182 | 137 | 109 | 91.0 |
| | | 1.5 | 2.23 | 223 | 167 | 134 | 112 |
| | | 2 | 2.58 | 258 | 194 | 155 | 129 |
| L. BLUE | TF-VS5 | 1 | 2.28 | 228 | 171 | 137 | 114 |
| | | 1.5 | 2.79 | 279 | 209 | 167 | 140 |
| | | 2 | 3.22 | 322 | 242 | 193 | 161 |
| L. GREEN | TF-VS7.5 | 1 | 3.42 | 342 | 257 | 205 | 171 |
| | | 1.5 | 4.19 | 419 | 314 | 251 | 210 |
| | | 2 | 4.83 | 483 | 362 | 290 | 242 |
| BLACK | TF-VS10 | 1 | 4.56 | 456 | 342 | 274 | 228 |
| | | 1.5 | 5.58 | 558 | 419 | 335 | 279 |
| | | 2 | 6.45 | 645 | 484 | 387 | 323 |



TeeJet® Disc-Core Type Cone Spray Tips

Full Cone Spray Pattern.
Produced by Cores # 31,
33, 35, & 56.



For spraying pesticides at higher pressures and flow rates. Especially suitable for wettable powders and other abrasive chemicals. Larger capacity nozzles are also used in air blast sprayers.

Cores: Standard cores are made of brass. Cores are also available in aluminium, nylon, hardened stainless steel, tungsten carbide, and ceramic. All cores with the exception of ceramic are made with rear "nibs"...be sure core is always placed with the nib facing the nozzle body.

Ceramic sizes available: DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.

Orifice Discs: Standard type D orifice discs are made of hardened stainless steel. For increased wear resistance, tungsten carbide and ceramic discs are also available.

Ceramic sizes available: DCER-2 through DCER-8, DCER-10.

TO ORDER:

To order orifice disc only, specify disc no. & material, eg. **DCER-2** - Ceramic.

To order core only, specify core no. & material, eg. **DC35-CER** - Ceramic.

To order disc-core combination, specify disc and core & material, eg. **DCER5-35CER** - ceramic.

| Full Cone Spray Pattern | | | | | | | | | | | | | | | |
|-------------------------|-------------|------------------------|-------------------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-------------|----------|----------|
| Orifice Disc No. | Core No. | Orifice Diam. mm | Capacity Liters Per Minute | | | | | | | | | | Spray Angle | | |
| | | | 0.7 bar | 1 bar | 2 bar | 3 bar | 4 bar | 5 bar | 6 bar | 10 bar | 15 bar | 20 bar | 1.5 bar | 3 bar | 5 bar |
| D1 | 31 | 0.79 | 0.31 | 0.36 | 0.49 | 0.59 | 0.67 | 0.74 | 0.80 | 1.0 | 1.2 | 1.4 | 49° | 47° | 43° |
| D1.5 | 31 | 0.91 | 0.39 | 0.45 | 0.63 | 0.76 | 0.86 | 0.95 | 1.0 | 1.3 | 1.6 | 1.8 | 57° | 65° | 53° |
| D2 | 31 | 1.0 | 0.45 | 0.53 | 0.72 | 0.86 | 0.98 | 1.1 | 1.2 | 1.5 | 1.8 | 2.0 | 62° | 63° | 61° |
| D3 | 31 | 1.2 | 0.49 | 0.58 | 0.80 | 0.95 | 1.1 | 1.2 | 1.3 | 1.6 | 1.9 | 2.2 | 63° | 65° | 63° |
| D1 | 33 | 0.79 | 0.32 | 0.36 | 0.46 | 0.56 | 0.64 | 0.71 | 0.78 | 0.98 | 1.2 | 1.4 | 27° | 32° | 35° |
| D1.5 | 33 | 0.91 | 0.42 | 0.47 | 0.63 | 0.75 | 0.85 | 0.95 | 1.0 | 1.3 | 1.6 | 1.9 | 37° | 43° | 45° |
| D2 | 33 | 1.0 | 0.47 | 0.56 | 0.78 | 0.95 | 1.1 | 1.2 | 1.3 | 1.7 | 2.0 | 2.3 | 45° | 52° | 55° |
| D3 | 33 | 1.2 | 0.57 | 0.68 | 0.95 | 1.1 | 1.3 | 1.5 | 1.6 | 2.0 | 2.5 | 2.8 | 48° | 54° | 57° |
| D4 | 33 | 1.6 | 0.78 | 0.91 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.7 | 3.3 | 3.7 | 50° | 56° | 61° |
| D1 | 35 | 0.79 | 0.30 | 0.36 | 0.48 | 0.58 | 0.65 | 0.71 | 0.78 | 0.97 | 1.2 | 1.3 | 19° | 23° | 26° |
| D1.5 | 35 | 0.91 | 0.41 | 0.47 | 0.63 | 0.76 | 0.85 | 0.94 | 1.0 | 1.3 | 1.5 | 1.7 | 23° | 27° | 29° |
| D2 | 35 | 1.0 | 0.53 | 0.62 | 0.83 | 0.99 | 1.1 | 1.2 | 1.3 | 1.7 | 2.0 | 2.2 | 40° | 44° | 47° |
| D3 | 35 | 1.2 | 0.58 | 0.72 | 0.98 | 1.2 | 1.3 | 1.5 | 1.6 | 2.0 | 2.4 | 2.8 | 45° | 50° | 52° |
| D4 | 35 | 1.6 | 1.0 | 1.2 | 1.6 | 2.0 | 2.3 | 2.5 | 2.8 | 3.5 | 4.2 | 4.8 | 68° | 70° | 71° |
| D5 | 35 | 2.0 | 1.3 | 1.6 | 2.2 | 2.6 | 3.0 | 3.3 | 3.6 | 4.5 | 5.5 | 6.3 | 67° | 69° | 71° |
| D2 | 56 | 1.0 | — | — | 0.80 | 0.98 | 1.1 | 1.2 | 1.4 | 1.8 | 2.2 | 2.5 | — | 14° | 17° |
| D3 | 56 | 1.2 | — | — | 1.1 | 1.3 | 1.6 | 1.7 | 1.9 | 2.4 | 3.0 | 3.4 | — | 20° | 23° |
| D4 | 56 | 1.6 | — | 1.3 | 1.8 | 2.2 | 2.5 | 2.8 | 3.1 | 4.0 | 4.8 | 5.6 | 20° | 26° | 29° |
| D5 | 56 | 2.0 | 1.4 | 1.8 | 2.5 | 3.0 | 3.5 | 3.9 | 4.3 | 5.5 | 6.7 | 7.8 | 26° | 32° | 34° |
| D6 | 56 | 2.4 | 2.2 | 2.7 | 3.7 | 4.5 | 5.3 | 5.9 | 6.5 | 8.5 | 10.2 | 11.9 | 34° | 39° | 41° |
| D7 | 56 | 2.8 | 2.9 | 3.4 | 4.9 | 6.0 | 6.9 | 7.7 | 8.5 | 11.0 | 13.5 | 15.6 | 45° | 52° | 54° |
| D8 | 56 | 3.2 | 3.7 | 4.4 | 6.2 | 7.6 | 8.8 | 9.8 | 10.8 | 13.9 | 17.0 | 19.6 | 52° | 57° | 59° |
| D10 | 56 | 4.0 | 5.1 | 6.1 | 8.6 | 10.6 | 12.2 | 13.6 | 15.0 | 19.3 | 24 | 27 | 62° | 65° | 67° |



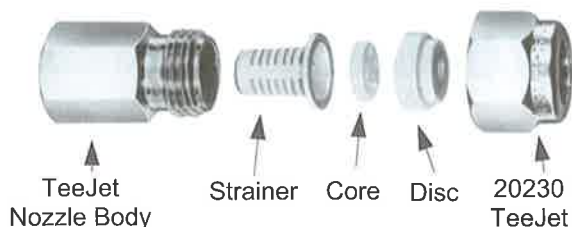
TeeJet® Disc-Core Type Cone Spray Tips ...continued

TO ORDER:





To order orifice disc only, specify disc no, material. DCER-4

To order core only, specify core no., material. DC13-CER

To order disc-core combination, specify disc & core, material. DCER4-13CER - Ceramic.



For strainer sizes
refer Page 65

|  |  |  (mm) | l/min | | | | | | | | | |  | | |
|---|---|---|------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|---|-----------|-----------|
| | | | 0.7 bar | 1 bar | 2 bar | 3 bar | 4 bar | 5 bar | 6 bar | 10 bar | 15 bar | 20 bar | 1 bar | 10 bar | 20 bar |
| D1 | DC13 | 0.79 | — | — | 0.22 | 0.26 | 0.29 | 0.32 | 0.34 | 0.43 | 0.50 | 0.57 | — | 66 | 68 |
| D1.5 | DC13 | 0.91 | — | — | 0.25 | 0.29 | 0.33 | 0.36 | 0.39 | 0.48 | 0.56 | 0.63 | — | 70 | 72 |
| D2 | DC13 | 1.0 | — | 0.22 | 0.29 | 0.33 | 0.37 | 0.41 | 0.44 | 0.53 | 0.63 | 0.70 | 41° | 74 | 75 |
| D3 | DC13 | 1.2 | — | 0.24 | 0.30 | 0.35 | 0.41 | 0.44 | 0.48 | 0.59 | 0.68 | 0.77 | 45° | 77 | 78 |
| D4 | DC13 | 1.6 | 0.27 | 0.31 | 0.40 | 0.47 | 0.53 | 0.59 | 0.63 | 0.76 | 0.89 | 1.0 | 64 | 84 | 85 |
| D1 | DC23 | 0.79 | — | — | 0.24 | 0.28 | 0.32 | 0.34 | 0.38 | 0.46 | 0.54 | 0.61 | — | 63 | 65 |
| D1.5 | DC23 | 0.91 | — | — | 0.28 | 0.34 | 0.39 | 0.42 | 0.46 | 0.58 | 0.69 | 0.78 | — | 66 | 67 |
| D2 | DC23 | 1.0 | — | 0.28 | 0.37 | 0.43 | 0.49 | 0.53 | 0.57 | 0.70 | 0.83 | 0.93 | 43° | 72 | 72 |
| D3 | DC23 | 1.2 | 0.25 | 0.29 | 0.39 | 0.46 | 0.52 | 0.58 | 0.62 | 0.78 | 0.93 | 1.1 | 56° | 77 | 77 |
| D4 | DC23 | 1.6 | 0.32 | 0.37 | 0.51 | 0.61 | 0.70 | 0.77 | 0.83 | 1.1 | 1.3 | 1.4 | 62° | 88 | 88 |
| D5 | DC23 | 2.0 | 0.37 | 0.44 | 0.59 | 0.72 | 0.82 | 0.91 | 0.98 | 1.3 | 1.5 | 1.7 | 73° | 96 | 95 |
| D6 | DC23 | 2.4 | 0.42 | 0.50 | 0.69 | 0.83 | 0.95 | 1.1 | 1.2 | 1.5 | 1.8 | 2.0 | 79° | 100 | 99 |
| D1 | DC25 | 0.79 | — | — | 0.33 | 0.40 | 0.45 | 0.50 | 0.54 | 0.69 | 0.83 | 0.95 | — | 49 | 51 |
| D1.5 | DC25 | 0.91 | — | — | 0.45 | 0.53 | 0.61 | 0.67 | 0.73 | 0.91 | 1.1 | 1.2 | — | 54 | 55 |
| D2 | DC25 | 1.0 | — | 0.37 | 0.51 | 0.62 | 0.71 | 0.79 | 0.86 | 1.1 | 1.3 | 1.5 | 32° | 61 | 61 |
| D3 | DC25 | 1.2 | 0.39 | 0.45 | 0.63 | 0.75 | 0.86 | 0.95 | 1.0 | 1.3 | 1.6 | 1.8 | 47° | 69 | 69 |
| D4 | DC25 | 1.6 | 0.57 | 0.68 | 0.94 | 1.1 | 1.3 | 1.4 | 1.6 | 2.0 | 2.4 | 2.8 | 63° | 82 | 82 |
| D5 | DC25 | 2.0 | 0.64 | 0.81 | 1.1 | 1.4 | 1.6 | 1.7 | 1.9 | 2.4 | 2.9 | 3.3 | 70° | 85 | 84 |
| D6 | DC25 | 2.4 | 0.87 | 1.0 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 | 3.2 | 3.8 | 4.4 | 77° | 89 | 88 |
| D7 | DC25 | 2.8 | 1.0 | 1.2 | 1.7 | 2.0 | 2.3 | 2.6 | 2.9 | 3.7 | 4.5 | 5.1 | 83° | 92 | 91 |
| D8 | DC25 | 3.2 | 1.2 | 1.4 | 2.0 | 2.4 | 2.8 | 3.1 | 3.4 | 4.4 | 5.3 | 6.2 | 89° | 96 | 95 |
| D10 | DC25 | 4.0 | 1.5 | 1.7 | 2.4 | 3.0 | 3.5 | 3.9 | 4.2 | 5.5 | 6.7 | 7.7 | 94° | 102 | 101 |
| D12 | DC25 | 4.8 | 1.8 | 2.2 | 3.0 | 3.7 | 4.3 | 4.8 | 5.2 | 6.7 | 8.2 | 9.5 | 101° | 111 | 110 |
| D14 | DC25 | 5.6 | 1.9 | 2.3 | 3.3 | 4.1 | 4.7 | 5.2 | 5.8 | 7.5 | 9.1 | 10.2 | 105° | 113 | 112 |
| D1 | DC45 | 0.79 | — | — | — | 0.48 | 0.56 | 0.61 | 0.67 | 0.84 | 1.0 | 1.2 | — | 39 | 40 |
| D1.5 | DC45 | 0.91 | — | — | 0.53 | 0.64 | 0.74 | 0.81 | 0.90 | 1.1 | 1.4 | 1.7 | — | 48 | 50 |
| D2 | DC45 | 1.0 | — | 0.43 | 0.66 | 0.80 | 0.91 | 1.0 | 1.1 | 1.4 | 1.7 | 2.0 | 26° | 58 | 58 |
| D3 | DC45 | 1.2 | — | 0.53 | 0.74 | 0.91 | 1.0 | 1.2 | 1.3 | 1.6 | 2.0 | 2.3 | 34° | 62 | 62 |
| D4 | DC45 | 1.6 | 0.67 | 0.80 | 1.1 | 1.4 | 1.6 | 1.8 | 2.0 | 2.5 | 3.1 | 3.6 | 59° | 73 | 72 |
| D5 | DC45 | 2.0 | 0.87 | 1.0 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 | 3.2 | 3.9 | 4.5 | 63° | 76 | 75 |
| D6 | DC45 | 2.4 | 1.1 | 1.3 | 1.9 | 2.3 | 2.7 | 3.0 | 3.3 | 4.3 | 5.3 | 6.1 | 70° | 80 | 79 |
| D7 | DC45 | 2.8 | 1.3 | 1.5 | 2.2 | 2.7 | 3.1 | 3.5 | 3.9 | 5.0 | 6.2 | 7.2 | 78° | 86 | 85 |
| D8 | DC45 | 3.2 | 1.6 | 1.9 | 2.7 | 3.3 | 3.9 | 4.3 | 4.8 | 6.2 | 7.6 | 8.9 | 84° | 89 | 88 |
| D10 | DC45 | 4.0 | 2.0 | 2.5 | 3.5 | 4.4 | 5.0 | 5.6 | 6.2 | 8.0 | 9.8 | 11.5 | 88° | 92 | 91 |
| D12 | DC45 | 4.8 | 2.5 | 3.1 | 4.4 | 5.3 | 6.2 | 6.9 | 7.6 | 9.8 | 12.1 | 14.0 | 95° | 101 | 100 |
| D14 | DC45 | 5.6 | 2.8 | 3.4 | 4.9 | 6.0 | 7.0 | 7.8 | 8.6 | 11.2 | 13.6 | 15.9 | 99° | 104 | 103 |
| D16 | DC45 | 6.4 | 3.3 | 4.0 | 5.7 | 7.1 | 8.2 | 9.3 | 10.2 | 13.2 | 16.3 | 19.1 | 106° | 111 | 110 |
| D1 | DC46 | 0.79 | — | — | — | 0.58 | 0.66 | 0.74 | 0.81 | 1.0 | 1.3 | 1.5 | — | 17 | 17 |
| D1.5 | DC46 | 0.91 | — | — | — | 0.84 | 0.97 | 1.1 | 1.2 | 1.5 | 1.8 | 2.1 | — | 18 | 18 |
| D2 | DC46 | 1.0 | — | — | 0.89 | 1.1 | 1.2 | 1.3 | 1.5 | 1.9 | 2.2 | 2.5 | — | 20 | 18 |
| D3 | DC46 | 1.2 | — | — | 1.0 | 1.3 | 1.5 | 1.6 | 1.8 | 2.3 | 2.8 | 3.2 | — | 23 | 21 |
| D4 | DC46 | 1.6 | 1.1 | 1.3 | 1.8 | 2.2 | 2.5 | 2.8 | 3.2 | 4.0 | 4.9 | 5.7 | 20° | 32 | 31 |
| D5 | DC46 | 2.0 | 1.4 | 1.7 | 2.5 | 3.0 | 3.5 | 3.9 | 4.3 | 5.6 | 6.8 | 7.9 | 28° | 41 | 40 |
| D6 | DC46 | 2.4 | 2.1 | 2.5 | 3.6 | 4.4 | 5.0 | 5.7 | 6.2 | 8.0 | 9.8 | 11.4 | 38° | 49 | 47 |
| D7 | DC46 | 2.8 | — | — | 4.5 | 5.5 | 6.3 | 7.1 | 7.8 | 10.0 | 12.3 | 13.8 | — | 55 | 53 |
| D8 | DC46 | 3.2 | — | — | 5.9 | 7.2 | 8.3 | 9.3 | 10.2 | 13.2 | 16.3 | 18.8 | — | 61 | 59 |
| D10 | DC46 | 4.0 | — | — | 7.9 | 9.7 | 11.3 | 12.6 | 13.8 | 17.9 | 22 | 25 | — | 66 | 64 |



CP26277-1-NY
Quick TeeJet cap
for ceramic disc
and core.



Rollover Valves



Hollow Cone Spray
Pattern.
Produced by Cores
#13, 23, 25, 45, & 46.



ConeJet® Adjustable Spray Tip



5500

Knurled body of tip rotates through a half turn to provide spray selection from wide angle, finely atomised cone spray to a straight stream spray. Tip settings "A" and "B" represent two extreme points of rotation in tip adjustment. Other sizes available.

For capacities from 0.06 to 7.2 L/min.



5500-PP

The 5500 Adjustable ConeJet® tip is also available in a polypropylene version. The polypropylene tip has the same performance characteristics as the brass tip and provides excellent chemical resistance. This tip's light weight makes it well-suited for use on hand held and backpack type sprayers.

| Adjustable ConeJet Tip No. | Performance | Liquid Pressure in bar | | | | | | | | | | | |
|----------------------------|----------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 1.5 bar | | 2 bar | | 3 bar | | 4 bar | | 7 bar | | 10 bar | |
| | | Setting A | Setting B | Setting A | Setting B | Setting A | Setting B | Setting A | Setting B | Setting A | Setting B | Setting A | Setting B |
| 5500-X1 | Capacity-V/min | — | 0.19 | 0.057 | 0.23 | 0.064 | 0.26 | 0.076 | 0.33 | 0.095 | 0.42 | 0.11 | 0.53 |
| | Spray Angle | — | — | 38° | — | 54° | — | 76° | — | 80° | — | 83° | — |
| | Max. Throw, m | — | 7.4 | 0.30 | 8.4 | 0.46 | 9.5 | 0.46 | 9.1 | 0.46 | 7.7 | 0.46 | 5.5 |
| 5500-X2 | Capacity-V/min | 0.09 | 0.34 | 0.11 | 0.42 | 0.12 | 0.49 | 0.15 | 0.61 | 0.19 | 0.76 | 0.22 | 0.95 |
| | Spray Angle | 40° | — | 60° | — | 68° | — | 75° | — | 80° | — | 83° | — |
| | Max. Throw, m | 0.46 | 8.9 | 0.46 | 9.8 | 0.61 | 10.2 | 0.61 | 10.0 | 0.61 | 8.7 | 0.61 | 6.4 |
| 5500-X3 | Capacity-V/min | 0.14 | 0.49 | 0.17 | 0.64 | 0.19 | 0.72 | 0.22 | 0.87 | 0.28 | 1.14 | 0.33 | 1.40 |
| | Spray Angle | 57° | — | 68° | — | 72° | — | 78° | — | 80° | — | 82° | — |
| | Max. Throw, m | 0.61 | 9.5 | 0.61 | 10.4 | 0.61 | 10.8 | 0.61 | 10.4 | 0.91 | 9.2 | 0.91 | 7.0 |
| 5500-PPB-X3 | Max. Throw, m | 0.61 | 9.4 | 0.61 | 10.1 | 0.61 | 10.1 | 0.61 | 9.7 | 0.91 | 8.8 | 0.91 | 7.7 |
| | Capacity-V/min | 0.19 | 0.68 | 0.22 | 0.83 | 0.25 | 0.95 | 0.30 | 1.17 | 0.38 | 1.51 | 0.45 | 1.85 |
| | Spray Angle | 61° | — | 70° | — | 73° | — | 77° | — | 80° | — | 81° | — |
| 5500-X4 | Max. Throw, m | 0.76 | 10.0 | 0.76 | 10.9 | 0.91 | 11.1 | 0.91 | 10.7 | 0.91 | 9.5 | 0.91 | 7.6 |
| | Capacity-V/min | 0.23 | 0.79 | 0.29 | 0.98 | 0.31 | 1.14 | 0.38 | 1.40 | 0.49 | 1.82 | 0.57 | 2.20 |
| | Spray Angle | 61° | — | 70° | — | 74° | — | 77° | — | 80° | — | 81° | — |
| 5500-X5 | Max. Throw, m | 0.76 | 10.3 | 0.76 | 11.1 | 0.91 | 11.3 | 0.91 | 10.9 | 0.91 | 9.7 | 0.91 | 8.0 |
| | Capacity-V/min | 0.28 | 0.98 | 0.33 | 1.21 | 0.38 | 1.40 | 0.45 | 1.70 | 0.57 | 2.20 | 0.72 | 2.69 |
| | Spray Angle | 65° | — | 71° | — | 74° | — | 77° | — | 80° | — | 80° | — |
| 5500-PPB-X5 | Max. Throw, m | 0.76 | 10.6 | 0.91 | 11.4 | 0.91 | 11.7 | 1.1 | 11.1 | 1.1 | 10.0 | 1.1 | 8.4 |
| | Capacity-V/min | 0.37 | 1.25 | 0.45 | 1.51 | 0.49 | 1.78 | 0.61 | 2.16 | 0.79 | 2.80 | 0.95 | 3.41 |
| | Spray Angle | 66° | — | 71° | — | 74° | — | 77° | — | 80° | — | 80° | — |
| 5500-X6 | Max. Throw, m | 0.91 | 10.9 | 0.91 | 11.9 | 0.91 | 12.1 | 0.91 | 11.5 | 1.2 | 10.5 | 1.2 | 9.1 |
| | Capacity-V/min | 0.45 | 1.59 | 0.57 | 1.97 | 0.64 | 2.27 | 0.79 | 2.76 | 0.98 | 3.56 | 1.17 | 4.54 |
| | Spray Angle | 68° | — | 72° | — | 75° | — | 78° | — | 80° | — | 80° | — |
| 5500-PPB-X6 | Max. Throw, m | 0.91 | 11.2 | 1.1 | 12.1 | 1.1 | 12.3 | 1.2 | 11.9 | 1.2 | 10.9 | 1.2 | 9.7 |
| | Capacity-V/min | 0.57 | 1.85 | 0.68 | 2.27 | 0.76 | 2.61 | 0.91 | 3.18 | 1.17 | 4.16 | 1.44 | 4.92 |
| | Spray Angle | 69° | — | 73° | — | 76° | — | 78° | — | 80° | — | 80° | — |
| 5500-X7 | Max. Throw, m | 1.1 | 11.5 | 1.2 | 12.4 | 1.2 | 12.7 | 1.2 | 12.3 | 1.2 | 11.4 | 1.2 | 10.2 |
| | Capacity-V/min | 0.64 | 2.08 | 0.76 | 2.54 | 0.87 | 2.95 | 1.10 | 3.60 | 1.40 | 4.54 | 1.70 | 5.68 |
| | Spray Angle | 70° | — | 74° | — | 76° | — | 78° | — | 80° | — | 80° | — |
| 5500-PPB-X7 | Max. Throw, m | 1.1 | 11.6 | 1.2 | 12.6 | 1.2 | 13.0 | 1.2 | 12.6 | 1.4 | 11.9 | 1.4 | 10.9 |
| | Capacity-V/min | 0.79 | 2.61 | 0.98 | 3.18 | 1.14 | 3.67 | 1.40 | 4.54 | 1.78 | 5.68 | 2.20 | 7.19 |
| | Spray Angle | 71° | — | 75° | — | 77° | — | 78° | — | 80° | — | 79° | — |
| 5500-X8 | Max. Throw, m | 1.2 | 11.6 | 1.2 | 12.8 | 1.2 | 13.3 | 1.2 | 13.0 | 1.5 | 12.3 | 1.5 | 11.4 |
| | Capacity-V/min | 0.98 | 3.14 | 1.21 | 3.79 | 1.40 | 4.54 | 1.70 | 5.30 | 2.20 | 7.19 | 2.65 | 8.71 |
| | Spray Angle | 71° | — | 75° | — | 78° | — | 79° | — | 80° | — | 78° | — |
| 5500-PPB-X8 | Max. Throw, m | 1.2 | 11.7 | 1.40 | 13.0 | 1.5 | 13.6 | 1.5 | 13.2 | 1.5 | 12.4 | 1.5 | 11.3 |
| | Capacity-V/min | 1.17 | 3.71 | 1.40 | 4.54 | 1.63 | 5.30 | 2.01 | 6.43 | 2.57 | 9.33 | 3.14 | 10.22 |
| | Spray Angle | 72° | — | 76° | — | 78° | — | 79° | — | 80° | — | 78° | — |
| 5500-X9 | Max. Throw, m | 1.4 | 11.6 | 1.5 | 13.1 | 1.5 | 13.7 | 1.7 | 13.3 | 1.7 | 12.6 | 1.7 | 11.2 |

Above data is based on spraying water from a height of about .75 meters with tip tilted about as shown at left for each setting.

TIP SETTING "A" CONE SPRAY PATTERN



TIP SETTING "B" STRAIGHT STREAM SPRAY PATTERN

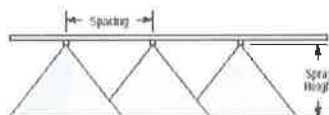




TwinJet

Features:

- Penetrates crop residue or dense foliage.
- Smaller droplets for thorough coverage.
- Better spray distribution along boom than with hollow cone nozzles.
- Available in brass, VisiFlo® color-coding and stainless steel in 65°, 80° and 110° spray angles.
- Available in 40° and 80° twin even flat spray patterns in brass and stainless steel.



Optimum Spray Height

| Spray Angle | Optimum Spray Height |
|-------------|----------------------|
| 65° | 60 cm |
| 80° | 50 cm |
| 110° | 40 cm |

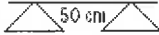






How to Order:

Specify tip number.

Examples:

TJ60-11002VS – Stainless Steel with VisiFlo color-coding

TJ60-11002 – Brass

| | | l/min | l/ha  | | | | | | | | | | | | |
|---|-----|-------|--|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 4 km/h | 5 km/h | 6 km/h | 7 km/h | 8 km/h | 10 km/h | 12 km/h | 16 km/h | 18 km/h | 20 km/h | 25 km/h | 30 km/h | 35 km/h |
|  TJ60-650134VS (100 mesh) | 2.0 | 0.43 | 129 | 103 | 86.0 | 73.7 | 64.5 | 51.6 | 43.0 | 32.3 | 28.7 | 25.8 | 20.6 | 17.2 | 14.7 |
| | 2.5 | 0.48 | 144 | 115 | 96.0 | 82.3 | 72.0 | 57.6 | 48.0 | 36.0 | 32.0 | 28.8 | 23.0 | 19.2 | 16.5 |
| | 3.0 | 0.53 | 159 | 127 | 106 | 90.9 | 79.5 | 63.6 | 53.0 | 39.8 | 35.3 | 31.8 | 25.4 | 21.2 | 18.2 |
| | 3.5 | 0.57 | 171 | 137 | 114 | 97.7 | 85.5 | 68.4 | 57.0 | 42.8 | 38.0 | 34.2 | 27.4 | 22.8 | 19.5 |
|  TJ60-6502VS TJ60-8002VS TJ60-11002VS (100 mesh) | 2.0 | 0.65 | 195 | 156 | 130 | 111 | 97.5 | 78.0 | 65.0 | 48.8 | 43.3 | 39.0 | 31.2 | 26.0 | 22.3 |
| | 2.5 | 0.72 | 216 | 173 | 144 | 123 | 108 | 86.4 | 72.0 | 54.0 | 48.0 | 43.2 | 34.6 | 28.8 | 24.7 |
| | 3.0 | 0.79 | 237 | 190 | 158 | 135 | 119 | 94.8 | 79.0 | 59.3 | 52.7 | 47.4 | 37.9 | 31.6 | 27.1 |
| | 3.5 | 0.85 | 255 | 204 | 170 | 146 | 128 | 102 | 85.0 | 63.8 | 56.7 | 51.0 | 40.8 | 34.0 | 29.1 |
|  TJ60-6503VS TJ60-8003VS TJ60-11003VS (100 mesh) | 2.0 | 0.96 | 288 | 230 | 192 | 165 | 144 | 115 | 96.0 | 72.0 | 64.0 | 57.6 | 46.1 | 38.4 | 32.9 |
| | 2.5 | 1.08 | 324 | 259 | 216 | 185 | 162 | 130 | 108 | 81.0 | 72.0 | 64.8 | 51.8 | 43.2 | 37.0 |
| | 3.0 | 1.18 | 354 | 283 | 236 | 202 | 177 | 142 | 118 | 88.5 | 78.7 | 70.8 | 56.6 | 47.2 | 40.5 |
| | 3.5 | 1.27 | 381 | 305 | 254 | 218 | 191 | 152 | 127 | 95.3 | 84.7 | 76.2 | 61.0 | 50.8 | 43.5 |
|  TJ60-6504VS TJ60-8004VS TJ60-11004VS (50 mesh) | 2.0 | 1.29 | 387 | 310 | 258 | 221 | 194 | 155 | 129 | 96.8 | 86.0 | 77.4 | 61.9 | 51.6 | 44.2 |
| | 2.5 | 1.44 | 432 | 346 | 288 | 247 | 216 | 173 | 144 | 108 | 96.0 | 86.4 | 69.1 | 57.6 | 49.4 |
| | 3.0 | 1.58 | 474 | 379 | 316 | 271 | 237 | 190 | 158 | 119 | 105 | 94.8 | 75.8 | 63.2 | 54.2 |
| | 3.5 | 1.71 | 513 | 410 | 342 | 293 | 257 | 205 | 171 | 128 | 114 | 103 | 82.1 | 68.4 | 58.6 |
|  TJ60-6506VS TJ60-8006VS TJ60-11006VS (50 mesh) | 2.0 | 1.94 | 582 | 466 | 388 | 333 | 291 | 233 | 194 | 146 | 129 | 116 | 93.1 | 77.6 | 66.5 |
| | 2.5 | 2.16 | 648 | 518 | 432 | 370 | 324 | 259 | 216 | 162 | 144 | 130 | 104 | 86.4 | 74.1 |
| | 3.0 | 2.37 | 711 | 569 | 474 | 406 | 356 | 284 | 237 | 178 | 158 | 142 | 114 | 94.8 | 81.3 |
| | 3.5 | 2.56 | 768 | 614 | 512 | 439 | 384 | 307 | 256 | 192 | 171 | 154 | 123 | 102 | 87.8 |
|  TJ60-6508VS TJ60-8008VS TJ60-11008VS (50 mesh) | 2.0 | 2.58 | 774 | 619 | 516 | 442 | 387 | 310 | 258 | 194 | 172 | 155 | 124 | 103 | 88.5 |
| | 2.5 | 2.88 | 864 | 691 | 576 | 494 | 432 | 346 | 288 | 216 | 192 | 173 | 138 | 115 | 98.7 |
| | 3.0 | 3.16 | 948 | 758 | 632 | 542 | 474 | 379 | 316 | 237 | 211 | 190 | 152 | 126 | 108 |
| | 3.5 | 3.41 | 1023 | 818 | 682 | 585 | 512 | 409 | 341 | 256 | 227 | 205 | 164 | 136 | 117 |
|  TJ60-8010VS TJ60-11010VS (50 mesh) | 2.0 | 3.23 | 969 | 775 | 646 | 554 | 485 | 388 | 323 | 242 | 215 | 194 | 155 | 129 | 111 |
| | 2.5 | 3.61 | 1083 | 866 | 722 | 619 | 542 | 433 | 361 | 271 | 241 | 217 | 173 | 144 | 124 |
| | 3.0 | 3.95 | 1185 | 948 | 790 | 677 | 593 | 474 | 395 | 296 | 263 | 237 | 190 | 158 | 135 |
| | 3.5 | 4.27 | 1281 | 1025 | 854 | 732 | 641 | 512 | 427 | 320 | 285 | 256 | 205 | 171 | 146 |
|  | 4.0 | 4.56 | 1368 | 1094 | 912 | 782 | 684 | 547 | 456 | 342 | 304 | 274 | 219 | 182 | 156 |



BoomJet® Boomless Nozzles with Extra Wide Flat Spray Projection

Type 5880 BoomJet® Nozzle is used for spraying areas not easily accessed with a boom sprayer. It combines two off-centre tips and three VeeJet® nozzles to produce an overall wide swath flat spray. The nozzle assembly provides good distribution considering the wide pattern coverage obtained; however uniformity is not as good as with a properly operated boom sprayer.* Supplied with one additional 1/4" NPT pipe plug and one blank tip for setting BoomJet® to one side only. Also has a 1/4" NPT pressure gauge port.

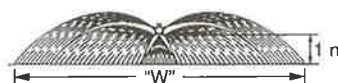
* Uniformity can be optimised by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.








Type 5880-3/4" NPT Female
Back inlet connection.
Weights: Brass: 0.91 kg
Aluminium: 0.34 kg.

TO ORDER:



Specify BoomJet® Nozzle number and material.
Example: 5880-3/4"-2TOC-AL06 - Aluminium.



W = Maximum effective coverage with nozzle mounted at 1m

|  |  |  |  |  | l/min | "W" (m) | l/ha | | | | |
|--|--|--|--|--|-------|---------|--------|--------|---------|---------|---------|
| | | | | | | | 6 km/h | 8 km/h | 12 km/h | 16 km/h | 24 km/h |
| 5880-3/4-2TOC06 | #6733-OC06 | H1/4VVL-1506 | H1/4VVL-9502 with 50 mesh strainer | 1.5 | 7.26 | 10.2 | 71.2 | 53.4 | 35.6 | 26.7 | 17.8 |
| | | | | 2.0 | 8.38 | 10.3 | 81.4 | 61.0 | 40.7 | 30.5 | 20.3 |
| | | | | 2.5 | 9.37 | 10.5 | 89.2 | 66.9 | 44.6 | 33.5 | 22.3 |
| 5880-3/4-2TOC10 | OC10 | H1/4U-0508HE | H1/4VVL-11004 with 50 mesh strainer | 1.5 | 11.16 | 12.0 | 93.0 | 69.8 | 46.5 | 34.9 | 23.3 |
| | | | | 2.0 | 12.89 | 12.1 | 107 | 79.9 | 53.3 | 39.9 | 26.6 |
| | | | | 2.5 | 14.41 | 12.3 | 117 | 87.9 | 58.6 | 43.9 | 29.3 |
| 5880-3/4-2TOC20 | OC20 | H1/4U-0520HE | H1/4VVL-9506 with 50 mesh strainer | 1.5 | 24.00 | 14.3 | 168 | 126 | 83.9 | 62.9 | 42.0 |
| | | | | 2.0 | 27.72 | 15.2 | 182 | 137 | 91.2 | 68.4 | 45.6 |
| | | | | 2.5 | 30.99 | 15.8 | 195 | 147 | 98.1 | 73.6 | 49.0 |
| 5880-3/4-2TOC40 | OC40 | H1/4U-0540HE | H1/4U-9510 | 1.5 | 47.44 | 17.1 | 277 | 208 | 139 | 104 | 69.4 |
| | | | | 2.0 | 54.78 | 18.2 | 301 | 225 | 150 | 113 | 75.2 |
| | | | | 2.5 | 61.25 | 19.2 | 319 | 239 | 160 | 120 | 79.8 |

TeeJet® Swivel Spray Nozzles with Off-Centre Flat Spray Tips - Larger Capacities

|  |  | l/min | "W" (m) | "H" = 90 cm | | |
|---|---|--------|---------|-------------|---------|---------|
| | | | | l/ha | | |
| | | | | 8 km/h | 16 km/h | 24 km/h |
| 4629-3/4-TOC10 | 2 | 3.23 | 5.4 | 44.9 | 22.4 | 15.0 |
| | 3 | 3.95 | 5.6 | 52.9 | 26.5 | 17.6 |
| | 4 | 4.56 | 5.6 | 61.1 | 30.5 | 20.4 |
| 4629-3/4-TOC20 | 2 | 6.45 | 7.1 | 68.1 | 34.1 | 22.7 |
| | 3 | 7.90 | 7.4 | 80.1 | 40.0 | 26.7 |
| | 4 | 9.12 | 7.4 | 92.4 | 46.2 | 30.8 |
| 4629-3/4-TOC40 | 2 | 12.89 | 7.9 | 122 | 61.2 | 40.8 |
| | 3 | 15.79 | 8.2 | 144 | 72.2 | 48.1 |
| | 4 | 18.23 | 8.2 | 167 | 83.4 | 55.6 |
| 4629-3/4-TOC80 | 2 | 25.78 | 8.8 | 220 | 110 | 73.3 |
| | 3 | 31.58 | 9.1 | 260 | 130 | 86.8 |
| | 4 | 36.47 | 9.1 | 301 | 150 | 100 |
| 4629-3/4-TOC150 | 2 | 48.34 | 9.3 | 390 | 195 | 130 |
| | 3 | 59.21 | 9.6 | 463 | 231 | 154 |
| | 4 | 68.37 | 9.6 | 534 | 267 | 178 |
| 4629-3/4-TOC300 | 2 | 96.68 | 9.7 | 748 | 374 | 249 |
| | 3 | 118.41 | 10.0 | 888 | 444 | 295 |
| | 4 | 136.73 | 10.2 | 1005 | 503 | 335 |

Large capacity swivel nozzles, available in both single or double styles, are available with 3/4" NPT (F) inlet connections for use as boomless type nozzles. For double swivels the tabulated L/min capacities are twice those shown for single swivels.

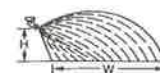
TO ORDER:

Specify swivel number & material.
Example: 4629-3/4-TOC10 - Brass.



W=Maximum effective coverage with nozzle mounted at 90cm height.

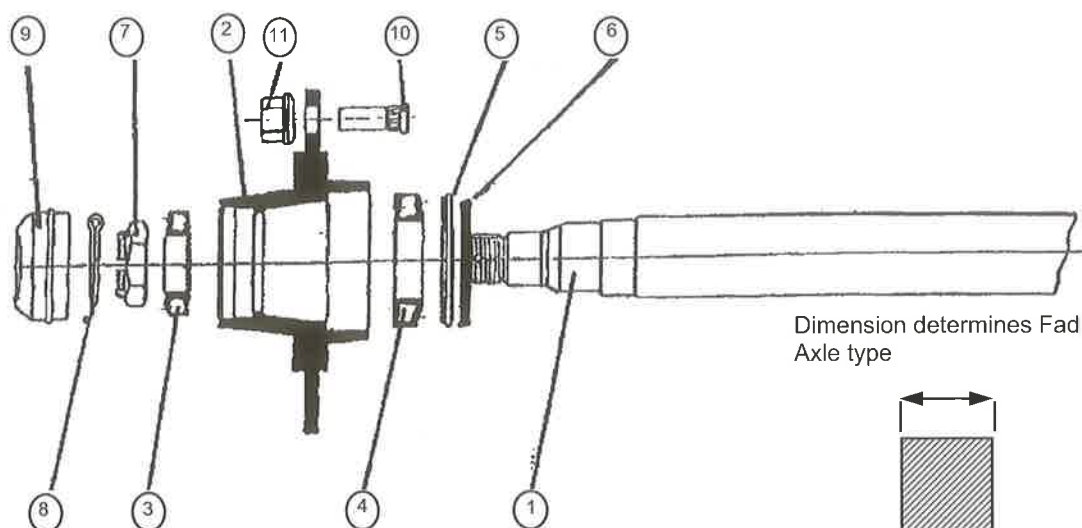
Type 4418-3/4-2TOC Double Swivel





AXLES

FAD AXLES



| POS NO | DESCR- PTION | PART NUMBER | | | | | | | |
|-----------|--------------------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|
| | | 90H-10 (033.140.010) | FAD80-8 (A808009) | FAD80-6 (A806012) | FAD70-8 (A708015) | FAD70-6 (A706091) | FAD60-6 (A606085) | FAD50S-6 (A506040) | FAD50S-5 (A505018) |
| | CARRYING CAPACITY PER HUB (KG) | 5500 | 4250 | 4250 | 3250 | 3000 | 2350 | 1500 | 1500 |
| 1 | Stub | S1045 | STUB80SQ | STUB80SQ | STUB70SQ | STUB70SQ | STUB60SQ | STUB50SQ | STUB50S Q |
| 2 | Hub | 033.140.060 | HUB80-8 | HUB80 | HUB70-8 | HUB70 | HUB60 | HUB50-6 | HUB50 |
| 3 | Outer Bearing | 920.000.840 | 32211 | 32210 | 32210 | 30210 | 30208 | 30206 | 30206 |
| 4 | Inner Bearing | 920.000.799 | 32215 | 32214 | 32213 | 30213 | 30211 | 30209 | 30208 |
| 5 | Seal | 920.000.763 | S90-130-12 | S85-125-12 | S80-120-12 | S80-120-12 | S70-100-10 | S53-85-10 | S48-80-8 |
| 6 | Seal Ring | 033-140-050 | SR72-85-13 | SR72-85-13 | SR67-80-13 | SR67-80-13 | SR57-70-13 | SR46-53-13 | SR46-53- 13 |
| 7 | Axle Nut | | FSP24 | FSP24 | FSP24 | FSP24 | FSP22 | FSP21 | FSP21 |
| 8 | Split Pin | 920.000.974 | S1506 | S1506 | S1506 | S1506 | S1506 | S1506 | S1506 |
| 9 | Grease Cap | 033-175-070 | FSPDC100 100mm | FSPDC90 90mm | FSPDC90 90mm | FSPDC90 90mm | FSPDC80 80mm | FSPDC62 62mm | FSPDC62 62mm |
| 10 | Wheel Stud | 170.052.010 | FSP44 | FSP44 | FSP44 | FSP44 | FSP44 | FSP43 | FSP43 |
| 11 | Wheel Nut | 170.070.010 | FSP34 | FSP34 | FSP34 | FSP34 | FSP34 | FSP33 | FSP33 |



AXLES

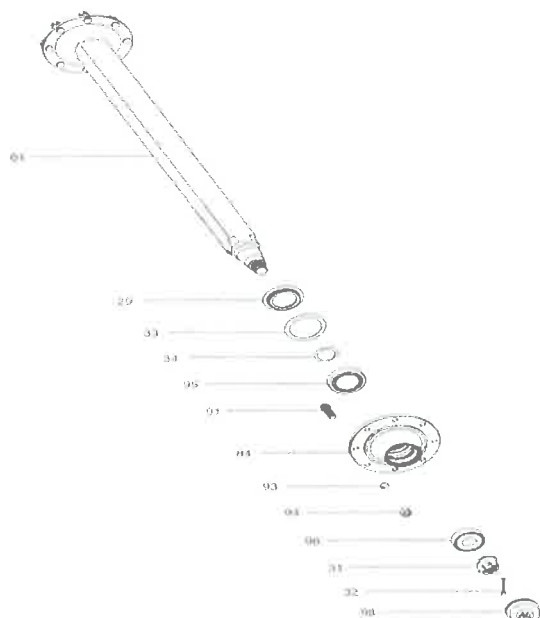
TRAILER AXLES

| PART NO. | DESCRIPTION | TO SUIT: |
|----------|--|--------------------|
| HS1 | HT Holden Hub-Stub Assembly | |
| H1 | HT Holden Hub 5-Stud Drilled & Studded | HT Holden |
| HS4716 | Mini Hub-Stub Assembly | ATV Trailer Frames |
| H4716 | Mini Hub 4-Stud Drilled & Studded | Mini |
| A3912LM | Stub Axle 39mm Round 12" | HT Holden & Mini |
| LM67048 | Inner Bearing Cone | HT Holden & Mini |
| LM67010 | Inner Bearing Cup | HT Holden & Mini |
| LM11949 | Outer Bearing Cone | HT Holden & Mini |
| LM11910 | Outer Bearing Cup | HT Holden & Mini |
| GS609 | Grease Seal | HT Holden & Mini |
| GC1 | Grease Cap | HT Holden & Mini |
| AN34 | Axle Nut 3/4" | HT Holden & Mini |
| WN716 | Wheel Nut 7/16" | HT Holden & Mini |
| WS716 | Wheel Stud 7/16" | HT Holden & Mini |
| AW1 | Axle Washer | HT Holden & Mini |
| SP1 | Axle Split Pin | HT Holden & Mini |
| BLM | Bearing Cup & Cone Set 11910/49 & | HT Holden & Mini |
| BALM | Bearing Assembly Complete | HT Holden & Mini |



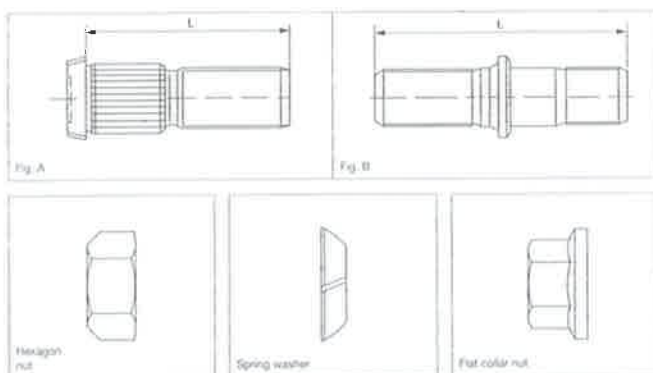
AXLES

BPW AXLES



| | upon request | upon request | upon request | upon request | upon request | upon request |
|-------------------|-------------------------------|----------------------------------|--------------------------------|-------------------------------|---------------------------------|---------------------------------|
| 01 Axle beam | | | | | | |
| 20 Thrust washer | | 03.370.51.02.0 Ø 51/60 x 5 | 03.370.51.03.0 Ø 56/65 x 6 | 03.370.05.16.0 Ø 80/69 x 6 | 03.370.05.14.0 Ø 85/74 x 7 | 03.370.05.14.0 Ø 85/74 x 7 |
| 31 Castle nut | 02.5207.25.04 M 24x1,5 | 02.5207.28.04 M 27x1,5 | 02.5207.28.04 M 27x1,5 | 02.5207.28.04 M 27x1,5 | 03.262.16.11.0 M 36x1,5 | 03.262.16.11.0 M 36x1,5 |
| 32 Split pin | 02.6201.54.01 5x40/ISO1234 | 02.6201.55.01 5x45/ISO1234 | 02.6201.55.01 5x45/ISO1234 | 02.6201.55.01 5x45/ISO1234 | 02.6201.63.01 6,3x63/ISO1234 | 02.6201.63.01 6,3x63/ISO1234 |
| 33 Seal | 02.5681.95.00 Ø 61,6/35x7 | 05.120.70.02.0 Ø 85,5/50x11,5 | 05.120.70.03.0 Ø 90,5/55x12 | 05.120.28.09.0 Ø 100/68x12 | 05.120.26.08.0 Ø 110/73x14,5 | 05.120.26.08.0 Ø 110/73x14,5 |
| 34 Ring | | | | | 03.310.23.09.0 Ø 66/37x5 | 03.310.23.09.0 Ø 66/37x5 |
| 84 Hub | 03.271.54.05.0 160/205/6 | 03.271.54.01.0 160/205/6 | 03.270.70.34.0 160/205/6 | 03.272.01.10.0 160/205/6 | 03.272.09.58.0 160/205/6 | 03.271.54.02.0 220/275/8 |
| 95 Roller bearing | 02.6404.35.00 32007 X/720 | 02.6401.45.00 30209/720 | 02.6401.50.00 30216/720 | 02.6404.65.00 32013 X/720 | 02.6401.70.00 32014 X/720 | 02.6404.70.00 32014 X/720 |
| 96 Roller bearing | 02.6401.25.00 30205/720 | 02.6401.30.00 30206/720 | 02.6405.35.00 32207/720 | 02.6405.35.00 32207/720 | 02.6401.50.00 30210/720 | 02.6401.50.00 30210/720 |
| 98 Cap | 03.211.02.02.0 Ø 53 | 03.211.03.05.0 Ø 62,2 | 03.211.05.06.0 Ø 72,1 | 03.211.05.06.0 Ø 72,1 | 03.211.07.03.0 Ø 90,1 | 03.211.07.03.0 Ø 90,1 |

1.5 Wheel stud



| Thread | Fig. | Wheel stud Item 91 | Dimension | Hexagon nut Item 92 | Spring washer Item 93 | Flat collar nut Item 94 |
|--------------------|------|-----------------------|-------------------------|------------------------|-------------------------------|-----------------------------|
| M 14x1,5 | A | 03.296.00.10.0 | M 14x1,5x43 | - | 02.5615.14.94 C 14,5/74361 | 02.5213.06.83 B 14/74361 |
| M 16x1,5 | A | 03.296.01.16.0 | M 16x1,5x46 | - | 02.5615.18.94 C 16,5/74361 | 02.5213.12.83 B 16/74361 |
| | A | 03.296.01.17.0 | M 16x1,5x52 | - | 02.5615.18.94 C 16,5/74361 | 02.5213.12.83 B 16/74361 |
| | A | 03.296.01.23.0 | M 16x1,5x57 | - | 02.5615.18.94 C 16,5/74361 | 02.5213.12.83 B 16/74361 |
| | A | 03.296.01.20.0 | M 16x1,5x64 | - | 02.5615.18.94 C 16,5/74361 | 02.5213.12.83 B 16/74361 |
| M 20x1,5 | A | 03.296.02.12.0 | M 20x1,5x60 | - | 02.5615.20.94 C 20,5/74361 | 02.5213.14.83 B 20/74361 |
| | A | 03.296.02.13.0 | M 20x1,5x64 | - | 02.5615.20.94 C 20,5/74361 | 02.5213.14.83 B 20/74361 |
| | A | 03.296.02.14.0 | M 20x1,5x76 | - | 02.5615.20.94 C 20,5/74361 | 02.5213.14.83 B 20/74361 |
| | A | 03.296.70.01.0 | M 20x1,5x70 | - | 02.5615.20.94 C 20,5/74361 | 02.5213.14.83 B 20/74361 |
| | B | 03.296.22.04.0 | M 20x1,5x94 | 03.260.03.05.0 | 02.5615.20.94 C 20,5/74361 | 02.5213.14.83 B 20/74361 |
| M 22x1,5 M 22x2 | B | 03.296.23.15.0 | M 22x1,5x M 22x2x100 | 03.260.04.06.0 | 02.5615.22.94 C 22,5/74361 | 03.261.50.02.0 |
| M 22x2 | B | 03.296.23.05.0 | M 22x2x100 | 03.260.04.06.0 | 02.5615.22.94 C 22,5/74361 | 03.261.50.01.0 |
| M 22x1,5 | A | 03.296.33.11.1 | M 22x1,5x80 | - | 02.5615.22.94 C 22,5/74361 | 03.261.50.02.0 |



CAM LEVER COUPLINGS



MALE ADAPTOR - FEMALE THREAD

| | |
|--------|------|
| 3/4" | 75A |
| 1" | 100A |
| 1 1/2" | 150A |
| 2" | 200A |
| 3" | 300A |

Seals for Female couplers
and Cap



FEMALE COUPLER - MALE THREAD

| | |
|--------|------|
| 3/4" | 75B |
| 1" | 100B |
| 1 1/2" | 150B |
| 2" | 200B |
| 3" | 300B |



75SEAL



100SEAL



150SEAL



200SEAL



FEMALE COUPLER - HOSE SHANK

| | |
|--------|------|
| 1/2" | 50C |
| 3/4" | 75C |
| 1" | 100C |
| 1 1/2" | 150C |
| 2" | 200C |
| 3" | 300C |



FEMALE COUPLER - FEMALE THREAD

| | |
|--------|------|
| 3/4" | 75D |
| 1" | 100D |
| 1 1/2" | 150D |
| 2" | 200D |
| 3" | 300D |



MALE ADAPTOR - HOSE SHANK

| | |
|--------|------|
| 1/2" | 50E |
| 3/4" | 75E |
| 1" | 100E |
| 1 1/2" | 150E |
| 2" | 200E |
| 3" | 300E |



MALE ADAPTOR - MALE THREAD

| | |
|--------|------|
| 3/4" | 75F |
| 1" | 100F |
| 1 1/2" | 150F |
| 2" | 200F |
| 3" | 300F |



PLUG FOR FEMALE COUPLER

| | |
|--------|-------|
| 3/4" | 75PL |
| 1" | 100PL |
| 1 1/2" | 150PL |
| 2" | 200PL |
| 3" | 300PL |

PL



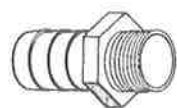
CAP FOR MALE ADAPTOR

| | |
|--------|--------|
| 3/4" | 75CAP |
| 1" | 100CAP |
| 1 1/2" | 150CAP |
| 2" | 200CAP |
| 3" | 300CAP |

CAP



NYLON FITTINGS



MALE TAPER PIPE THREAD HOSE BARBS

| | THREAD | BARB |
|---------|--------|--------|
| A14 | 1/4" | 1/4" |
| A1438 | 1/4" | 3/8" |
| A1412 | 1/4" | 1/2" |
| A3812 | 3/8" | 1/2" |
| A12 | 1/2" | 1/2" |
| A1214 | 1/2" | 1/4" |
| A1234 | 1/2" | 3/4" |
| A12100 | 1/2" | 1" |
| A3412 | 3/4" | 1/2" |
| A34 | 3/4" | 3/4" |
| A34100 | 3/4" | 1" |
| A34114 | 3/4" | 1 1/4" |
| A10034 | 1" | 3/4" |
| A100 | 1" | 1" |
| A100114 | 1" | 1 1/4" |
| A11434 | 1 1/4" | 3/4" |
| A114100 | 1 1/4" | 1" |
| A114 | 1 1/4" | 1 1/4" |
| A114112 | 1 1/4" | 1 1/2" |
| A112 | 1 1/2" | 1 1/2" |
| A112114 | 1 1/2" | 1 1/4" |
| A200112 | 2" | 1 1/2" |
| A200 | 2" | 2" |



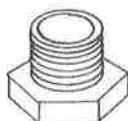
ELBOWS: MALE TAPER PIPE THREAD HOSE BARB

| | THREAD | BARB |
|----------|--------|--------|
| EL1438 | 1/4" | 3/8" |
| EL1412 | 1/4" | 1/2" |
| EL38 | 3/8" | 3/8" |
| EL3812 | 3/8" | 1/2" |
| EL1214 | 1/2" | 1/4" |
| EL1238 | 1/2" | 3/8" |
| EL12 | 1/2" | 1/2" |
| EL1234 | 1/2" | 3/4" |
| EL3414 | 3/4" | 1/4" |
| EL3412 | 3/4" | 1/2" |
| EL34 | 3/4" | 3/4" |
| EL34100 | 3/4" | 1" |
| EL100 | 1" | 1" |
| EL10034 | 1" | 3/4" |
| EL100114 | 1" | 1 1/4" |
| EL114100 | 1 1/4" | 1" |
| EL114 | 1 1/4" | 1 1/4" |
| EL114112 | 1 1/4" | 1 1/2" |
| EL112 | 1 1/2" | 1 1/2" |
| EL200112 | 2" | 1 1/2" |
| EL200 | 2" | 2" |



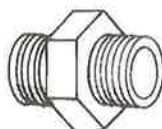
ELBOWS: FEMALE TAPER PIPE THREAD HOSE BARBS

| | THREAD | BARB |
|---------|--------|------|
| EL3412F | 3/4" | 1/2" |
| EL34F | 3/4" | 3/4" |



HEX PLUG: MALE TAPER PIPE THREADS

| | THREAD |
|------|--------|
| F14 | 1/4" |
| F12 | 1/2" |
| F34 | 3/4" |
| F100 | 1" |
| F114 | 1 1/4" |
| F112 | 1 1/2" |



NIPPLES: MALE TAPER PIPE THREADS

| | THREAD |
|------|--------|
| M14 | 1/4" |
| M12 | 1/2" |
| M34 | 3/4" |
| M100 | 1" |
| M114 | 1 1/4" |
| M112 | 1 1/2" |

REDUCING NIPPLES

| | THREAD | THREAD |
|---------|--------|--------|
| M1418 | 1/8" | 1/4" |
| M1214 | 1/4" | 1/2" |
| M1238 | 3/8" | 1/2" |
| M3438 | 3/8" | 3/4" |
| M3412 | 1/2" | 3/4" |
| M10034 | 3/4" | 1" |
| M114100 | 1 1/4" | 1" |
| M112100 | 1 1/2" | 1" |
| M112114 | 1 1/2" | 1 1/4" |
| M200100 | 2" | 1" |
| M200112 | 2" | 1 1/2" |



NYLON FITTINGS



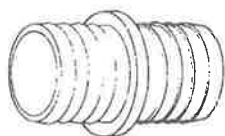
REDUCING BUSHINGS

| | THREAD | THREAD |
|----------|--------|--------|
| RB1238 | 1/2" | 3/8" |
| RB3414 | 3/4" | 1/4" |
| RB3412 | 3/4" | 1/2" |
| RB10014 | 1" | 1/4" |
| RB10012 | 1" | 1/2" |
| RB10034 | 1" | 3/4" |
| RB11434 | 1 1/4" | 3/4" |
| RB114100 | 1 1/4" | 1" |
| RB112114 | 1 1/2" | 1 1/4" |
| RB200112 | 2" | 1 1/2" |



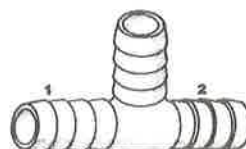
STREET ELBOWS: FEMALE TAPER PIPE THREAD AND MALE TAPER PIPE THREAD

| | | |
|-------|-----------|-----------|
| SE12 | 1/2"FPT | 1/2"MPT |
| SE34 | 3/4"FPT | 3/4"MPT |
| SE100 | 1"FPT | 1"MPT |
| SE114 | 1 1/4"FPT | 1 1/4"MPT |
| SE112 | 1 1/2"FPT | 1 1/2"MPT |



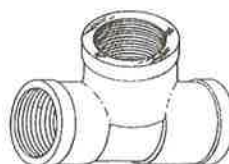
STANDARD HOSE MENDERS

| | BARB | BARB |
|--------|--------|--------|
| SHM14 | 1/4" | 1/4" |
| SHM12 | 1/2" | 1/2" |
| SHM34 | 3/4" | 3/4" |
| SHM100 | 1" | 1" |
| SHM114 | 1 1/4" | 1 1/4" |



INSERT TEES: THREE HOSE BARBS

| | BARB SIZE | | |
|-------|-----------|------|------|
| | 1 | 2 | 3 |
| T12 | 1/2" | 1/2" | 1/2" |
| T34 | 3/4" | 3/4" | 3/4" |
| T3412 | 1/2" | 1/2" | 3/4" |
| T100 | 1" | 1" | 1" |



TEE: FEMALE TAPER PIPE THREADS

| | |
|-------|----------------------|
| TT12 | 1/2"x1/2"x1/2" |
| TT34 | 3/4"x3/4"x3/4" |
| TT100 | 1"x1"x1" |
| TT114 | 1 1/4"x1 1/4"x1 1/4" |
| TT112 | 1 1/2"x1 1/2"x1 1/2" |



TEE: ONE MALE TAPER PIPE THREAD & TWO HOSE BARBS

| | THREAD | BARB | BARB |
|------|--------|------|------|
| T12T | 1/2" | 1/2" | 1/2" |
| T34T | 3/4" | 3/4" | 3/4" |

FEMALE ELBOWS

| | |
|--------|-----------------|
| EL112F | 1 1/2" x 1 1/2" |
| EL200F | 2" x 2" |



NYLON FITTINGS



HOSETAIL FOR FLY NUT

1 1/2" to suit 25mm hose **106625**. O'ring to suit G10061
 1 1/2" to suit 32mm hose **106633**. O'ring to suit G10061
 1 1/2" to suit 38mm hose **106638**. O'ring to suit G10061



90° HOSETAIL FOR FLY NUT

1 1/4" to suit 25mm hose **116525** O'R suit G10051
 1 1/4" to suit 32mm hose **116533** O'R suit G10051
 1 1/2" to suit 25mm hose **116625** O'R suit G10061
 1 1/2" to suit 32mm hose **116633** O'R suit G10061
 1 1/2" to suit 38mm hose **116640** O'R suit G10061
 2" to suit 50mm hose **116752** O'R suit G10071



45° HOSETAIL FOR FLY NUT

1 1/2" to suit 40mm hose **117640**
 O'Ring to suit G10061



NIPPLES

1" **2502040**
 1 1/2" **2502060**



O RING

1 1/2" G10061



MALE-FEMALE REDUCTION

3/4" - 1 1/4" **245035**



3/4 4-WAY CROSS

3/4" **CR075**



BACK NUT

3/4" **205030**



FLY NUT

1" **200040**
 1 1/4" **200050**
 1 1/2" **200060**
 2" **200070**



45° HOSETAIL MALE THREAD

1 1/2" **114640**



FEMALE 3/4" HOSE BARB

3/4" **HBF075**



PIPE CAP

3/4" **CAP075**



PIPE COUPLING

3/4" **CPLG075**
 1" **CPLG100**
 1 1/2" **CPLG150**
 2" **CPLG200**



ONE WAY VALVE

1 1/4" **95 5024 00**
 1 1/2" **95 5025 00**

Please note: Part numbers 116640, 0375 & 0370 are interchangeable as are part numbers 116752 & 0376.



BANJO MANIFOLD FITTINGS



| Part Number | Description |
|-------------|----------------------|
| M100TEE | 1" manifold tee |
| M200100TEE | 2" x 1" manifold tee |
| M200TEE | 2" manifold tee |



| Part Number | Description |
|--------------|--|
| M100075BRB90 | 1" flange x 3/4" hose barb 90° elbow |
| M100BRB90 | 1" flange x 1" hose barb 90° elbow |
| M100125BRB90 | 1" flange x 1 1/4" hose barb 90° elbow |
| M200100BRB90 | 2" flange x 1" hose barb 90° elbow |
| M200125BRB90 | 2" flange x 1 1/4" hose barb 90° elbow |
| M200150BRB90 | 2" flange x 1 1/2" hose barb 90° elbow |
| M200BRB90 | 2" flange x 2" hose barb 90° elbow |



| Part Number | Description |
|-------------|------------------------------|
| M100075BRB | 1" flange x 3/4" hose barb |
| M100BRB | 1" flange x 1" hose barb |
| M100125BRB | 1" flange x 1 1/4" hose barb |
| M200100BRB | 2" flange x 1" hose barb |
| M200125BRB | 2" flange x 1 1/4" hose barb |
| M200150BRB | 2" flange x 1 1/2" hose barb |
| M200BRB | 2" flange x 2" hose barb |



| Part Number | Description |
|-------------|--------------------------|
| FC100 | 1" worm screw clamp |
| FC200 | 2" worm screw clamp |
| M100G | 1" EPDM gasket |
| 150G | 2" EPDM gasket |
| 200G | 2" full port gasket EPDM |



| Part Number | Description |
|-------------|-------------------------------|
| M100PLG | 1" flanged plug |
| M200PLG | 2" flanged plug |
| M220PLG | 2" full port flange plug |
| M100PLG025 | 1" flanged plug with 1/4" FPT |
| M200PLG018 | 2" flanged plug with 1/8" FPT |
| M200PLG025 | 2" flanged plug with 1/4" FPT |
| M200PLG038 | 2" flanged plug with 3/8" FPT |
| M200PLG050 | 2" flanged plug with 1/2" FPT |
| M200PLG075 | 2" flanged plug with 3/4" FPT |
| M200PLG100 | 2" flanged plug with 1" FPT |



| Part Number | Description |
|-------------|----------------------------------|
| M100075FPT | 1" manifold x 3/4" female thread |
| M100FPT | 1" manifold x 1" female thread |
| M100125MPT | 1" manifold x 1 1/4" male thread |
| M200100MPT | 2" manifold x 1" male thread |
| M200125MPT | 2" manifold x 1 1/4" male thread |
| M200150MPT | 2" manifold x 1 1/2" male thread |
| M200MPT | 2" manifold x 2" male thread |



| Part Number | Description |
|-------------|---------------------------|
| M100CPG90 | 1" flange x 1" flange 90° |
| M200CPG90 | 2" flange x 2" flange 90° |

| Part Number | Description |
|-------------|------------------|
| M100CR | 1" flanged cross |
| M200CR | 2" flanged cross |



UTILITY BOX

FEATURES:

- Extremely durable - constructed from high density polyethylene.
- Water proof seal.
- Carry handles.
- Lockable catches.
- Removable tray insert with webbed carry handles.
- Fits neatly under your tarp.

SIZE:

900 x 550 x 380mm **E936**
900 x 550 x 550mm **E1140**



GOLDACRES SERVICE KITS

The service kit consists of spare parts including:

| | |
|-------------------------|----------------------------|
| Pump repair kit | Solenoid repair kits |
| Foam concentrate | Foam accumulator |
| Accumulator elbow | Suction filter screen |
| Pressure filter screens | Filter O rings |
| Nozzle bodies | Caps & Seals |
| Boom weight | Nozzles |
| Nozzle strainers | Hose clamps |
| Teflon tape | Goldacres parts catalogues |

Note: Pump repair kits and solenoid kits can vary with different sized sprayers. Please specify which ones are required in each particular kit.

The kit comes in a durable green and gold nylon 55 Litre box with sufficient room for other items such as safety equipment.

| | |
|--------------------------------|--------------------|
| Service Kit to suit RO121 pump | GASK121/130 |
| Service Kit to suit RO160 pump | GASK160 |
| Service Kit to suit RO210 pump | GASK210 |
| Service Kit to suit RO250 pump | GASK250 |





MAINTENANCE KIT

GOLDACRES SPRAYER MAINTENANCE KIT

- Pump repair kit (including side diaphragms, air diaphragm, valve springs, seals, O rings & fitting instructions)
- Compressor repair kit (inc. diaphragm, 2 flapper valves, gasket)
- 3 way ball valve seal kit (inc. Teflon seats & O rings)
- 8460 relief valve repair kit (inc. seat, diaphragm & springs)
- Filter O ring kit (inc. suction & pressure filter O rings)
- G15 boom anti-corrosive spray.
- Nozzle calibration jug.

****Sprayer type and size (inc pump) or
Serial No. will be required when ordering****

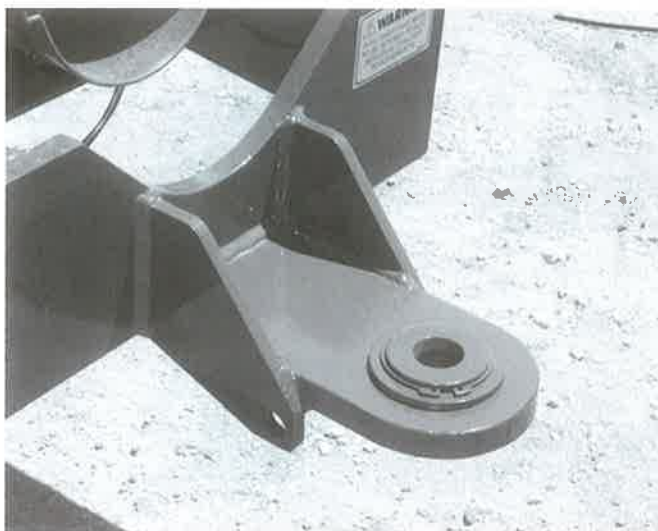
Part Number when ordering kits are as follows

**MK-121
MK-160
MK-160-2
MK-250**

| PART NO | RO121 PUMP & 1 1/2" FILTERS | RO160 PUMP & 1 1/2" FILTERS | RO160 PUMP & 2" FILTERS | RO250 PUMP & 2" FILTERS |
|----------------|--|--|--|--|
| KIT-121C | 1 | | | |
| KIT-160C | | 1 | 1 | |
| KIT-250C | | | | 1 |
| KIT-107CDC20 | 1 | 1 | 1 | 1 |
| 454-KIT | 1 | 1 | | |
| 454-2KIT | | | 1 | 1 |
| PK-AB8460-KIT | 1 | 1 | 1 | 1 |
| KIT-OR | 1 | 1 | 1 | 1 |
| G15 | 1 | 1 | 1 | 1 |
| JUG | 1 | 1 | 1 | 1 |



PRAIRIE TONGUE



The insert is internally tapered at the top and bottom to allow some pin movement.

The standard fitting will take a 32mm drawbar pin. On request an insert for 40mm and 50mm drawbar pins can be supplied.

Prairie drawbar tongue
(old style, bolt on)

Insert 32mm

Insert 40mm

Insert 50mm

Insert 55mm

PRTONG

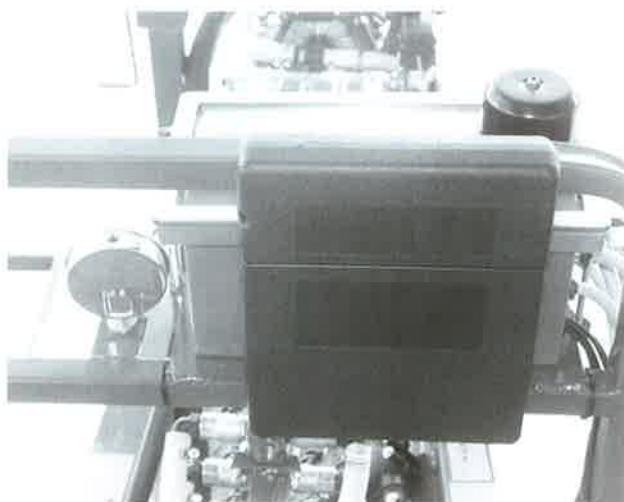
HDBB001MACH

HDBB002MACH

HDBB003MACH

HDBB004MACH

OPERATOR'S MANUAL CASE



Weather proof operators manual case mounted on the sprayer for the operator's convenience.

Operator's manual case 9000-0007



ELECTRICAL FITTINGS



**428-111
10049**

Side Lights
Side Light Lens,
amber



ST25B

Toggle On/Off
Switch
(Master & Boom
Switch)



9003-50B

Indicator/Brake
Tail Light



B48

Connector Flat Twelve
Pole Socket



P304/10

Battery Clamps



B47

Connector Flat Twelve
Pole Plug



YC513B

Fuse (10A) &
Fuse Holder



5197B

7-Pin Trailer Plug
(Foam marker &
Tail lights) Controls



5586 Toggle On/Off/On Switch
(Foam marker control)

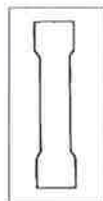


B37B

7-Pin Trailer Socket
(Foam marker) Controls



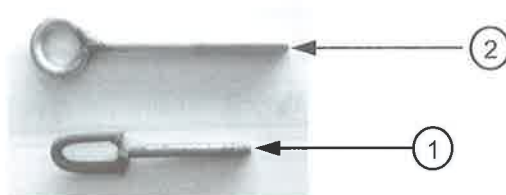
55065-02 Toggle On/Off/On
Momentary Switch
Spring loaded
(Pressure Control)



4601 Joiner to suit 4mm wire



EYE BOLTS

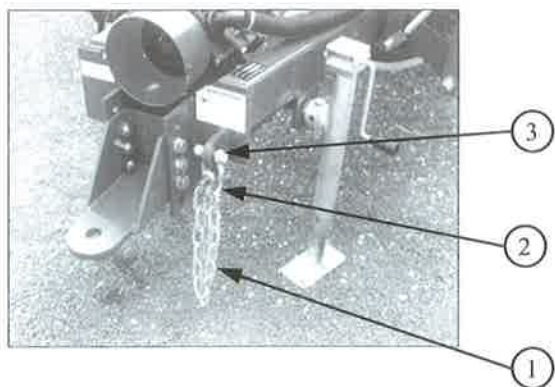


| POSITION NO. | DESCRIPTION | SIZE | PART NO. |
|--------------|---------------------------|--------------|----------|
| 1 | Delta boom yaw spring 24M | 12mm x 170mm | EYE150D |
| 2 | Trailing boom | 16mm x 200mm | EYE200 |

SAFETY CHAIN AND SHACKLES

Road safety regulations require towed agricultural vehicles to be attached to the towing vehicle with a suitable safety chain.

GoldAcres Prairie tankers and Ground Glider booms are fitted with a 1 metre safety chain. This chain wraps around a suitable member of the towing vehicle and attaches back on itself by means of the 'D' shackle supplied. The chain is constructed from 10 tonne rated alloy links and the 'D' shackles are Grade 'S' alloy shackles developed in accordance with AS2741 - 1992.



| POS. NO. | PART NO. | DESCRIPTION |
|----------|------------------|--------------------------------------|
| 1 | 46194Y | 9mm G80 Alloy Long Link Safety Chain |
| 2 | 130150516 | 13mm Gal Alloy Bow Shackle |
| 3 | 13017041 | 13mm Gal Alloy Safety Bow Shackle |



HOSE

| PART NUMBER | DESCRIPTION |
|-------------|--|
| HOS7P | 7mm Pressure - Yellow (work pressure 250 psi) |
| HOS10P | 10mm Pressure - Yellow (work pressure 250 psi) |
| HOS13P | 13mm Pressure - Yellow (work pressure 250 psi) |
| HOS20P | 20mm Pressure - Yellow (work pressure 250 psi) |
| HOS25P | 25mm Pressure - Yellow (work pressure 250 psi) |
| HOS32P | 32mm Pressure - Yellow (work pressure 230 psi) |
| HOS25S | 25mm Suction Hose (wire reinforced) |
| HOS32S | 32mm Suction Hose (wire reinforced) |
| HOS38S | 38mm Suction Hose (wire reinforced) |
| HOS51S | 51mm Suction Hose (wire reinforced) |
| HOS25PVC | 25mm ribbed PVC black hose |
| HOS40PVC | 40mm ribbed PVC black hose |
| HOS50PVC | 50mm ribbed PVC black hose |
| HOS32LAY | 32mm layflat hose |
| HOS40LAY | 40mm layflat hose |
| HOS50LAY | 50mm layflat hose |
| HOS12SIGHT | 12mm Sight Tube - Clear |
| HOS12WSIGHT | 12mm Wire reinforced sight Tube - Clear |
| E1000-02BL | 1/8" Hydrostatic Tubing - Black |
| E8MP-06 | 6mm Hydrostatic Tubing - Black |
| E1000-8BL | 11mm Nylon Tubing |
| T14A | 6mm Hydraulic |
| T18 | 13mm Hydraulic |
| T112 | 20mm Hydraulic |
| T28 | 13mm Hydraulic (Double Braid) |
| HOS112 | 4 1/2" TPR - Black |
| HOS125 | 5" TPR - Black |
| HOS127W | 127mm Standard water rubber hose wire reinforced (used on Directors) |



WORM DRIVE CLAMPS



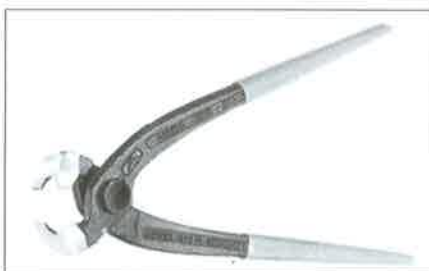
| PART NUMBER | SIZE (mm) | TO SUIT HOSE: |
|-------------|-----------|---------------|
| MH004B | 6-16 | 6mm |
| HS006B | 8-22 | 13mm |
| HS008B | 11-25 | 20mm |
| HS016B | 17-38 | 25mm |
| HS024B | 27-51 | 32mm |
| HS028B | 33-57 | 38mm |
| HS032B | 40-64 | 50mm |
| HS088B | 52-152 | |

OETIKER 2-EAR CLAMPS



The one piece design of the Oetiker 2-ear clamp offers a positive, tamper-proof seal without damage to the hose. They assure adequate closure and compensate for tolerance variations in hose sizes. Closing both ears builds strength into the clamp in a spring-like action to hold against pressure, vibration and hose shrinkage due to temperature changes or aging.

10100029 To suit 1/2" hose



This dual purpose, side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose.

1099-I Side Jaw Pincers



SIDE WIND PARKING JACK



Side wind parking jack **LT3153**

SIDE WIND EXTENDABLE PARKING JACK (for larger sprayers)



Extendable parking jack **DG7063SFC**
(please state sprayer size when
ordering jack)

GOLDACRES PAINT



400g Pressure pack
Enamel green paint

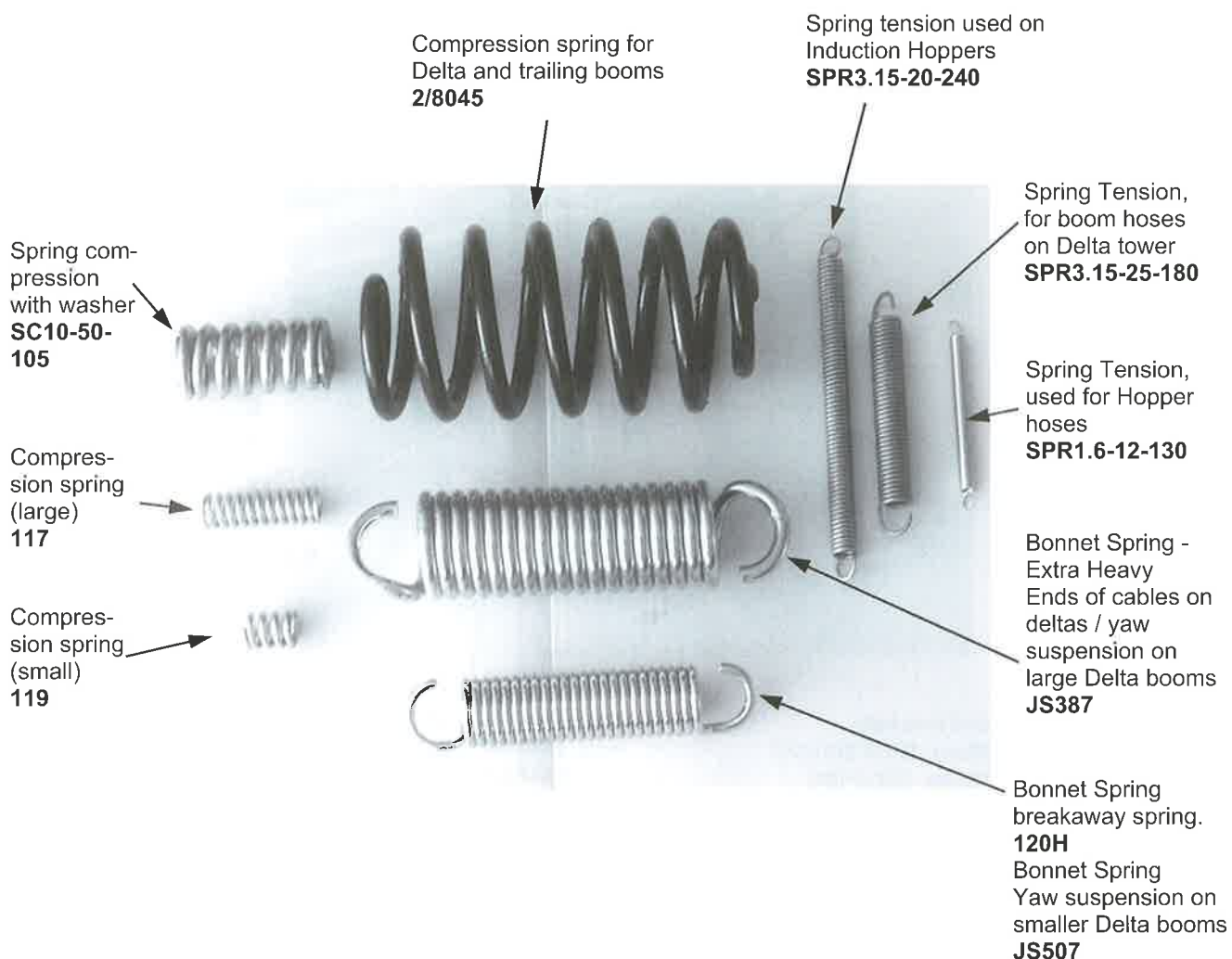
REGRNGG13

Enamel Green Paint
Per Litre

REGRNG777



SPRINGS



| PART NO. | DESCRIPTION | SIZE | TO SUIT: |
|-----------------------|--------------------------------|-----------------|------------------------|
| 2-8045 | Spring Compression | 300 x 130 x 16 | Delta & Trailing Booms |
| JS387 | Bonnet Spring - Extra Heavy | 340 x 70 x 12 | Large Delta Booms |
| SC10-50-105 | Spring Compression with Washer | 110 x 50 x 10 | Cam Plate Booms |
| 120H | Bonnet Spring | 260 x 40 x 7 | Delta & Trailing Booms |
| JS507 | Bonnet Spring | 180 x 51.5 x 8 | Smaller Delta booms |
| 117 | Compression Spring (Large) | 85 x 25 x 4 | Cam Plate Booms |
| 119 | Compression Spring (Small) | 35 x 25 x 4.5 | Cam Plate Booms |
| SPR3.15-20-240 | Spring Tension | 240 x 20 x 3.15 | Hopper Bracket |
| SPR3.15-25-180 | Spring Tension | 180 x 25 x 3.15 | Lightweight Booms |
| SPR1.6-12-130 | Spring Tension | 130 x 12 x 1.6 | Hopper Hoses Spring |



MUDGUARDS & MUDFLAPS

The mudguards fitted to GoldAcres sprayers are made from 3mm rolled aluminium and come in sizes of 500mm wide and 600mm wide. The mudguards come in a kit including brackets and mud flaps. Poly mudguards are also available and come in sizes 400mm, 470mm, 500mm, & 800mm wide.

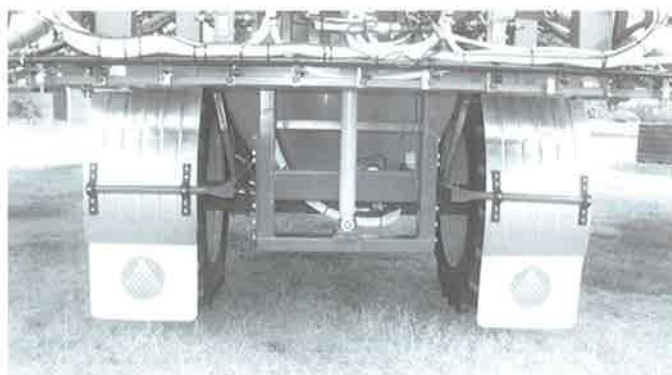


Mudguard inc. frame
MUD-38
(please state 500mm or 600mm wide)

Mudguard frame
MUD-F
(please state size of sprayer & if airbag fitted)

Mudguard brackets
Suit 600mm BK-P300BK1
Suit 500mm BK-P180

Mudflaps (standard 600mm wide)
GAFLAP



Poly mudguards & brackets

| | |
|-------------------|---|
| GA-MG400 | 400mm poly guard suit 14.9 x 38 & 16.9 x 34 wheels |
| GA-MG470 | 470mm poly guard suit 18.4 x 38 & 20.8 x 38 wheels |
| GA-MG500 | 500mm poly guard suit 24.5 x 32 wheels |
| GA-MG800 | 800mm poly guard suit 30.5 x 32 wheels |
| MUD-38PBRK | Poly mudguard plated bracket |
| MUD-38P | Complete poly mudguard kit inc brackets. (please state wheel size when ordering). |



SPRAYING ACCESSORIES

TeeJet® Calibration/Adjustment Accessories**Water and Oil Sensitive Paper**

These specially coated papers are used for evaluating spray distributions, swath widths, droplet densities and penetration of spray.

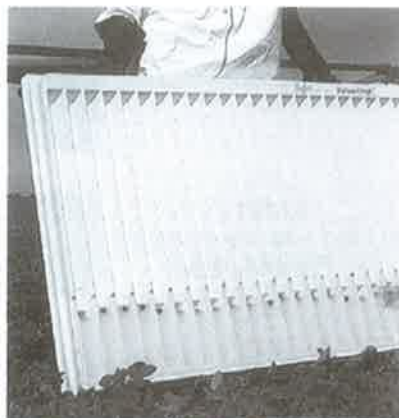
Water Sensitive Paper

20301-1N – 50 cards, 76 mm x 26 mm
20301-2N – 50 cards, 76 mm x 52 mm
20301-3N – 25 strips, 500 mm x 26 mm

Oil Sensitive Paper

20302-1 – 50 cards, 76 mm x 52 mm
20302-2 – 50 cards, 52 mm x 10 m
20302-3 – 25 strips, 10 mm x 26 mm

Water and oil sensitive paper sold by Spraying Systems Co. is manufactured by Novartis Corporation.

**TeeJet Tip Tester 37670****TeeJet Pattern Check 37685****McKenzie Tip Tester 429000****TeeJet Tip Cleaning Brush
CP20016-NY****TeeJet
Wind Meter
38560****TeeJet
Calibration
Container
CP24034-PP**



GOLDACRES STICKERS

GA001

Left hand side near jack stand,
placed between the 'U' bolts



GA013

On rear of centre section



GA003

Left hand side, top of chassis.



GA032

On air filter at foam compressor
box, and air bag compressor box if
fitted.

CLEAN AIR FILTER DAILY

GA004

Right hand side, top of chassis
rail. **PRAIRIE ONLY**



GA039

On boom stopper bar



GA064

Right hand side, top of chassis
rail. **ROWCROP AND
DIRECTOR ONLY**



GA040

On wing rest



GA005

Top of pump cover.



GA041

On wing rest



GA006

On both wheels



GA042

Near drain tap on chassis



GA007

On 'T' bar on rear of tower,
only if hydraulic boom is fitted.



GA045

On 'H' frame and 'T' bar on lift.



GA008

On or near pump.



GA047

On or near pump



GA009

On side of hopper.



GA058

On 10 litre flush tank



GA011

On right side top of chassis
near front.



GA060

Right side top of chassis near
air filters





GOLDACRES STICKERS

GA059

Special - Left top of chassis near suction filter.
Prairie – Inside floor of locker.

**GA061**

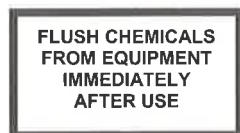
Special - On front of tank, high enough to be visible when standing on the platform.
Prairie – Inside door of locker

**GA043**

Next to foam tank on bottle bracket.

**GA048**

Near chemical induction hopper, on the hopper bracket



On lift near mast rollers, both sides, if fitted.



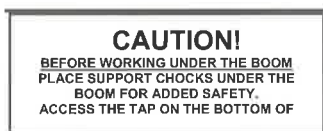
On chassis rail, above the top step, both sides.



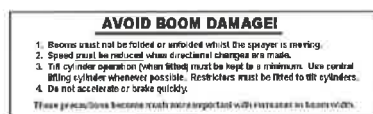
On tank rim facing upwards so that the sticker is against the tank lid.



On mast near bottom of lift cylinder, if hydraulic lift is fitted.

**GA086**

Inside door of the locker





TROUBLESHOOTING

Useful formulas for calculating application rates.

Glossary:

| | |
|---------|---|
| L/min = | Litres per minute. |
| L/ha = | Litres per hectare. |
| Km/h = | Kilometres per hour. |
| W = | <ul style="list-style-type: none"> - Nozzle spacing (in cms) for broadcast spraying. - Spray width (in cms) for single nozzles, band spraying or boomless spraying. - Row spacing (in cms) divided by the number of nozzles per row for directed spraying. |
| M = | Metres of distance |

$$\text{L/min (per nozzle)} = \frac{\text{L/ha} \times \text{Km/h} \times \text{W}}{60,000}$$

$$\text{L/ha} = \frac{60,000 \times \text{L/min (per nozzle)}}{\text{Km/h} \times \text{W}}$$

$$\text{KPH} = \frac{\text{M} \times 3.6}{\text{Time (seconds)}}$$



TROUBLESHOOTING

PLUMBING SYSTEM:

“MY SOLENOIDS FAIL TO OPEN”

- There may be a power supply failure –
- Solenoids need at least 12 volts in order to operate satisfactorily.
- Check all wiring and connections to ensure that there is 12 volts at the solenoids.
- The system pressure may be greater than 110 psi.
- Reduce the system pressure.

“MY SOLENOIDS FAIL TO CLOSE”

- Diaphragm damaged – replace diaphragm with a new seal kit.
- Foreign object blocking plunger from seating – clean inside solenoid.

“MY BALL VALVES ARE CRACKED”

- Water frozen (best if ball valves are left open when there is any chance of frost).

DIAPHRAGM PUMPS:

“MY PRESSURE AND FLOW RATE ARE TOO LOW”

- Check pressure side for excessive bypass:

Base model plumbing:

- Verify console calibration settings.
- Look in tank to see if there is much bypass coming back into the tank from either the pressure relief valve at the front of the tank, or the control valve at the rear of the tank.
- Close the ball valve labeled “bypass line” and see if the pressure on the pump gauge rises. If it does then there is something wrong with the control valve.
- Check the pressure relief valve setting.
- Restrict the hose coming off the relief valve going back to the tank (i.e. with multi grips) and see if pressure on gauge rises.
- Measure the flow per minute out of the nozzles and check with nozzle chart pressure for the corresponding flow.

2TS model plumbing:

- Verify console calibration settings.
- Look in tank to see if there is much bypass coming back into the tank from either the pressure relief valve at the front of the tank, or the bypass line at the rear of the tank.
- Check that the fast close valve is rotating to full bypass when the boom valves are switched off. If the valve is not rotating, then the problem is with the valve or associated wiring.

Check suction side for restriction:

- Clean suction filter strainer.
- Check suction line and tank sump for blockages.
- Check suction line for air leaks. (i.e. tighten nuts, hose clamps)



TROUBLESHOOTING

Check Pump:

- Check pump speed.
- Check oil for colour change to see if diaphragms are damaged. Diaphragms will need to be replaced if oil is milky.

Check valves in pump.

“MY PRESSURE AND FLOW RATE ARE TOO HIGH”

- Verify console calibration settings.
- Check restriction in bypass line. (make sure the ball valve in front of the control valve is open)
- Check pump speed is not too fast.

“THE PRESSURE ON MY GAUGE IS HIGHER THAN THE NOZZLE FLOW INDICATES”

- Check and clean all pressure and nozzle filters.
- There is always a pressure loss when flow goes through hose and components (such as filters, solenoids, etc). The pressure at the nozzle tip is what the nozzle chart pressure is referring to. The pressure on the gauge is the pressure at the nozzle tip plus the pressure that is lost between the pressure gauge and the nozzle. The pressure at the nozzle tip can be measured by measuring in one minute the amount of flow coming out of the nozzle and checking this with the nozzle flow chart. The pressure loss in the system increases as the flow rates increase.

The diaphragms within the solenoids may have swollen causing restrictions, and thus may require replacement solenoid kits.

“MY FLOW RATE IS CORRECT BUT MY PRESSURE IS TOO LOW”

Check nozzle chart for correct nozzle size.

“MY FLOW RATE IS CORRECT BUT MY PRESSURE IS TOO HIGH”

- Check nozzle chart for correct nozzle size.
- Check and clean all pressure and nozzle filters.

“MY PRESSURE IS CORRECT BUT MY FLOW RATE IS TOO LOW”

- Check nozzle chart for correct nozzle size.
- Check and clean all pressure and nozzle filters.

“MY PRESSURE IS FLUCTUATING”

- Check suction side for air leaks. (pump sucking air)
- Check the pump speed is between 400 and 540 RPM.
- Check valves in pump.



TROUBLESHOOTING

“MY PRESSURE IS PULSATING”

- Reset the air damper chamber pressure.
- Check the air damper chamber diaphragm.
- Check pump speed. (Should be between 400 and 540 RPM).
- Check suction side for air leaks. (pump sucking air)

“MY TANK IS NOT EMPTYING COMPLETELY”

- Reduce pump speed to minimize foaming in tank and prevent a vortex from occurring.

“MY PUMP OIL IS CHANGING COLOUR, IT’S BECOMING MILKY”

STOP SPRAYING IMMEDIATELY

- Diaphragms damaged and all will need to be replaced.

“MY PUMP OIL IS CHANGING COLOUR, IT’S BECOMING BLACK OR DARK GREY”

STOP SPRAYING IMMEDIATELY

- The Pump is overheating:
- Check the pump speed. (must not be greater than 540 RPM)
- Check PTO shaft lubrication.

“MY PUMP IS NOISY”

- Check pump oil level.
- Reset the air damper chamber pressure.
- Check whether the PTO shaft is suitably lubricated.
- Check suction line for air leaks. (pump sucking air)
- Check suction line for restrictions.
- Check pump valves.
- Check pump bearings.

“MY PUMP HOUSING OR MOUNTINGS ARE CRACKED”

- Check PTO shaft length and lubrication.
- Check for ice in the pump, particularly if the sprayer has been parked in an environment where it may have been subjected to sub-zero temperatures or frosts.

“MY UNIVERSAL JOINTS ARE DAMAGED”

- The PTO shaft is too long.
- The PTO shaft is not adequately lubricated.

“MY PTO SHAFT IS BENT OR IS VIBRATING EXCESSIVELY”

- The PTO shaft is too short.



TROUBLESHOOTING

FLOWMETERS AND RAVEN

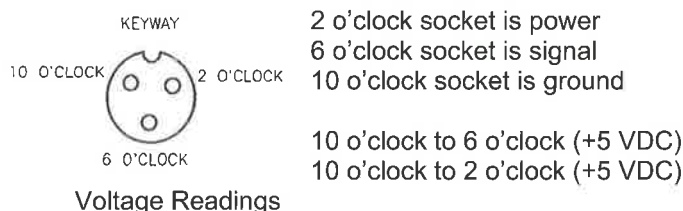
“MY APPLICATION RATE IS INACCURATE, UNSTABLE OR ZERO”

1. Check the application rate by performing a jug test over a representative number of jets across the boom width.
2. Check that the console is correctly programmed by ensuring that the correct values have been entered. Record these numbers in the console.
3. When spraying, press speed and see if the speed is unstable or zero.
4. When spraying, press volume and see if the volume is erratic or not changing.
5. When spraying, place flow control switch into manual and use the Inc/Dec switch to see if the rate (and pressure) can be adjusted.
6. Check the length of the fill hose inside the tank. Some chemicals can cause this hose to increase in length, causing it to foul on the suction outlet in the sump. Shorten the hose so that it sits 150mm clear of the bottom of the tank.

“MY SPEED SENSOR DISPLAY IS INACCURATE, UNSTABLE OR ZERO”

1. Check Speed Cal No.
2. Clean and check all pins and sockets on speed sensor cable connectors.
3. Make sure magnets are on wheel (red followed by black) and that the magnets pass by the centre of the sensor and have between 6 to 20mm clearance.
4. Perform the following procedure to test speed sensor cables at the back of the console and at the cable breakaway (at front of sprayer). This test will determine if one of the cable sections is faulty or if the speed sensor itself is at fault.

“I NEED TO TEST MY SPEED SENSOR CABLES”



1. Change Speed Cal Number to 1000 in [SPEED CAL] key
2. Press [DISTANCE] key
3. With a jumper wire (or paper clip or screwdriver), short between 6 o'clock and 10 o'clock sockets with a “short – no short” motion. Each time contact is made, the [DISTANCE] total should increment up 1 or more counts
4. If distance does not count up, perform test at the next connector closer to the console. If this next test works, the previous section of cable must be faulty and should be replaced
5. Perform above voltage checks
6. Change Speed Cal Number back to previous number.

Note: Speed sensor is not repairable and will need to be replaced if faulty.

“MY SPEED SENSOR HAS FAILED”

NOTE: If a relatively constant ground speed is indicated on the console, then the problem is with the sensor, magnets, or cable, but not the console.

If the speed sensor fails, the following procedures should be adhered to:



TROUBLESHOOTING

- Enter a self-test speed that is the same as the ground speed that you can manually maintain. The console should then give an application rate for that simulated ground speed.

OR

If a reasonably constant ground speed can not be maintained, or the console unable to perform a self-test, then:

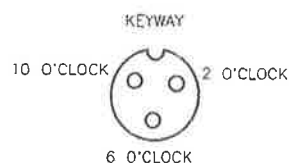
- Adjust the spraying pressure by switching the flow control into manual and using the Inc-Dec switch to adjust to the desired pressure as shown by the pressure gauge on the sprayer.
- Drive the sprayer at the constant speed (as measured by the tractor) in order to apply the required application volume as determined by the nozzle selection chart.

The sprayer should then be operated so as to empty the tank. Once the sprayer is empty of chemical, partially fill the tank with fresh water (no chemical) so that test can be performed in order to correct the problem. Repair or replace the speed sensor as soon as possible.

“MY VOLUME DISPLAY IS INACCURATE, UNSTABLE, ZERO OR NOT CHANGING”

1. Check Meter Cal No.
2. Clean and check all pins and sockets on Flowmeter sensor cable connectors.
3. Make sure the Flowmeter is pointing in the correct direction for flow.
4. Perform the following procedure to test Flowmeter sensor cables at the cable breakaway (at front of sprayer) and at the Flowmeter. This test will determine if one of the cable sections is faulty or if the Flowmeter itself is at fault.

“I NEED TO TEST MY FLOWMETER CABLES”



2 o'clock socket is ground
6 o'clock socket is signal
10 o'clock socket is power

2 o'clock to 6 o'clock (+5 VDC)
2 o'clock to 10 o'clock (+5 VDC)

Voltage Readings

1. Change Meter Cal Number to 1 in [METER CAL] key
2. Press [TOTAL VOLUME] key and place boom switches ON
3. With a jumper wire (or paper clip or screwdriver), short between 2 o'clock and 6 o'clock sockets with a “short – no short” motion. Each time contact is made, the [TOTAL VOLUME] total should increment up 1 or more counts
4. If total volume does not count up, perform test at the next connector closer to the console. If this next test works, the previous section of cable must be faulty and should be replaced
5. Perform above voltage checks
6. Change Meter Cal Number back to previous number.

If the Flowmeter appears to be not working, take the Flowmeter apart.

- The Flowmeter turbine and turbine hub should be cleaned of all foreign material (such as metal filings and wettable powders which may have hardened in the plastic and metal parts).
- Check for worn turbine blades, scoring on the turbine shaft and damaged bearings so that the turbine spins freely when assembled correctly.
- Check the general condition of the Flowmeter when inserting it back onto the sprayer.
- If there is still no signal from the Flowmeter, the Flowmeter may need to be replaced.



TROUBLESHOOTING

“MY FLOWMETER HAS FAILED”

If the Flowmeter fails to give accurate readings, the following procedures should occur:

- Adjust the spraying pressure by putting the flow control switch into manual and using the Inc-Dec switch to adjust to the desired pressure as shown by the pressure gauge on the sprayer.
- Drive the sprayer at a constant speed (as measured by the tractor) in order to apply the required application volume as determined by the nozzle selection chart.

The sprayer should then be operated to empty the tank. Once the sprayer is empty of chemical, partially fill the tank with fresh water (no chemical) so that test can be performed in order to correct the problem. Repair or replace the Flowmeter as soon as possible.

“I CANNOT ALTER MY APPLICATION RATE OR PRESSURE”

1. Perform a self-test and put the flow control switch into manual, turn a boom section on and use the Inc/Dec switch to see if the rate can be adjusted (if the rate cannot be altered, control valve is not altering the amount of flow back to the tank).
2. Check the green and yellow wiring to the control valve and the connectors.
3. **Make sure the yellow wire is swapped over to the green wire and the green wire is swapped over to the yellow wire near the control valve for base model sprayers.**
4. Check that there is 12 volts reaching the control valve (check at the console side of the breakaway connector and where the wires are swapped over). To do this, have the flow control switch in manual and the Inc/Dec going up and down. See if the motor is going and that the butterfly is going around. The hose and hose barb elbow fitting will have to be removed in order to do this.
5. **For sprayers fitted with 2TS plumbing, there is an additional positive (red) and negative (black) wire running to the valve. These additional wires should display constant twelve volts. The yellow and green wires running to the valve must remain in the yellow and green sequence (i.e. not swapped) with 5 volts power being displayed when the inc/dec switch is operated with the rate switch placed into the manual position.**

“MY CONTROL VALVE HAS FAILED”

If the control valve does not respond to the console to alter the amount of flow going back to the tank, then:

For sprayers fitted with base model plumbing:

- Close the Bypass Line ball valve in front of the control valve.
- Adjust the ball valve in front of the electric control valve until the desired spraying pressure is shown by the pressure gauge on the sprayer. If the desired spraying pressure is not able to be achieved with the ball valve, adjust the pressure relief valve setting to achieve the desired pressure.
- Drive the sprayer at a constant speed (as measured by the tractor) in order to apply the required application volume as determined by the nozzle selection chart.

For sprayers fitted with 2TS plumbing:

- Remove the motor from the 3 way tap (exposing the drive shaft) and manually turn the tap to achieve the desired spraying pressure.

The sprayer should then be operated to empty the tank. Once the sprayer is empty of chemical, partially fill the tank with fresh water (no chemical) so that test can be performed in order to correct the problem. Repair or replace the control valve as soon as possible.



TROUBLESHOOTING

“I NEED TO TEST MY CONSOLE”

If there is a problem with the console, the following power check procedure should be performed. Otherwise the console may need servicing by the appropriate GoldAcres representative.

To check the power to the console:

1. Check that the red wire is connected to the positive and the white wire to the negative terminal of a 12 volt DC supply.
2. Make sure the battery connections are clean.
3. Check to ensure the fuse at the back of the console is not blown.
4. With a multi-meter, check the voltage potential across pins 1 and 16 on the 16-pin plug going into the console (should be at least 12 volts).

“MY CONSOLE HAS FAILED”

If a relatively constant ground speed is indicated on the console, then the problem is with the sensor, magnets, or cable, but not the console.

If the Raven console fails so that it is not able to control the solenoids, and control valve, the following procedures should be adhered to:

1. Disconnect console from console cable.
2. Disconnect console cable from power source (i.e. battery).
3. Remove the plunger and spring from the solenoids. (This will open the solenoids)
4. To start and stop spraying through the nozzles, start and stop the pump. **(Care should be taken because there is no agitation while the nozzles are not spraying)**

For base model sprayers:

- Adjust the manual pressure relief valve to alter the spraying pressure to the desired pressure as shown by the pressure gauge on the sprayer. If the desired spraying pressure is not able to be achieved, alter the pressure relief valve setting so as to achieve the desired pressure (i.e. alter the adjusting stem).

For sprayers fitted with 2TS:

- Remove electric motor from three way fast close valve, and manually rotate valve until desired spraying pressure is achieved.
- Drive the sprayer at a constant speed (as measured by the tractor) in order to apply the required application volume as determined by the nozzle selection chart.

The sprayer should then be able to be operated in order to empty the tank. Once the sprayer is empty of chemical, partially fill the tank with fresh water (no chemical) so that testing can be performed in order to correct the problem. Repair or replace the console as soon as possible.



TROUBLESHOOTING

CHEMICAL PROBE & TRANSCAL

“MY TRANSCAL IS NOT WORKING OR IS WORKING TOO SLOWLY.”

To successfully draw a viscous chemical from a container, measure the liquid, and transfer to sprayer height is a task which requires all equipment, hoses and fittings to be in perfectly air tight condition. All equipment must be kept clean, free of chemical and dirt, or seals will not be efficient and the system will not function.

There are 2 main areas to be checked if a Transcal system is not working or is operating too slowly.

- The water speed flowing through the orange venturi is critical to its ability to create a vacuum. Normally a pressure in the ½ " line to the venturi of 100 PSI (7 bar) will provide sufficient flow velocity to function properly, but if the supply line is kinked or blocked the flow (velocity) can be restricted even though the pressure appears to correct. It must transfer at least 20 litres of water from ground level in 60 seconds or adjustments are required. This figure is tested by GoldAcres prior to despatch.
- Air leaks in the system at any suction point will cause system failures.

To isolate the area of possible air leak:

Step 1.

First check the operation of the chemical probe only. That is by-pass the Transcal tank. If this will transfer water at a minimum of 30lt/min then this part of the system is okay. If not check for air leaks at:

- Cam lever fitting at the probe.
- Hose fittings.
- Venturi – the venturi can suck air (less vacuum) where the black drop-pipe connects to the orange venturi.
- The venturi may also suck air where the 'lay flat' hose joins the bottom of the black PVC drop pipe.

Step 2.

Check Transcal tank. If the probe is working successfully but the Transcal tank system won't work then the air leak areas to check are:

- The Tank lid. This lid may tighten against the metal bracket above the tank and not the tank itself. Also the top of the tank needs to be clean and smooth for the lid to seal. Also check the lid for cracks and condition of the seal.
- Fitting at the base of the Transcal tank.
- Any hoses and connectors.





TROUBLESHOOTING

Step 3.

If probe works correctly and Transcal tank works correctly when using suction probe but envirodrum will not operate, check for air leaks in envirodrum fitting (this must be thoroughly cleaned after each use) and check interior pipes in the envirodrum for air leaks or damage.

IN SUMMARY:

First - Check the flow of water into venturi.

Then - Step 1. Check the probe only.
Step 2. Check the probe and Transcal
Step 3. Check Transcal and envirodrum section.

- Tests must be done with water because the speed of the transfer is affected by the increased viscosity of the chemical.
- The old foot valve at the bottom of the drop pipe caused some problems, and this has been replaced by 'lay flat' tube on all new sprayers. GoldAcres can supply a service kit to retro-fit old sprayers to the new 'lay flat' tube.
- When fitting layflat do not distort the drop pipe when tightening clamp or an air leak can develop. It will not be possible to fit the backnut to the venturi when layflat is fitted.
Do not remove drop pipe from venturi except for resealing.

“MY SIGHT TUBE IS NOT GIVING A TRUE INDICATION OF LIQUID LEVEL.”

Ensure that the tap on the probe or Envirodrum coupler is turned off before using the sight tube for evaluating liquid level.

CHEMICAL INDUCTION HOPPER

“I NEED TO CONDUCT A PERFORMANCE TEST ON MY INDUCTION HOPPER”

With a 121 litres per minute pump running at approximately 400 kPa, the induction hopper should transfer water at a minimum rate of 50 litres per minute.

If the induction hopper is not performing satisfactorily, check:

- The pressure as displayed on the sprayer pressure gauge should be at least 400 kPa.
- Air leaks to make sure fittings are screwed tightly and hoses are in good condition and that cam lever fittings have gaskets in place.

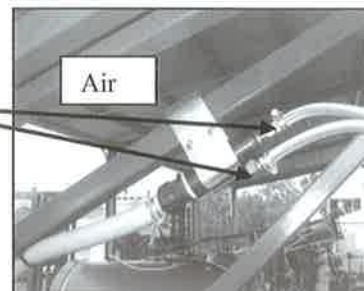


TROUBLESHOOTING

FOAM MARKER

“I HAVE INSUFFICIENT OR POOR QUALITY FOAM ON ONLY ONE SIDE”

- Compare the flow coming out both the air and liquid lines for both sides to determine whether the solenoids are working properly.
- Swap the foam generators over to see if the poor foam is dependent on the foam generator or not.
- If air is coming out of both sides, clean the air diverter solenoid.



“I HAVE INSUFFICIENT OR POOR QUALITY FOAM”

CONDUCT A PERFORMANCE TEST FOR AN EXACTA FOAM MARKER:

You should fill a 20 litre bucket up with foam in approximately 1 minute at a mixing rate of 1 to 50. You will need to add 200 ml of GoldAcres concentrate to 10 litres of clean, soft water.

If the **Standard Foam Marker** is not performing to near this rate or the foam is of a poor quality check the following possible causes:

- Incorrect concentrate rate – drain and add new mix at correct rate (use clean, soft water and GoldAcres concentrate).
- Dirty or hard water used – drain and add new mix at correct rate (use clean, soft water and GoldAcres concentrate).
- Stale foam concentrate – drain and add new mix at correct rate (use clean, soft water and GoldAcres concentrate).
- Foam mixture not sufficiently mixed – stir mixture in tank or replace mixture with pre-stirred mixture.
- Insufficient power to compressor/diverter unit – check power supply (should be minimum 12 volts) to solenoids and all connections.
- Compressor failing to produce sufficient air – check and/or replace compressor flapper valves and clean compressor filter.
- Air or water hose blocked – check all hoses or kinks and blockages.

For **Exacta Foam Markers**:

- Filter under foam tank blocked – clean filter screen.
- Solenoids not opening or closing – check diaphragm and replace if necessary.
- Foam generator not performing – check and clean filter screen in foam generator.

For **Direct Injection Foam Markers**:

- Check that the needle valve settings are correct. Use the settings on Page 6.
- The tank contents may be contaminated. (either concentrate in the fresh water or fresh water in the concentrate tank) – flush and replace contents and check the one-way valves.



TROUBLESHOOTING

NOZZLES

"I HAVE A STREAKY PATTERN COMING OUT OF A NOZZLE"

Check for blockages by removing the nozzle and cleaning with compressed air.

WARNING:

DO NOT CLEAN THE NOZZLE BY BLOWING BY MOUTH!

Inspect the nozzle tip face and replace if damaged.

"I HAVE NO SPRAY COMING OUT OF A NOZZLE"

Check for blockages by removing the nozzle and cleaning with compressed air.

WARNING:

DO NOT CLEAN THE NOZZLE BY BLOWING BY MOUTH!



Remove the check valve and inspect for blockages.

BOOMS

"MY INNER AND OUTER BOOMS ARE NOT IN LINE WITH EACH OTHER WHEN I FOLD OUT MY BOOMS."

Refer to the Operator Manual section "BOOM CABLES" for information about adjusting the alignment of the inner and outer booms.

"MY BOOM APPEARS TO BE NOT RIDING SMOOTHLY UP AND DOWN, AND IT LOOKS LIKE ITS BINDING ON THE MAST ROLLERS."

Or;

"MY TOWER APPEARS TO HAVE GOUGE MARKS OR SCORING ON THE TOWER RAILS."

Refer to the Operator Manual section "ADJUSTMENT OF MAST ROLLERS" for information about adjusting the vertical movement of the boom on the tower.

"ONE OF MY BOOMS IS NOT FULLY FOLDED WHEN THE OTHER IS ALREADY ALL THE WAY IN."

Refer to the Operator Manual section on "RE-PHASING THE RAMS" to correct the phasing of the boom rams.

"MY BOOMS WILL NOT FULLY FOLD TO THE BOOM RESTS."

Refer to the Operator Manual section on "MAINTENANCE – DELTA BOOMS" for information about grease points on the booms.

A lack of lubrication on the boom-link rose ends will result in the boom refusing to fully fold.

"I CANNOT GET MY BOOMS LEVEL."

Ensure that the air bag suspension is level before attempting to level the booms.

Adjustment of the height of the outer boom can be made by using the adjustment thread located at the bottom of the hinge.



TROUBLESHOOTING

“MY BOOMS ARE SHOWING SIGNS OF BROKEN WELDS OR BENT COMPONENTS”

Booms must not be folded or unfolded while the sprayer is moving. When the boom is between fully open and fully closed, there can be large stresses placed on many boom components. If the sprayer is moving and hits a bump, severe damage to the boom can occur.

Speed must be reduced when directional changes are made. Although the outer sections of the booms are now made from aluminium to reduce inertial forces, there is still significant stress placed on springs and dampeners when turning. Sharp changes in direction can cause severe damage to the boom.

The use of tilt cylinders (when fitted) should be kept to a minimum, and restrictors to slow down the speed of their operation **must be used.** Tilt operation affects the balance of the boom causing a violent rocking of the whole boom assembly. When the tilted boom is returned to the level position, considerable stress is transferred along the boom section. Wherever possible the boom should be raised with the lifting cylinder rather than the tilt, providing a level and dampened change in boom height.

TANK, CHASSIS, WHEELS ETC

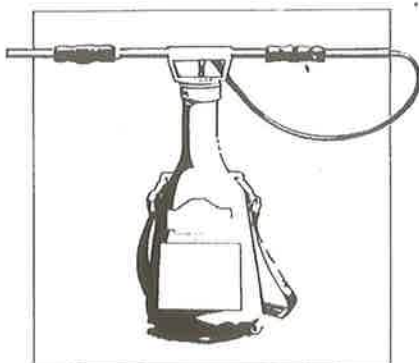
“THE DRAWBAR OF MY SPRAYER IS BENT UP OR DOWN”

- All GoldAcres drawbars are fitted with a replaceable, hardened insert, which is internally tapered at the top and bottom to allow some pin movement.
- Using a pin that is too large will reduce the amount of movement, particularly when the sprayer and the tractor are at different angles. This may happen when the sprayer is towed through a ditch, or into a field from a road.



BERTANI PRESSURE SPRAYERS

MODELS AVAILABLE:



Long neck pressure sprayer of
6 Lt capacity

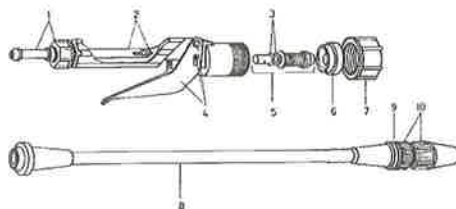
G6



Pressure sprayer of 8 Lt
capacity

P8

| PART NO | DESCRIPTION |
|---------|-------------------|
| 3403 | Belt assy |
| 3404 | Funnel P8 |
| 3405 | Valve |
| 3407 | OR 154 ring |
| 3406 | Plunger tube |
| 3417 | Plunger tube assy |
| 3812 | Packing |
| 3418 | Plunger guide |
| 5264 | Spring |
| 3412 | Handle assy |
| 3413 | Plunger |
| 3416 | Outlet tube P8 |
| 608 | Coupling assy |



| POS. NO | PART NO | DESCRIPTION |
|---------|---------|-------------------------|
| 1 | 609 | Coupling assy |
| 2 | 633 | Tube assy |
| 3 | 612 | OR 2015 ring |
| 4 | 629 | Lever assy |
| 5 | 632 | Piston assy |
| 6 | 617 | Stop disc |
| 7 | 621 | Lance clamp coupling |
| 8 | 620 | Extension 40cm |
| 9 | 415 | Gasket |
| 10 | 127 | Adjustable spray nozzle |



TECNOMA SPRAYERS

Tecnoma prepressurised sprayers are the perfect gardener's helper. With 8 & 16 litre capacity this versatile lightweight sprayer has a hundred different uses.

T8

T8 Effective capacity: 8Lt

- Total capacity: 11Lt
- Garden treatment
- Vegetable plots
- Ornamental trees, fruit trees, shrubs, hedges. Flower beds & rose bushes.
- Comes with a quality 40cm aluminium lance.



T16

- Total capacity: 16Lt
- Vegetable plots
- Orchards
- Ornamental trees, shrubs, hedges
- Fruit trees

Technical Features

- Large, filter-equipped opening for simple filling, draining and cleansing
- Left/right switchable pump lever ensures a comfort for left and right handers
- Ultra-strong 40cm fibreglass lance
- Supplied with pump handle ready-fitted.





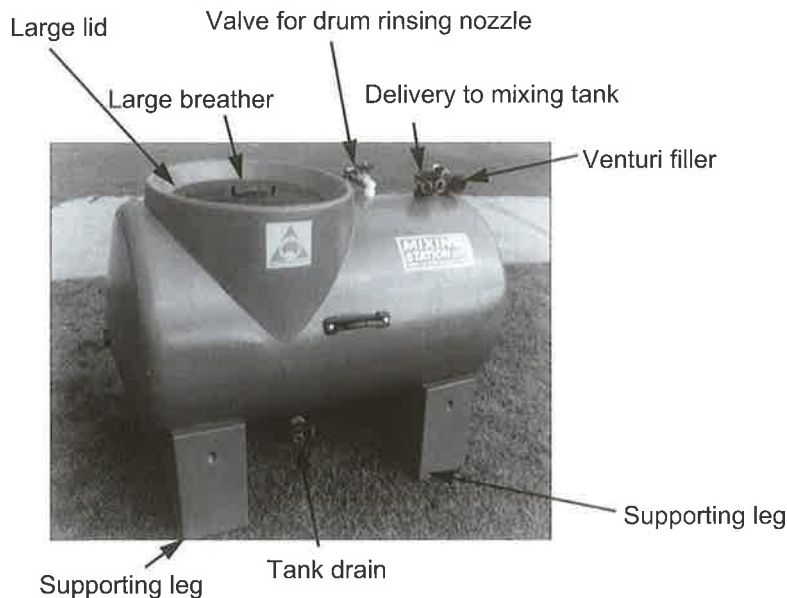
CHEMICAL MIXING TANK

400L free-standing tank on support legs.

When used with a fire fighting pump (not included) the chemical mixing tank can be used to:

1. Fill mixing tank from water supply.
2. Transfer chemicals from drum into mixing tank.
3. Rinse chemical drum.
4. Agitate chemicals in mixing tank.
5. Fill sprayer tank from water supply.
6. Transfer from mixing tank to sprayer

CHEMMT 400L Chemical mixing tank

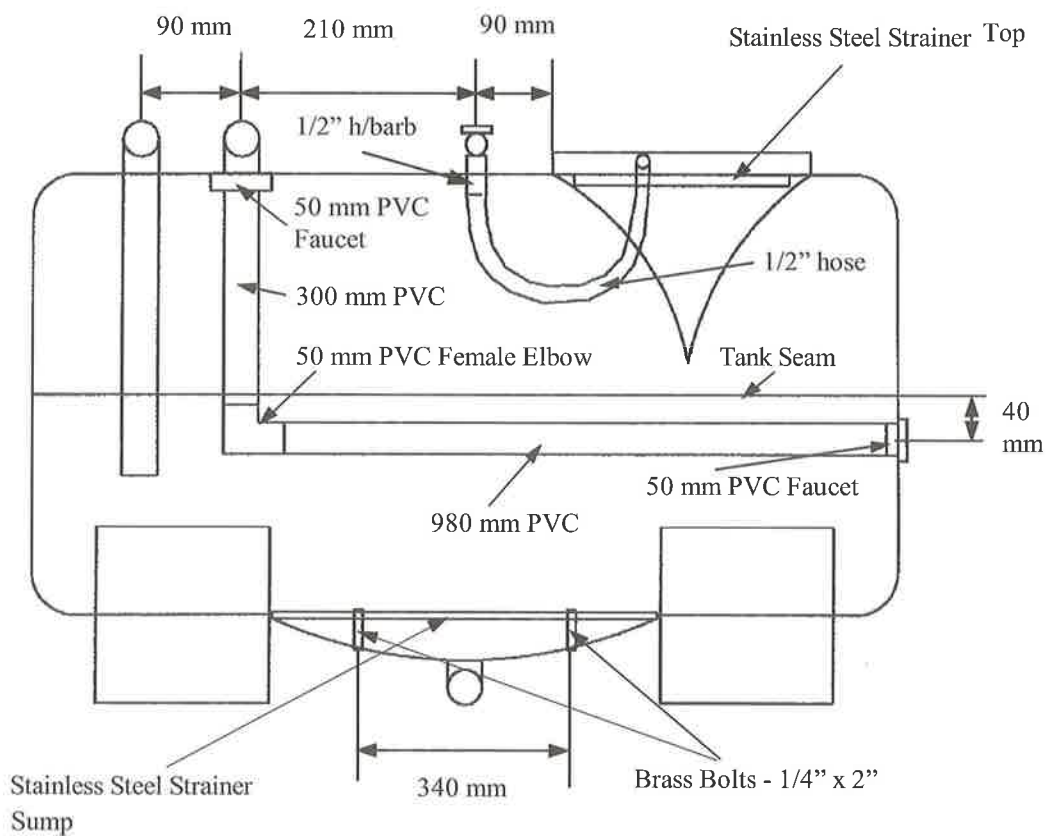
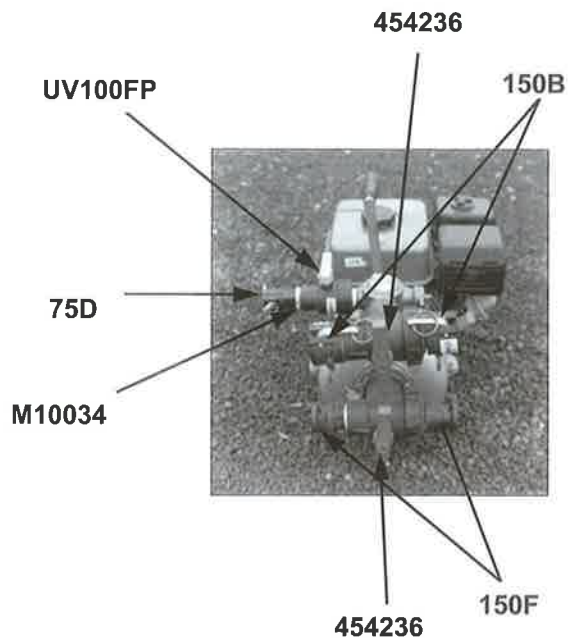


Components required for the mixing tank operation include:

- Mixing tank complete with supporting legs, lid, lid breather, stainless steel strainer, drum rinsing nozzle, venturi filler with 75A and 75CAP cam lever couplings, internal mixing tube, 75A and 75CAP cam lever couplings, internal mixing tube, 75A and 75CAP cam lever couplings with 1/2" tee ball valve, and 2 x 150F-90 and 150CAP cam lever couplings.
- 3-way ball valve with 2 x 150F and 150CAP cam lever couplings (pump suction).
- 3-way ball valve with 2 x 150B cam lever coupling (pump delivery).
- 1" ball valve and 75D cam lever coupling (pump delivery).
- Chemical probe and 3/4" lever handle ball valve with 25mm clear suction hose and coupling (chemical probe to venturi filler).
- 38mm vent hose with 150C cam lever coupling (water supply to pump suction).
- 38mm vent hose with 2 x 150C cam lever couplings (tank drain to pump suction).
- 38mm vent hose with 150C and 150E cam lever couplings (pump delivery to mixing tank).
- 38mm vent hose with 150C and 150E cam lever couplings (pump delivery to spray tanker).
- 13mm yellow pressure hose with 75C and 75E cam lever couplings (pump delivery to venturi filler or drum rinsing nozzle).



Drum Rinsing Nozzle Stainless Steel Strainer





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