

PARTS CATALOGUE

GOLDACRES TRADING, 1-3 NORTH WESTERN RD., ST ARNAUD, VICTORIA 3478.
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AUSTRALIA'S WORLD CLASS AG-SPRAYERS

GOLDACRES



DATE: MARCH 2001



AUSTRALIAN MADE

PRICE BOOK TERMS AND CONDITIONS

The Goods described in this price book are only available for purchase upon the terms and conditions set out below.

Interpretation

1. In these Price Book terms and conditions:
 - (1) "Goldacres" means Goldacres Trading Pty Ltd. A.C.N. 061 306 732 of 1-3 North Western Rd., St. Arnaud: trading as Goldacres Agricultural Equipment (its successors and assigns), which is the seller of the Goods;
 - (2) "Purchaser" means the purchaser of the Goods;
 - (3) "Goods" means the products and, if any, services sold or provided;
 - (4) nothing in these terms and conditions shall be read or applied so as to exclude, restrict or modify or have the effect of excluding, restricting or modifying any condition, warranty, guarantee, right or remedy implied by law (including the Trade Practices Act 1974) and which by law cannot be excluded, restricted or modified.

General

2. These terms and conditions (which shall only be waived in writing signed by Goldacres) shall prevail over all terms and conditions of the purchaser to the extent of any inconsistency.

Terms of Sale

3. The Goods and all other products sold and, if any, services sold or provided by Goldacres are sold or provided on the following terms and conditions.

Goldacres's quotations

4. Unless previously withdrawn, Goldacres's quotations are open for acceptance within the period stated therein or, when no period is so stated, within 14 days only after its date. Goldacres reserves the right to refuse any order based on any quotation within 7 days after the receipt of the order.

Packing

5. The cost of any special packing and packing materials used in relation to the Goods shall be at the purchaser's expense notwithstanding that such cost may have been omitted from any quotation.

Shortage

6. The purchaser waives any claim for shortage of any Goods delivered if a claim in respect thereof has not been lodged with Goldacres within seven (7) days from the date of receipt of Goods by the purchaser.

Specifications, etc; Catalogues, etc; Quantities

7. All specifications, (without limiting the generality of same - including: drawings, particulars of weights, volumes, capacities, dimensions, load factors) are approximate only and any deviation shall not be taken to vitiate any contract with Goldacres or form grounds for any claim against Goldacres. The descriptions, illustrations and performances contained in catalogues, price lists and other advertising matter do not form part of the contract of sale of the Goods. Where specifications, drawings or other particulars are supplied by purchaser, Goldacres's price is made on estimates of quantities required. Should there be any adjustments in quantities above or below the quantities estimated by Goldacres and set out in a quotation, then any such increase or decrease shall be adjusted on a unit rate basis according to unit prices set out herein.

Performance, Capacities, chemicals, liquids, application, application methods, environmental effects

8. Any performance, volumes, and/or capacity figures given by Goldacres are estimates only. Goldacres shall be under no liability for damages for failure to attain such figures unless specifically guaranteed in writing and any such written guarantee shall be subject to the recognised tolerances applicable to such figures. The suitability of chemicals and other liquids for any application and the application methods and the environmental effects shall be the sole decision and responsibility of the purchaser and the user of the Goods. Goldacres gives no warranty as to the suitability of any chemicals or other liquids for any application, nor the suitability of the Goods for any application, nor the application methods, nor the environmental effects which may result from the use of the Goods. Goldacres shall be under no liability for damages arising out of the use of any chemicals, liquids or mixtures in the Goods nor for any application, nor for the application methods nor for the environmental effects which may result from the use of the Goods.

Delivery/Service times

9. The delivery times and service times made known to the purchaser are estimates only and Goldacres shall not be liable for late delivery non-delivery or delay under no circumstances shall Goldacres be liable for any loss, damage or delay occasioned to the purchaser or its customers arising from late or non-delivery or late installation of the Goods.

Loss or damage in transit

10. Goldacres is not responsible for any loss or damage to Goods in transit. Goldacres shall render the purchaser such assistance as may be necessary to press claims on carriers provided the purchaser shall have notified Goldacres and the carriers in writing immediately loss or damage is discovered on receipt of Goods and shall lodge a claim on the carrier within three days of the date of receipt of the Goods.

Limit of liability

11. (1) Goldacres's liability for Goods manufactured by it is limited to making good any defects by repairing the same or at Goldacres's option by replacement, within a period not exceeding twelve calendar months after the Goods have been dispatched provided that:
 - (a) the defects have arisen solely from faulty materials or workmanship;
 - (b) the Goods have not received mistreatment, attention or interference;
 - (c) accessories of any kind used by the purchaser are manufactured by or approved by Goldacres;
 - (d) the seals of any kind on the Goods remain unbroken;
 - (e) there has been no improper adjustment, calibration or operation;
 - (f) the use of accessories including consumables, hardware or software (not manufactured by Goldacres) has been approved in writing by Goldacres;
 - (g) no contamination or leakage has been caused or induced;
 - (h) any modification of the Goods have been authorised in writing by Goldacres;
 - (i) there has been no inadequate or incorrect use, storage, handling or application of the Goods;
 - (j) there has been no use or operation of the Goods outside of the physical, electrical or environmental specifications of the Goods;
 - (k) there has been no inadequate or incorrect site preparations;
 - (l) there has been no inadequate or improper maintenance of the Goods;
 - (m) it has not been caused by fair wear and tear; and
 - (n) firstly, the Goods have been thoroughly inspected and any damage (from whatever cause) to the Goods (and in particular - the structure, welding, seams, bolts, booms) has been repaired prior to the goods being operated, used, driven or moved and on each occasion the tanks are filled; and
 - (o) there has been no failure to comply with the requirements of all present or future laws or regulations relating to the Goods and/or the use and/or operation of the Goods; and
 - (p) there has been no failure to maintain a record of hours of operation (which record shall contain full details of all inspections, repairs and maintenance) and produce same to Goldacres at the time of any warranty claim.
 - (2) If Goods or any part thereof are not manufactured by Goldacres the guarantee of the manufacturer thereof shall be accepted by the purchaser and is the only guarantee given to the purchaser in respect of the Goods or that part; specifically accepted by Goldacres in writing and in any event Goldacres's liability hereunder shall be strictly limited to the replacement of defective parts in accordance with paragraph 11 (1) of these conditions;
 - (3) Goldacres shall not be liable for and purchaser releases Goldacres from any claims in respect of faulty or defective design of any Goods supplied unless such design has been wholly prepared by Goldacres and the responsibility for any claim has been specifically accepted by Goldacres in writing and in any event Goldacres's liability hereunder shall be strictly limited to the replacement of defective parts in accordance with paragraph 11 (1) of these conditions;
 - (4) except as provided herein, all express and implied warranties, guarantees and conditions under statute or general law as to merchantability, description, quality, suitability or fitness of the Goods for any purpose or as to design, assembly, installation, materials or workmanship or otherwise are hereby expressly excluded and Goldacres shall not be liable for physical or financial injury, loss or damage or for consequential loss or damage of any kind arising out of the supply, layout, assembly, installation or operation of the Goods or arising out of Goldacres's negligence or in any other way whatsoever.
12. Goldacres's liability for a breach of a condition or warranty implied by Div. 2 of Pt. V of the Trade Practices Act 1974 (other than s 69) is hereby limited to:
 - (1) in the case of Goods, any one or more of the following:
 - (a) the replacement of the Goods or the supply of equivalent Goods;
 - (b) the repair of the Goods;
 - (c) the payment of the cost of replacing the Goods or of acquiring equivalent Goods;
 - (d) the payment of the cost of having the Goods repaired; or
 - (2) in the case of services:
 - (a) the supplying of the services again; or
 - (b) the payment of the cost of having the services supplied again.
 13. Goldacres's liability under s 68A and s 74H of the Trade Practices Act 1975 is expressly limited to a liability to pay to the purchaser an amount equal to:
 - (1) the cost of replacing the Goods;
 - (2) the cost of obtaining equivalent Goods; or
 - (3) the cost of having the Goods repaired, whichever is the lowest amount.

Prices

14. Unless otherwise stated all prices quoted by Goldacres are net, exclusive of sales tax and any other applicable taxes, duties or levies. Prices quoted are those ruling at the date of issue of quotation or the date the price is given and are based on rates of freight, insurance, customs duties, taxes, exchange, shipping expenses, sorting and stacking charges, cartage, cost of materials and other charges affecting the cost of production ruling on that date and any alterations thereto either before acceptance of or during currency of the contract shall be to the purchaser's account.

Payment

15. The purchase price in relation to Goods and the cost of services shall be payable net and payment thereof shall be made on or before the thirtieth day of the month next following the delivery of the Goods or performance of the services unless other terms of payment are expressly stated in writing.

Interest on overdue payments

16. If Goldacres is not paid for any Goods or services on the due date specified in this agreement, without prejudice to any other right or remedy, all outstanding money shall bear interest on daily balances until paid at a rate of interest per annum equal to in excess of the interest rate charged by National Australia Bank on overdraft accounts for sums up to \$50,000 Australian dollars and such money together with all interest shall be recoverable forthwith from the purchaser.

Rights in relation to Goods

17. Goldacres reserves the following rights in relation to the Goods until all accounts owed by the purchaser to Goldacres are fully paid:
 - (1) legal ownership of the Goods;
 - (2) to enter the purchaser's premises (or the premises of any associated company or agent where the Goods are located) without liability for trespass or any resulting damage and retake possession of the Goods; and
 - (3) to keep or resell any Goods repossessed pursuant to (2) above;
18. If the Goods are resold, or products manufactured using the Goods are sold, by the purchaser, the purchaser shall hold such part of the proceeds of any such sale as represents the invoice price of the Goods sold or used in the manufacture of the Goods sold in a separate identifiable account as the beneficial property of Goldacres and shall pay such amount to Goldacres upon request. Notwithstanding the provisions above Goldacres shall be entitled to maintain an action against the purchaser for the purchase price and the risk of the Goods shall pass to the purchaser upon delivery.

Purchaser's property

19. Any property of the purchaser under Goldacres's custody or control shall be entirely at the purchaser's risk as regards loss or damage caused to the property or by it.

Storage

20. Goldacres reserves the right to make a reasonable charge for storage if delivery instructions are not provided by the purchaser within fourteen days of a request by Goldacres for such information.

Returned goods

21. Goldacres shall not be under any obligation to accept Goods returned by the purchaser and will do so only on terms to be agreed in writing in each individual case.

Goods sold

22. All Goods to be supplied by Goldacres shall be as described on the purchase order agreed by Goldacres and purchaser and the description on such purchase order modified as so agreed shall prevail over all other descriptions including any purchaser's specification or enquiry.

Cancellation

23. No order may be cancelled except with consent in writing and on terms which will indemnify Goldacres against all losses.

No waiver

24. The failure of any party to enforce the provisions of this agreement or to exercise any rights expressed in this agreement shall not be a waiver of such provisions or rights and shall not affect the enforcement of this agreement. The exercise by any party of any of its rights expressed in this agreement shall not preclude or prejudice such party from exercising the same or any other rights it may have irrespective of any previous action taken by that party.

Force Majeure

25. If by reason of any fact, circumstance, matter or thing beyond the reasonable control of Goldacres is unable to perform in whole or in part any obligation under this agreement then Goldacres shall be relieved of that obligation under this agreement to the extent and for the period that it is so unable to perform and shall not be liable to the purchaser in respect of such inability.

Passing of risk

26. Risk in the Goods shall pass to the purchaser upon delivery of the Goods to the purchaser or collection of the Goods by the purchaser's agent or carrier as the case may be.

Exclusion of liability

27. Goldacres shall not be liable to the purchaser in contract nor in tort arising out of, or in connection with, or relating to, the performance of the Goods or any breach of these conditions or any fact, matter or thing relating to the Goods or error (whether or not it is negligent or a breach of contract) in information supplied to the purchaser or a user before or after the date of the purchaser's or user's use of the Goods. Goldacres shall be under no liability for damages arising out of the use of any chemicals, liquids or mixtures in the Goods, nor for any application, nor for the application methods nor for the environmental effects which may result therefrom or from the use of the Goods.

Exclusion of representations and arrangements

28. These terms and conditions supersede and exclude all prior and other discussions, representations (contractual or otherwise) and arrangements relating to the supply of the Goods or any part thereof including, but without limiting the generality of the foregoing, those relating to the performance of the Goods or any part thereof or the results that ought to be expected from using the Goods.

Place of contract

29. The contract for sale of the Goods and the provision of the services is made in the State of Victoria and the purchaser agrees to submit all disputes arising with Goldacres to the courts of such State and any court competent to hear appeals therefrom.



GoldAcres Trading Pty Ltd
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email: goldacre@ruralnet.net.au
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GOLDACRES MISSION STATEMENT

To provide the agricultural industry with spray equipment, parts, service and information reflecting the best world standards of technology, performance and safety.

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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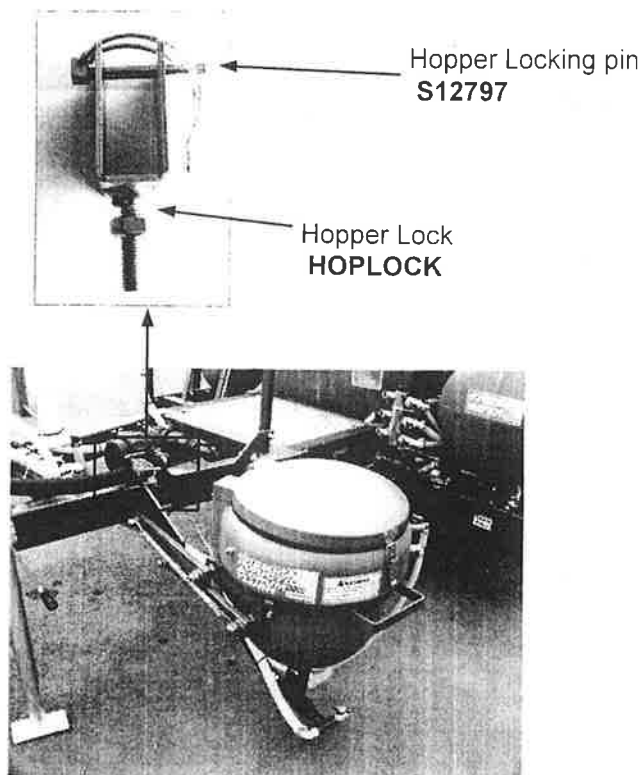
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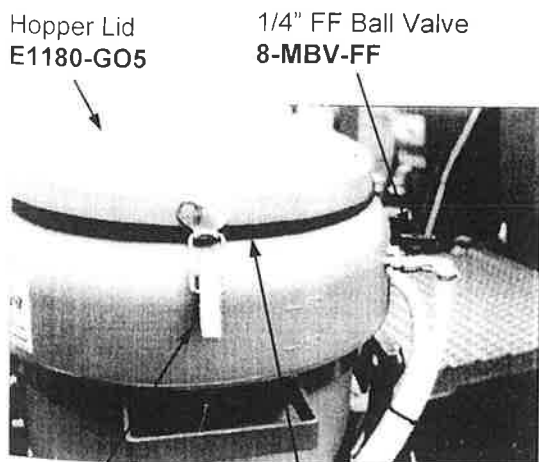
CHEMICAL INDUCTION HOPPER

- ~ Hopper construction is from moulded polyethylene and is specially designed with smooth rounded surfaces for easy, thorough chemical cleaning.
- ~ Large capacity (70L) 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.



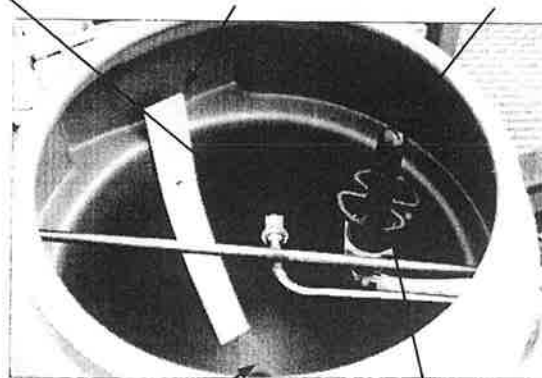
Available in three models:

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

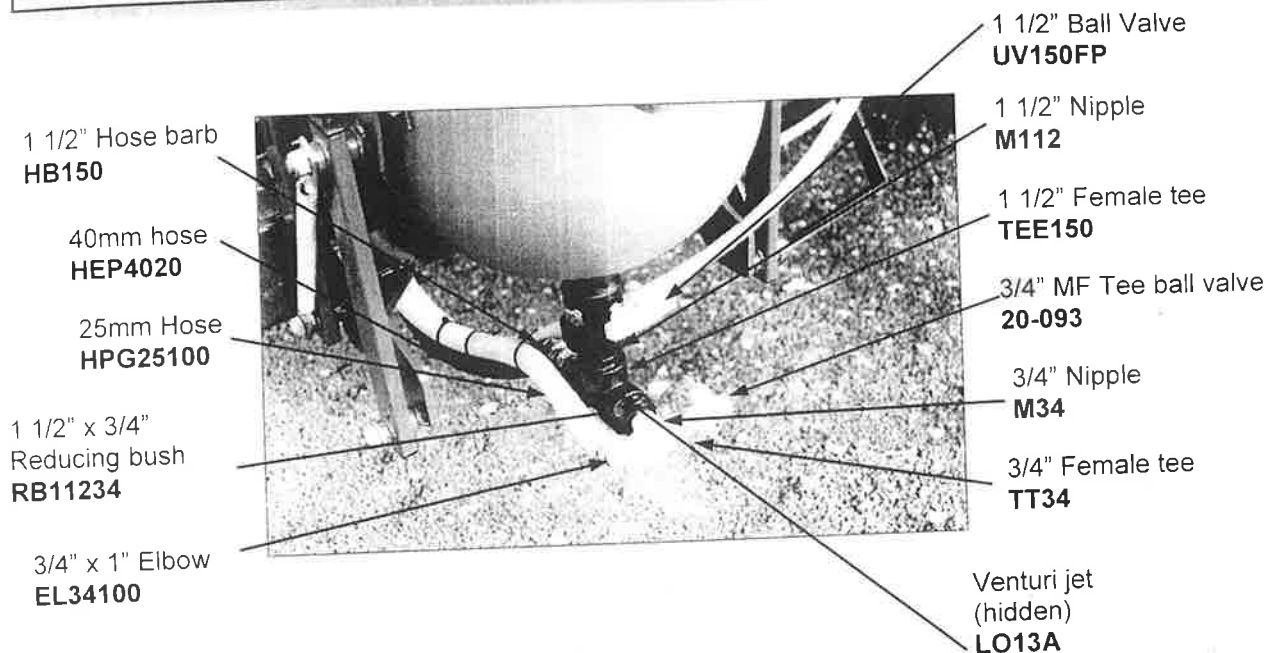


Hopper Lid E1180-GO5
1/4" FF Ball Valve 8-MBV-FF
Hopper Lid Latch 30-502
Seal 550140030
Hinge (not shown) HING3

Hopper Rinsing Nozzle HOPRINSE
Hopper Calibrator F70116A
Drum Rinsing Nozzle 510100



Hopper Rinsing Nozzle HOPRINSE
Hopper Calibrator F70116A
Drum Rinsing Nozzle 510100
Mesh cover over jet (hidden) 23141483
Push Down Valve 510110



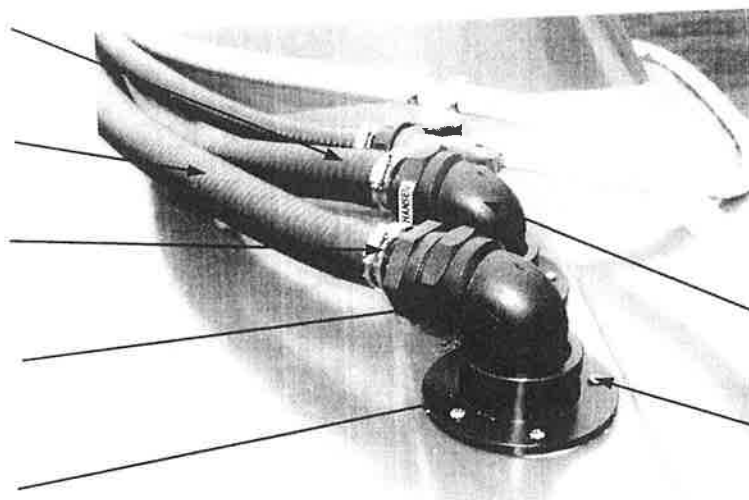
40mm hose
HEP4020
(from induction
hopper)

50mm hose
HEP5020

2"-1 1/2" Hose
tail
3554468

Male/female
elbow 2"
2271956

Flange fitting
L026A

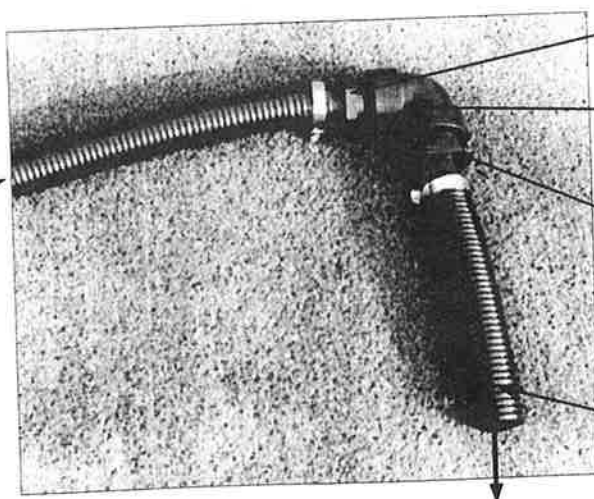


Elbow 2"-1 1/2"
3554468

Self Tapper
3/16x1"

Older style fittings
for the Induction
Hopper line.

Flow from
induction hopper



Chemicals transferred into middle of tank

DRUM RINSING NOZZLE

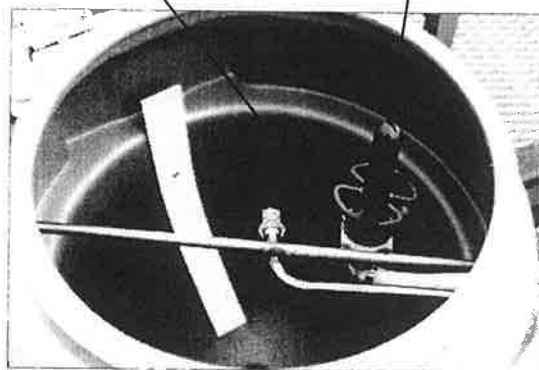
Drum rinsing nozzle
510100



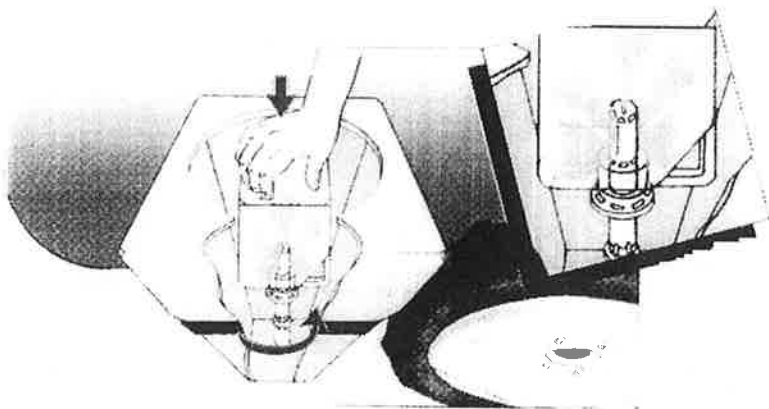
Push down valve
510110

Push down valve

Drum rinsing nozzle



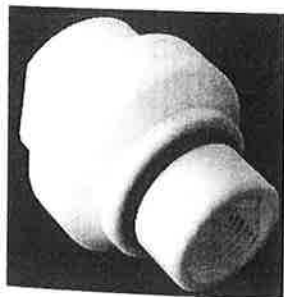
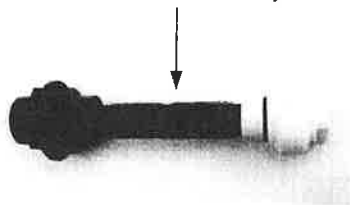
CHEMICAL INDUCTION HOPPER



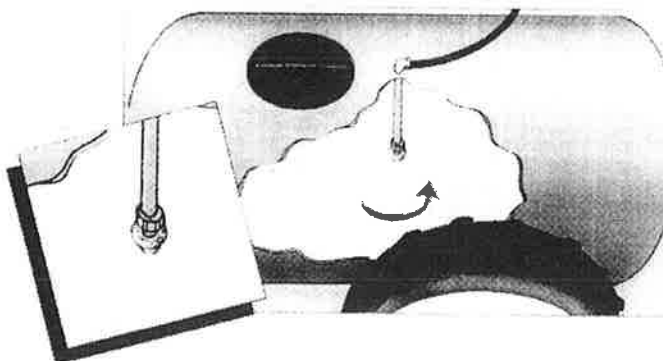
- * To clean containers before disposal.
- * Reduce chemical waste.
- * Fluid driven rotational spray head.
- * Safety valve: it opens only by pushing through the container.
- * Made of corrosion resistant material.

TANK RINSING NOZZLE

Tank Rinse Nozzle Assy TRNA



Tank rinsing valve
SPRAYH

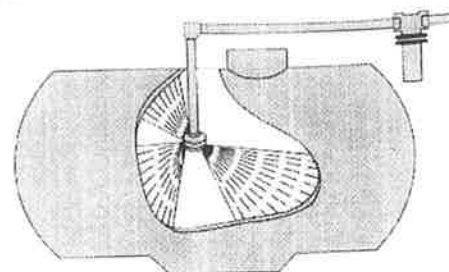


- * Fluid driven rotational spray head.
- * 360° effective rinsing of inside surface of tank.
- * Made of corrosion resistant material.
- * 3/4" BSP thread.
- * Easily dismantled for cleaning.

TeeJet® Tank Rinsing Nozzles



- ~ The 27500 tank rinsing nozzle has a fluid-driven rotational spray head with orifices positioned to provide effective rinsing of sprayer tanks.
- ~ Provides 360° coverage of inside surface of tank.
- ~ Made of corrosion resistant Teflon material.
- ~ Mounting connection - 3/4" NPT (F).



Nozzle No.	Capacity - L/min					Type of Coverage	Spray Angle
	0.7 bar	1.5 bar	2 bar	3 bar	3.5 bar		
27500E-4-18-TEF	34	50	58	71	77		360



- ~ The rotary tank rinsing nozzle is used for rinsing the insides of chemical containers and spray tanks up to 2M in diameter.
- ~ Available with 1/2" NPT or BSPT connections.
- ~ Rotating head is driven by the flow of the rinsing liquid, starts at pressure of less than 0.5 bar.
- ~ Self-cleaning sliding bearing.
- ~ Body of Celcon-Delrin, flat spray inserts of 303 stainless steel.
- ~ Nozzle fits in 1 1/2" / 38mm opening.

Nozzle No.	Capacity - L/min				
	1.5 bar	2 bar	3 bar	4 bar	5 bar
025468-POM/SS-7	19.5	33.0	28.0	32.0	36.1

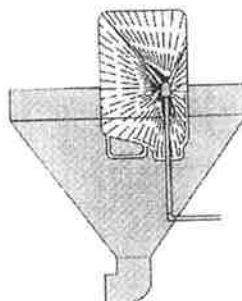
TeeJet® Container Rinsing Nozzles

- ~ The 23240 container rinsing nozzle is used to rinse residue from containers before disposal.
- ~ Can be used for containers with 1 1/32" / 26mm diameter openings or larger.
- ~ Three flat spray orifices provide self-rotational forces needed to create spherical coverage.
- ~ Made of 303 stainless steel with hardened stainless steel bearings and races for maximum wear life. Also includes an internal sleeve made of Teflon.



Model 23240

Typical Application



- ~ Used for inside rinsing of chemical containers.
- ~ 40 orifices combine to produce a 240° spray angle.
- ~ All nylon construction.
- ~ Available with 1/2" or 3/4" NPT or BSPT (F) connection.
- ~ Recommended operating pressure 2-4



Model VSM-*

HOW TO ORDER:

VSM - 90 - 240 3/4 NPT - PA
 Nozzle Type Capacity Spray Angle Size Thread Material

Nozzle No.	Inlet Connection	Capacity - L/min				
		1.5 bar	2 bar	2.5 bar	3 bar	4 bar
23240-3-HSS-5 7 SS	1/2" NPT (F)	15.9	16.1	18.0	19.7	23.4
23240-3-HSS 7-SS	3/4" NPT (F)	19.5	25.0	25.0	26.0	32.0

Nozzle No.	Inlet Pipe Connection	Orifice Dia. (mm)	Capacity - L/min						Spray Angle
			0.5 bar	1 bar	2 bar	3 bar	5 bar	10 bar	
VSM-28	1/2" or 3/4" NPT or BSPT (F)	0.80	8.3	10.5	17.7	21.7	28.0	39.5	240°
VSM-44		1.00	13.0	19.7	27.9	34.1	44.0	62.3	
VSM-90	1/2" or 3/4"	1.50	28.1	40.3	56.9	69.7	90.0	127.0	
VSM-140	NPT or BSPT (F)	1.95	44.1	62.6	88.3	109.4	140.0	193.0	
VSM-190		2.50	69.1	85.0	120.1	147.2	190.0	268.7	

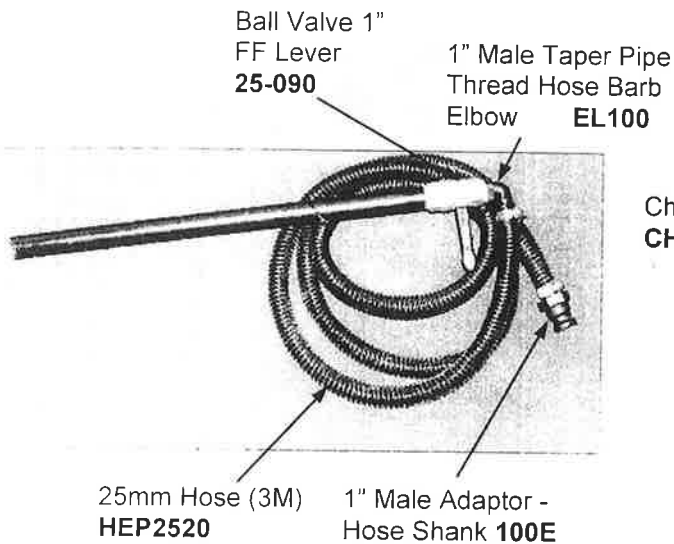
CHEMICAL VENTURI PROBE

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:

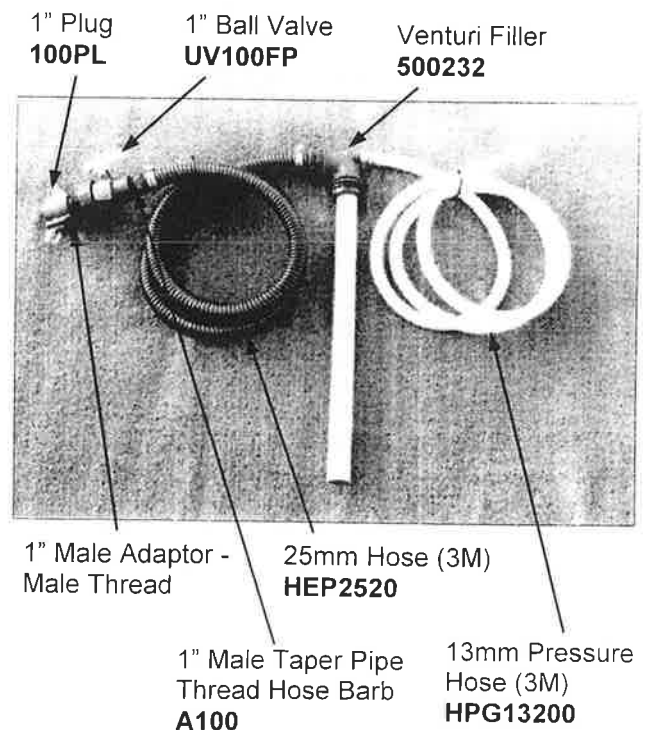
a 121 l/min pump running at 600 kPa will transfer water via the probe at a rate of approximately 40 l/min.

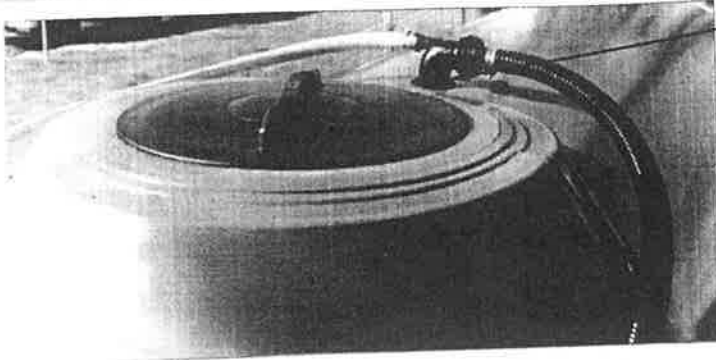
Note: All chemicals should be transferred after between 20% and 50% of the required water quantity has been added to the sprayer tank. This will ensure that agitation takes place when the remaining water is added.



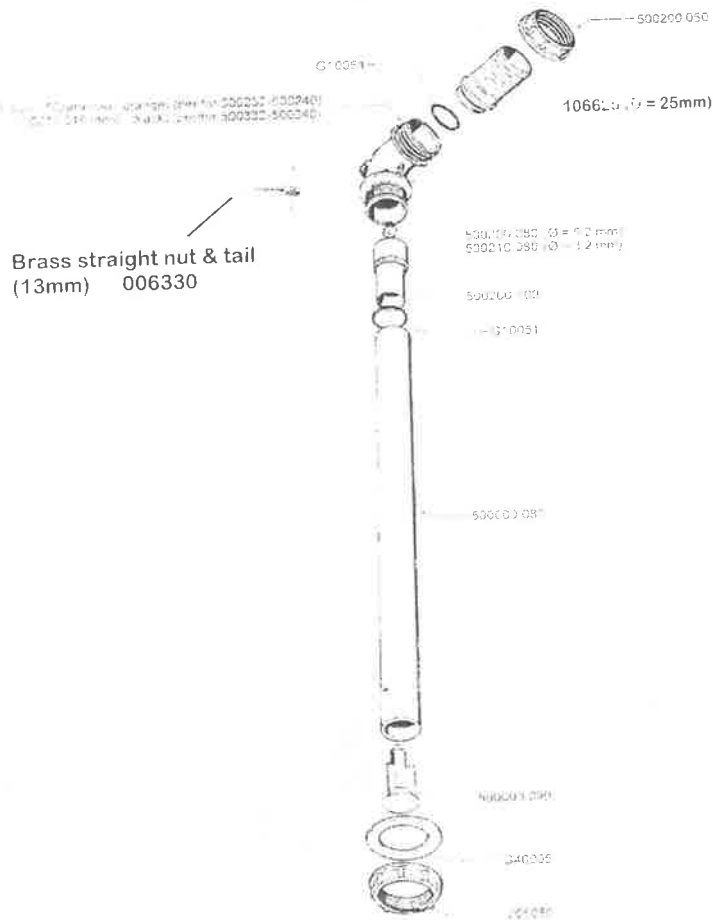
Chemical Suction Probe
CHEMSUCP

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:

System includes:
- Venturi filler, 6M x 38mm vent hose, 3M x 13mm pressure hose.

Floating filter can also be supplied, see page 52.

Venturi filling system VENTFILL

TRANS-CAL VOLUMETRIC CHEMICAL TRANSFER SYSTEM

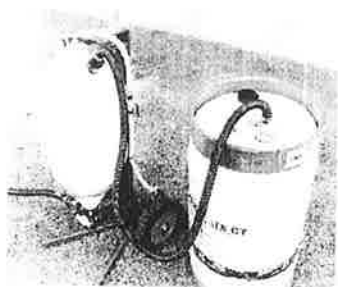
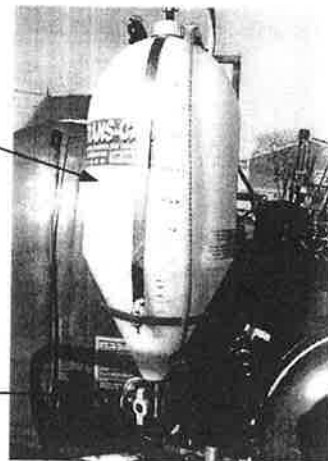
The Trans-Cal volumetric chemical transfer system has been designed to provide for the transfer of liquid chemical from any container (including the Envirodrum closed transfer system) to the sprayer tank. By utilizing a venturi system fitted to the sprayer, the chemical is transferred from the chemical 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

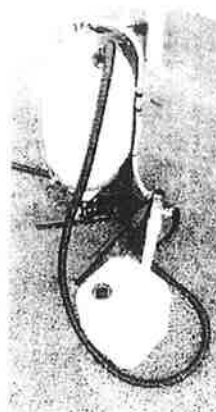
The Trans-Cal system can be mounted either on the sprayer tank or free-standing at the filling site. It can be easily retro-fitted to most sprayers

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**



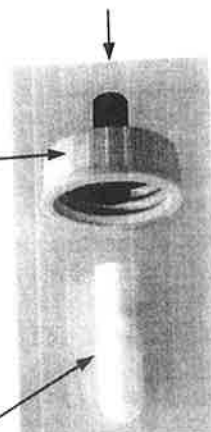
K744-094 Coupler
Enables connection into the closed system chemical containers



KCC2511 Rinsing Socket
Provides for fresh water rinsing of the coupler and chemical lines

Trans-Cal tank lid
P24730TRL

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



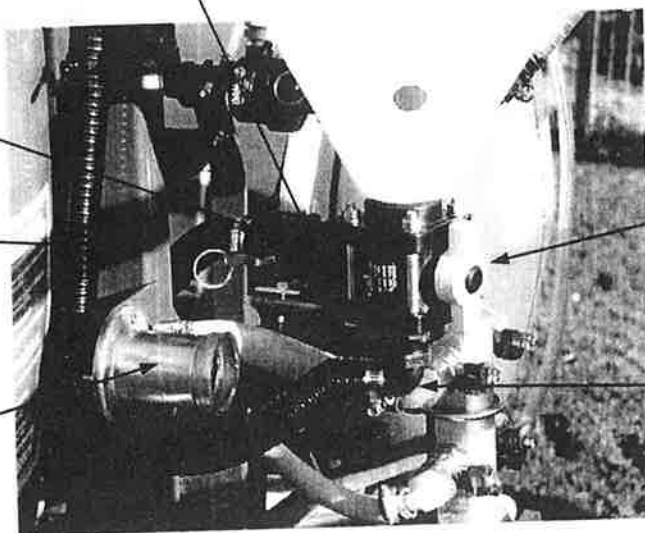
510100 Tank Rinsing Nozzle
The Trans-Cal tank can be easily and thoroughly rinsed with fresh water and thus be ready for the next chemical

Cam-loc fitting
100C

1" Hose
HEP2520

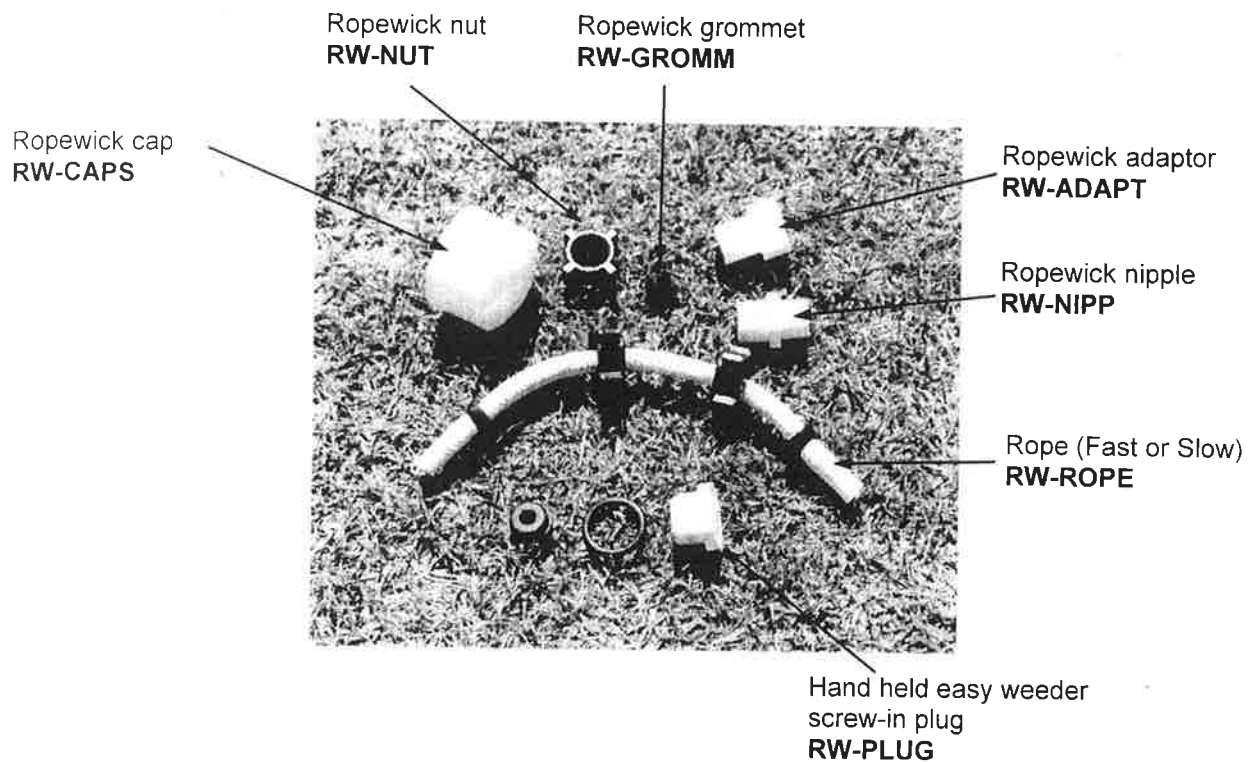
Rinsing Socket
KCC2511

Cam-loc fitting
100F



3 Way 1" Ball valve
V100BL

1" Elbow
EL100

GOLDACRES ROPEWICK PARTS

GOLDACRES OVERSIZE SIGNS

GOLDSIGN FRONT RETRO-REFLECTIVE

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. This front mounted sign is 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**.

GOLDSIGN FRONT **GSIGNFRONT**



Oversize sign fitted without tail lights.

GOLDSIGN REAR RETRO-REFLECTIVE

This retro-reflective sign as illustrated **has turning indicators and stop lights**. It comes complete with wiring to suit most vehicles.

These signs are ideal for sprayers, headers and any implement where attaching a rigid sign is possible.

GOLDSIGN REAR **GSIGNREAR**

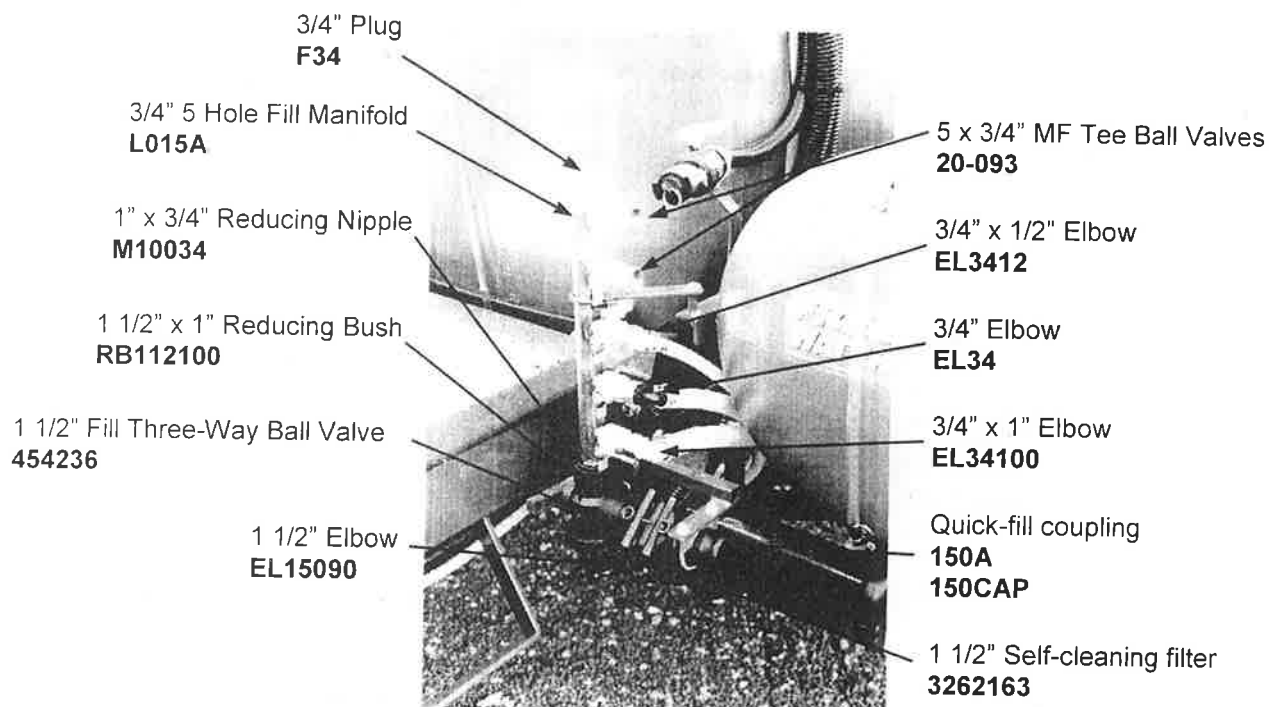
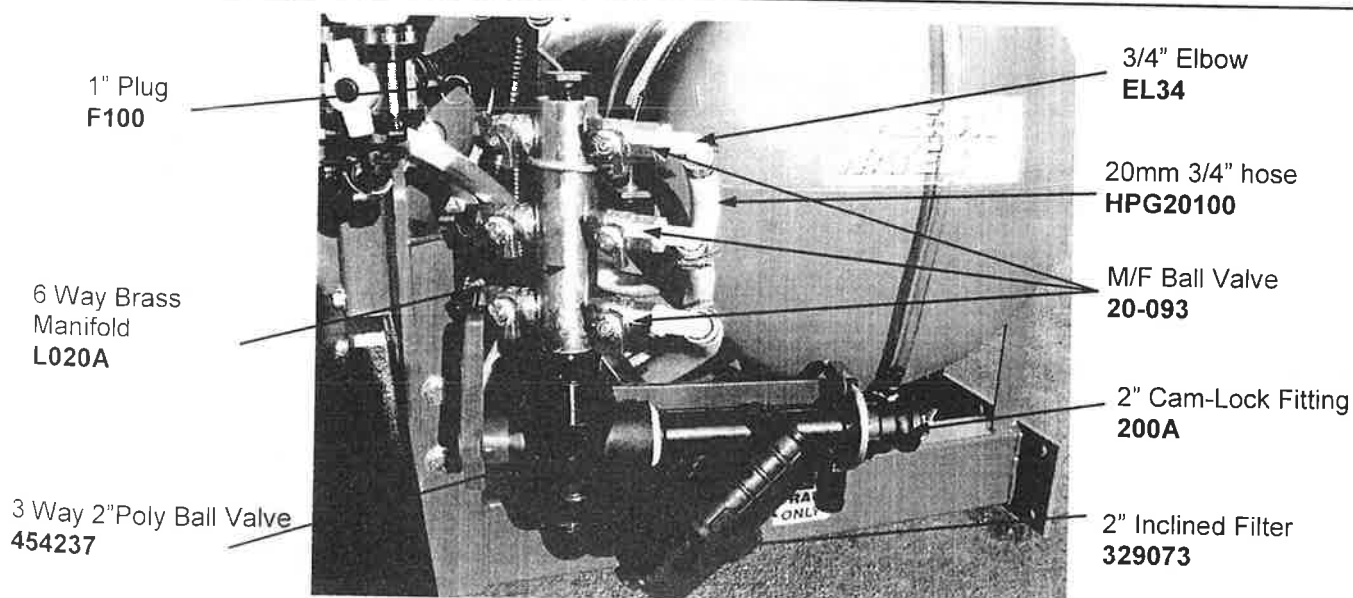


Oversize sign featuring tail lights.

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.

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 fresh 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 fresh water pumping system should not exceed 100 psi.

**Fill Manifold Complete 1 1/2"****FILLMAN****Fill Manifold Complete 2"****FILLMAN2**

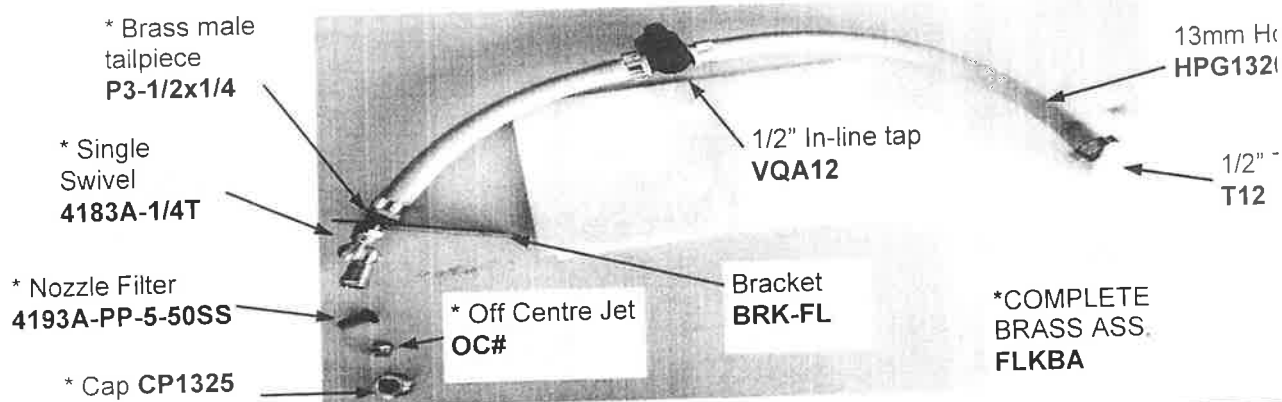
FENCELINE KITS

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.

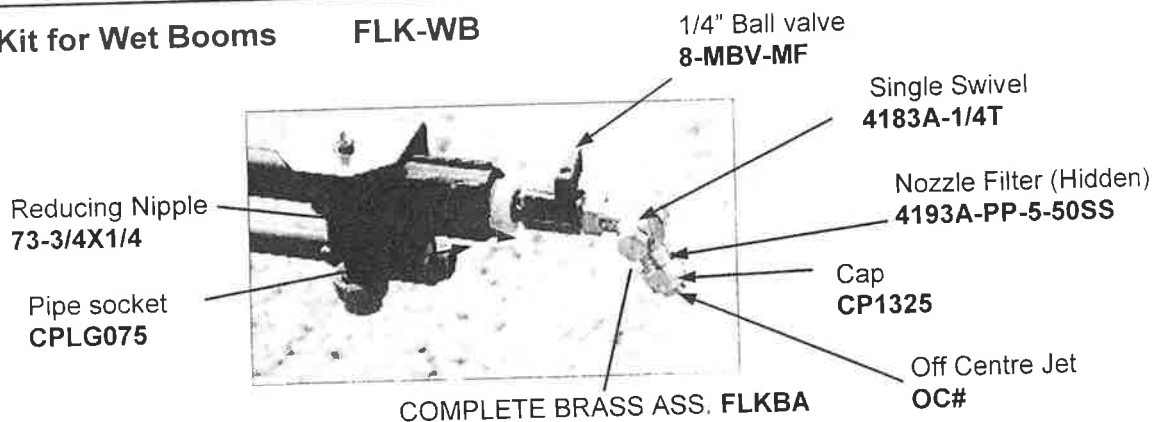
Fence Line Kit for Dry Booms

FLK



Fence Line Kit for Wet Booms

FLK-WB

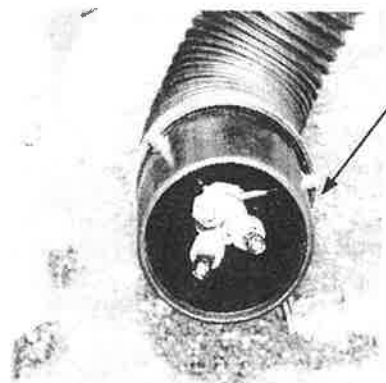


Fence Line Kit for Wet Booms with Solenoid

FLJVLV



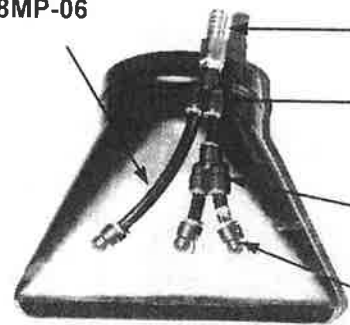
PARTS FOR GOLDACRES DIRECTOR SPRAYER



5" Hose 200400160

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
25C-1/2

Hose joiner
EY6-P/T-1/4

Hose joiner
EYB-6-6

Elbow
EL6-P/T-1/4

Pressure hose
HPG13200



Brass nozzle mount
L038A

Stainless steel bolts
 6mm x 60mm
M6X60SS

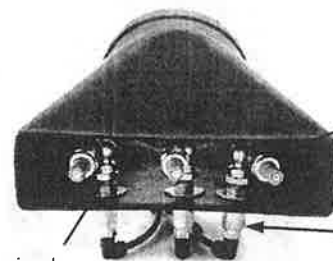
Triget
L028A

Check strainer
4193A-PP-5-50SS

Brass Adapter
CP1322

Nozzle
TXVK#

Brass cap
CP1325



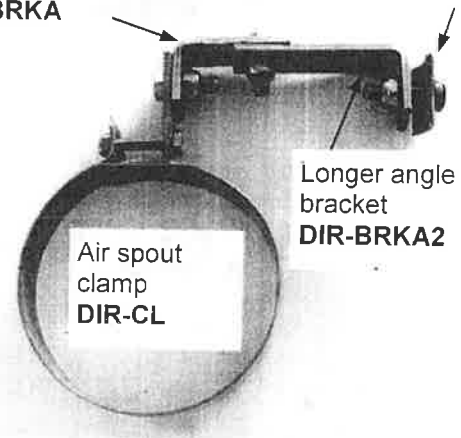
Single swivel
4183A-1/4T

Hex nipple
27-1/4

Brass socket
26-1/4

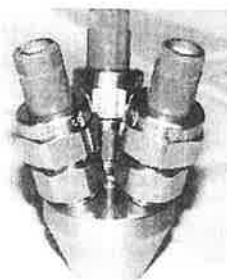
Angle bracket
DIR-BRKA

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

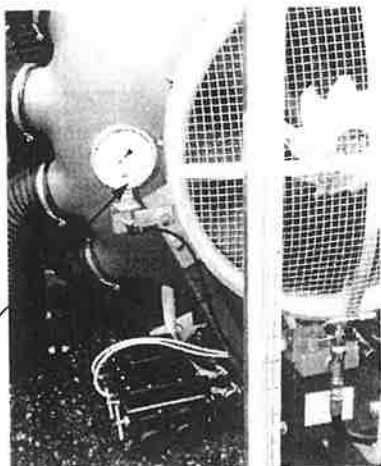
Please specify TX nozzle size when ordering



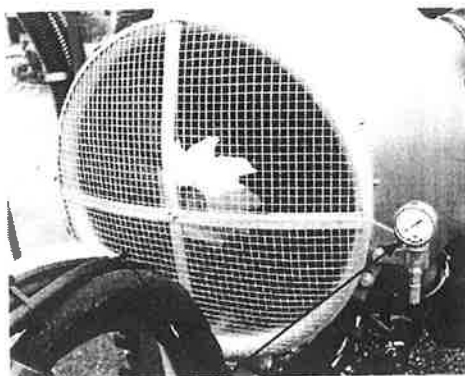
3-WAY BRASS NOZZLE BODY (BARE)
DIR-3BB-BARE

PARTS FOR GOLDACRES DIRECTOR SPRAYER

Small face hydraulic pressure gauge
GAUGE-LG

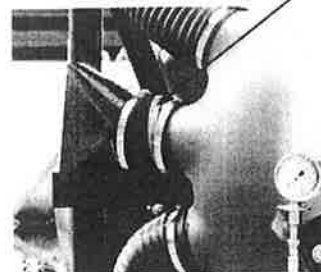


Small face hydraulic pressure gauge
GAUGE-SM-DIR



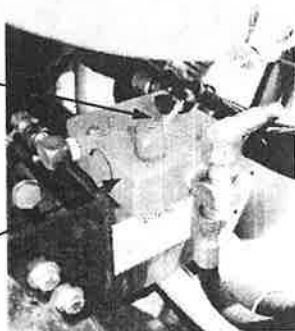
Standard water rubber hose (127mm)

180020170

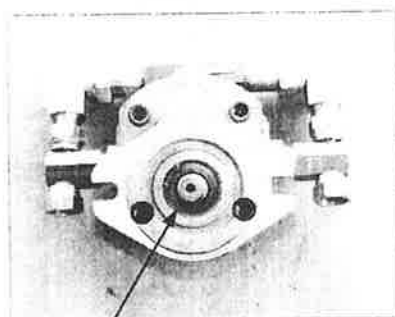


Handle for hydraulic flow diverter valve
660301002

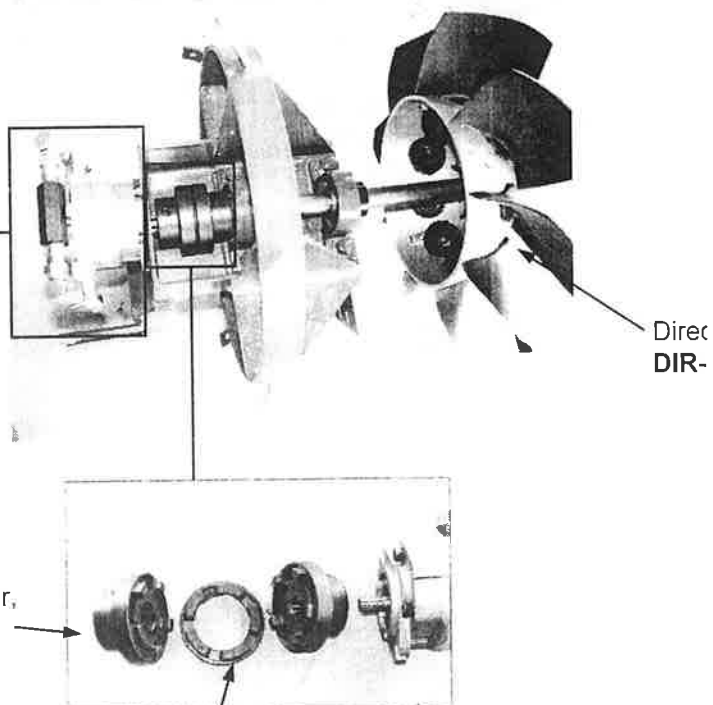
Hydraulic flow diverter valve
RD19508



Hydraulic motor shaft seal
5A0081



Complete coupler, including rubber.
PC97



Coupler wear rubber
PC97RUB

PARTS FOR GOLDACRES ORCHARD SPRAYER

D460076 MTPXC Gearbox for 32"

D460077 MTPXC Gearbox for 36"

D574141 36" VVM Fan

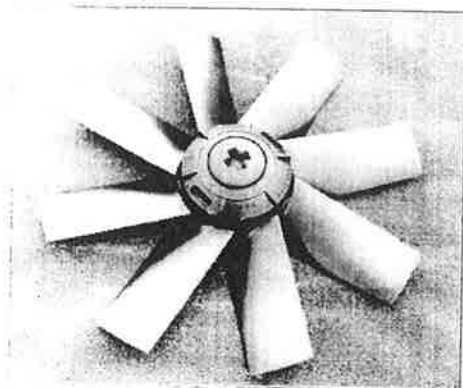
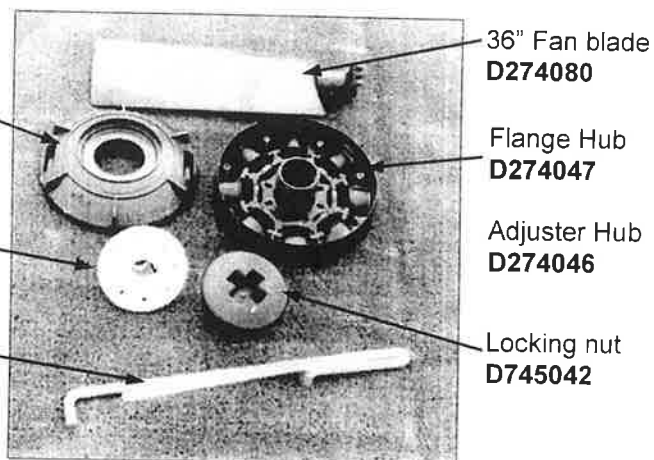
D274080 36" Fan blades

TOP Top air directors with nozzles

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

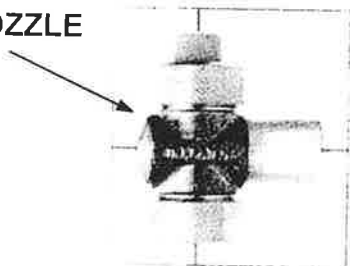
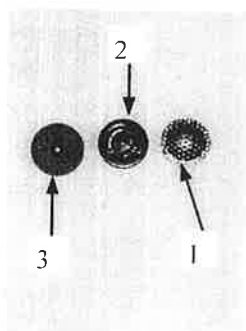
Note: Gears may be angled.

FAN

Adjusting nut
D142009Flange
D301129Adjustor arm
D10101036" Fan blade
D274080Flange Hub
D274047Adjuster Hub
D274046Locking nut
D745042

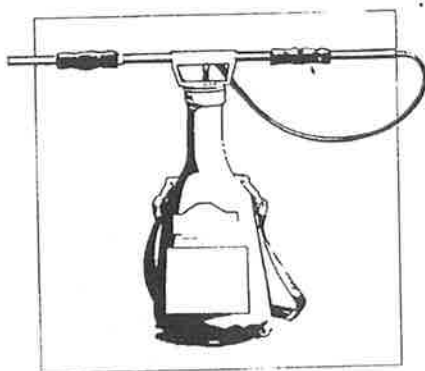
FLIP NOZZLE

D822150

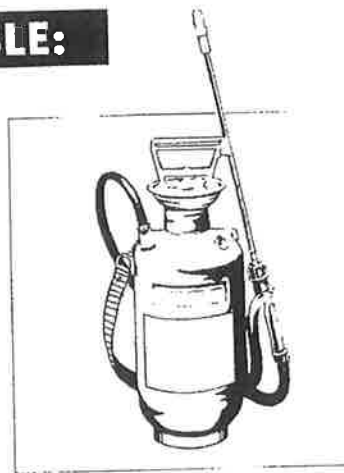
FLIP NOZZLE
D3105

POS. NO.	PART NO.	DESCRIPTION
1	005805	Jet screen
2	005910	Stainless Steel disk (1mm)
	005912	Stainless Steel disk (1.2mm)
	005915	Stainless Steel disk (1.5mm)
	005918	Stainless Steel disk (1.8mm)
3	005808	Orifice disks (0.8mm)
	005810	Orifice disks (1mm)
	005812	Orifice disks (1.2mm)
	005815	Orifice disks (1.5mm)
	005818	Orifice disks (1.8mm)
	005820	Orifice disks (2mm)

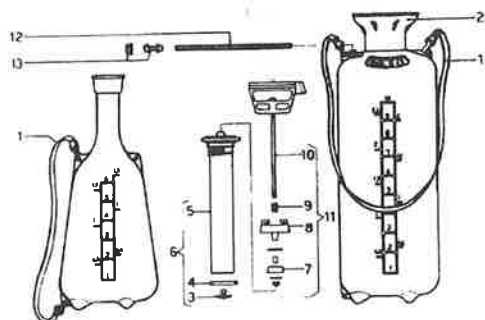
BERTANI PRESSURE SPRAYERS

MODELS AVAILABLE:

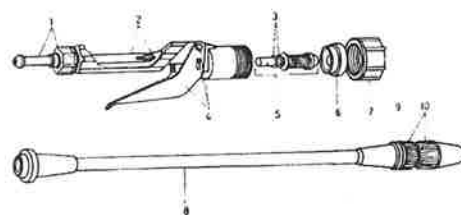
Long neck pressure sprayer of
6 Lt capacity **G6**



Pressure sprayer of 8 Lt
capacity **P8**



POS. NO	PART NO	DESCRIPTION
1	3403	Belt assy
2	3404	Funnel P8
3	3405	Valve
4	3407	OR 154 ring
5	3406	Plunger tube
6	3417	Plunger tube assy
7	3812	Packing
8	3418	Plunger guide
9	5264	Spring
10	3412	Handle assy
11	3413	Plunger
12	3416	Outlet tube P8
13	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.



TAS MONITOR



TAS4G

Please specify cable length when ordering Tas monitor.

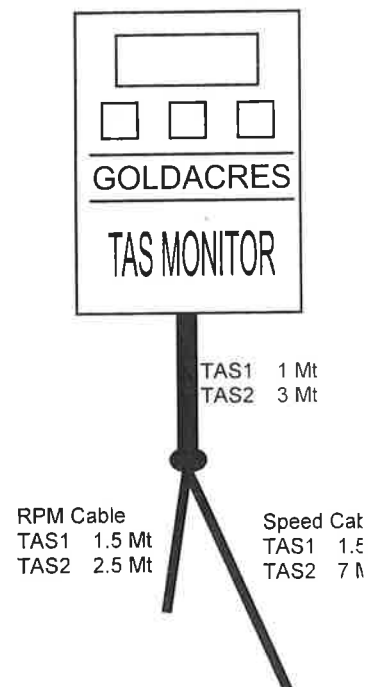
Refer to picture below.

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.)



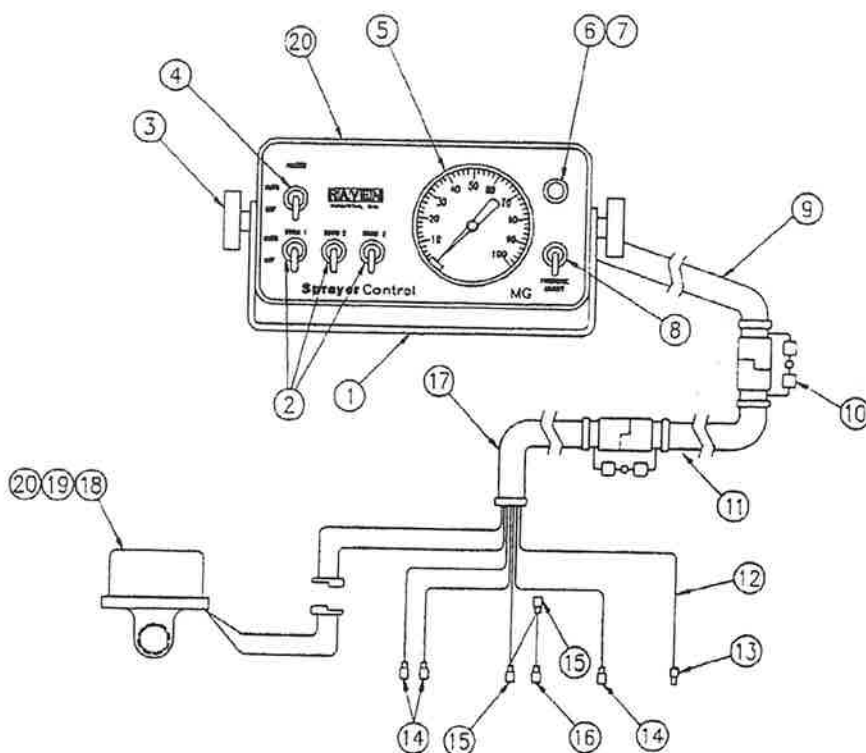
SCS203 MONITOR CONTROLLER CONSOLE



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

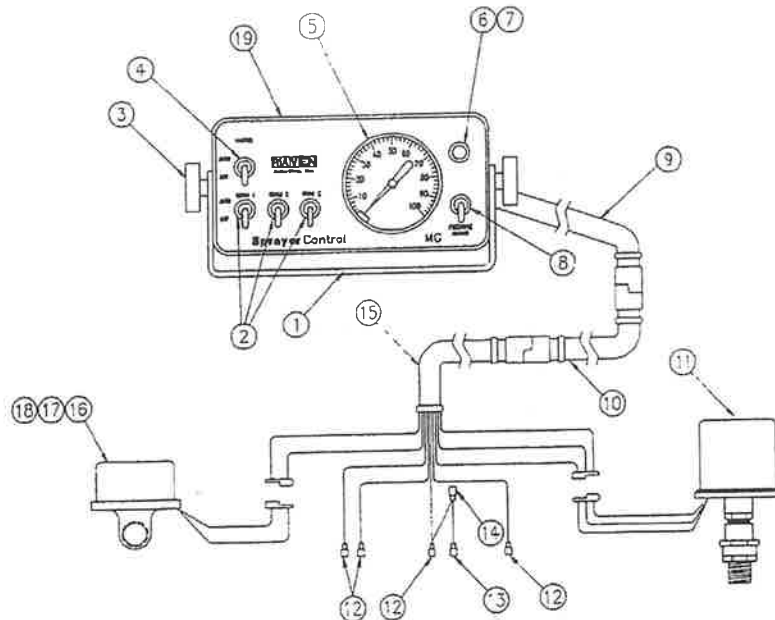
SCS303 MONITOR CONTROLLER CONSOLE



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	405-2001-019
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

KEEP FROM FIRE



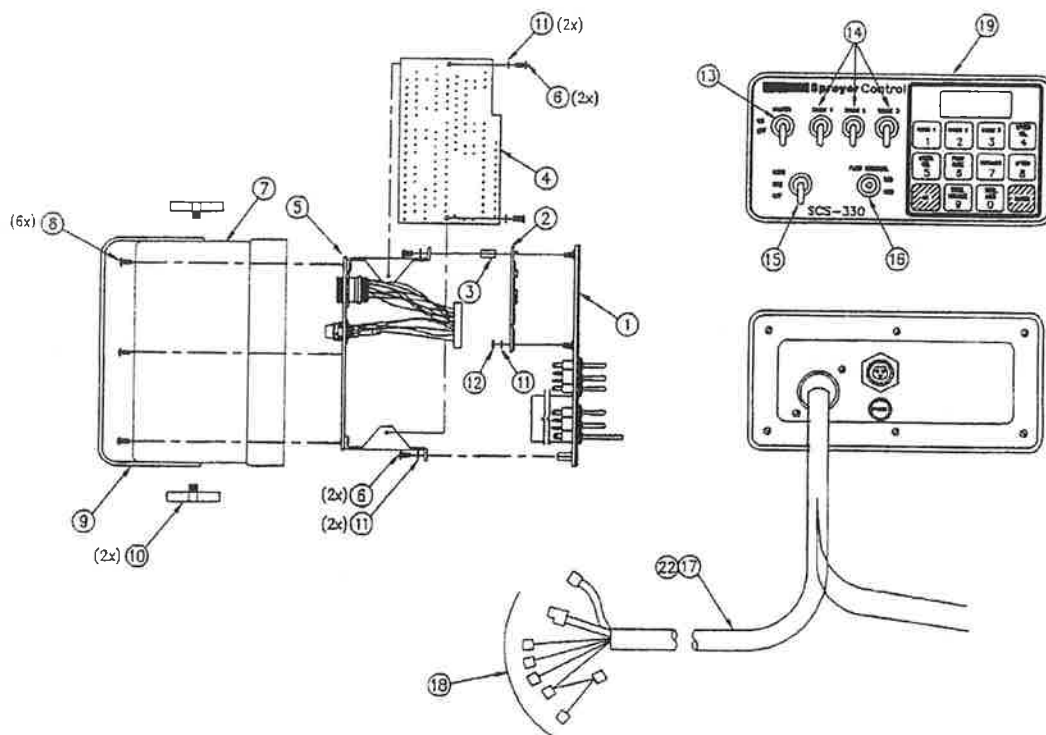
SCS330 AUTOMATIC MONITOR CONTROLLER CONSOLE



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.

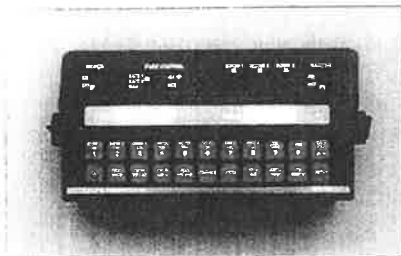
SCS330 Console

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

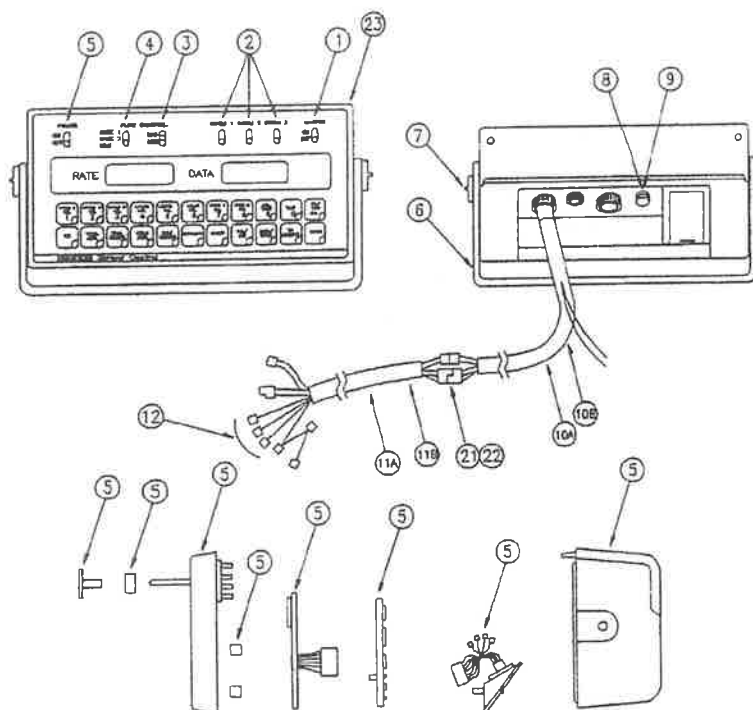


The Raven SCS440 automatic monitor controller automatically maintains rate (L/Ha) irrespective of speed changes. Has two display windows (always displays rate), alarm, two automatic rate settings, manual rate control and suits three boor sections. Monitors rate, total and subtotal applied volume and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

SCS440 Console **0630171412**

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

SCS440P Console **0630171183**



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
10A	Console Control Cable	115-0159-418
10B	Console Control Cable (Turf)	115-0159-509
11A	Flow Control Cable (6 ft.)	115-0159-404
	Flow Control Cable (12 ft.)	115-0159-405
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	063-0159-528
20	Back Assembly	063-0159-530
21	Flow Ext. Cable (12 ft.)	115-0159-409
22	Flow Ext. Cable (24 ft.)	115-0159-414
23	Console Only	063-0159-531

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

NEW



OLD



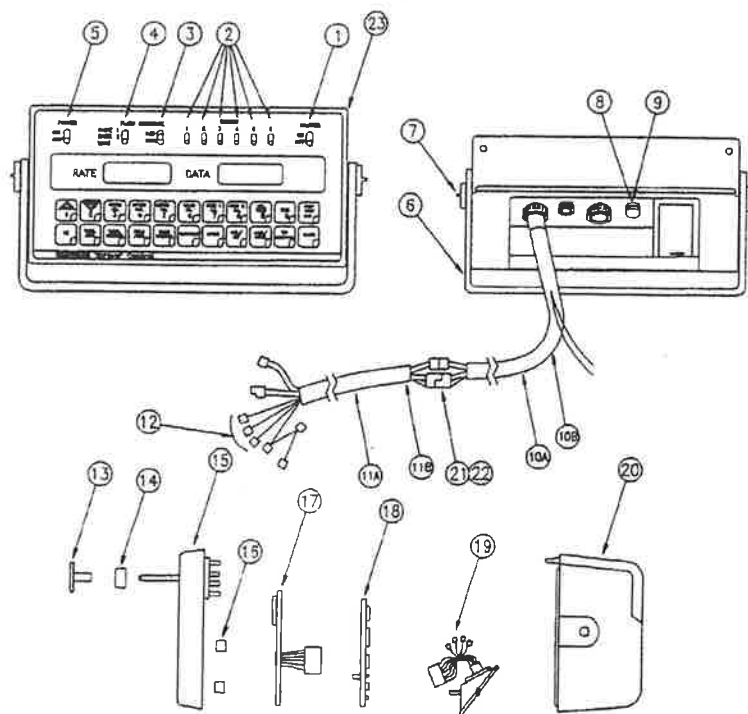
SCS450 AUTOMATIC MONITOR CONTROLLER CONSOLE

The Raven SCS450 automatic monitor controller automatically maintains rate (L/Ha) irrespective of speed changes. Has two display windows (always displays rate), 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.

SCS450 Console **0630159747**

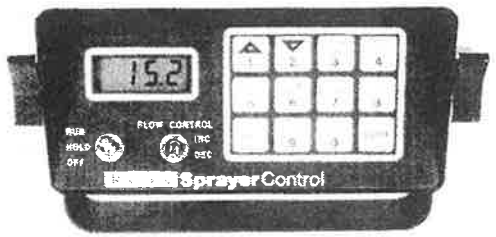
Optional console has printer output and two-way communication for uploading and downloading GPS information.

SCS450P Console **0630171220**



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.)	115-0159-492
11A	Flow Control Cable(6 ft.)	115-0159-495
	Flow Control Cable(12 ft.)	115-0159-496
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

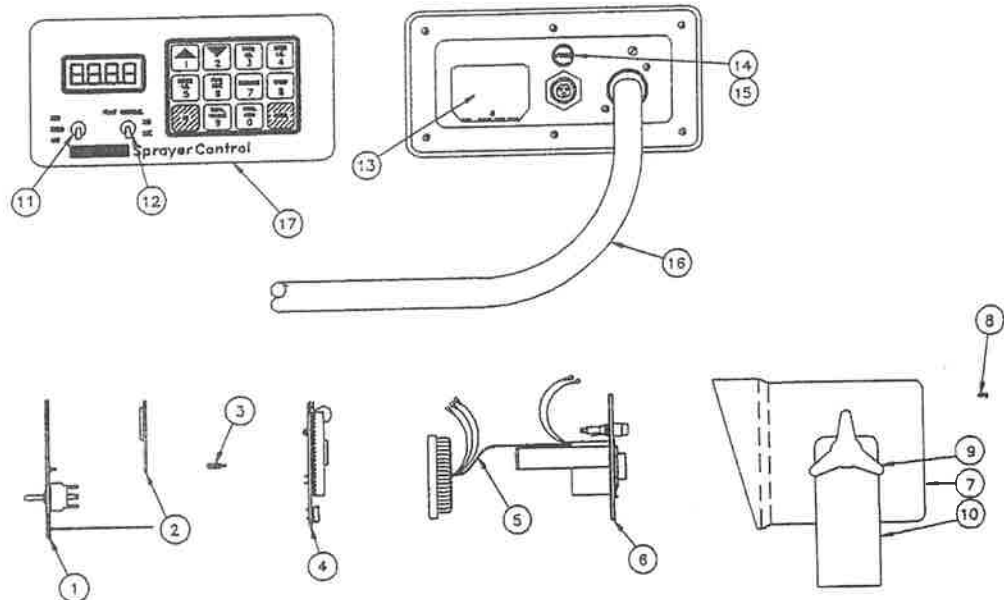
SCS550 MONITOR CONTROLLER CONSOLE



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

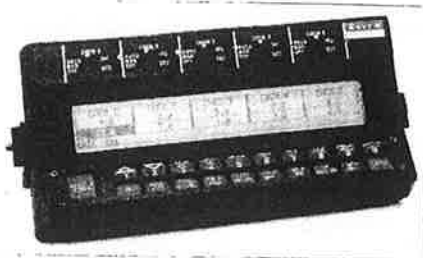


ITEM	DESCRIPTION	RAVEN PART#
1	Face Plate Assembly	063-0159-941
2	Display P.C. Assembly	064-0159-435
3	Spacer, Aluminum	305-2540-625
4	Processor P.C. Assembly	064-0159-511
5	Internal Cable Harness	115-0159-582
6	Connector Plate Assembly	063-0159-943
7	Console Enclosure	063-0159-542
8	6-32 UNC Screws	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

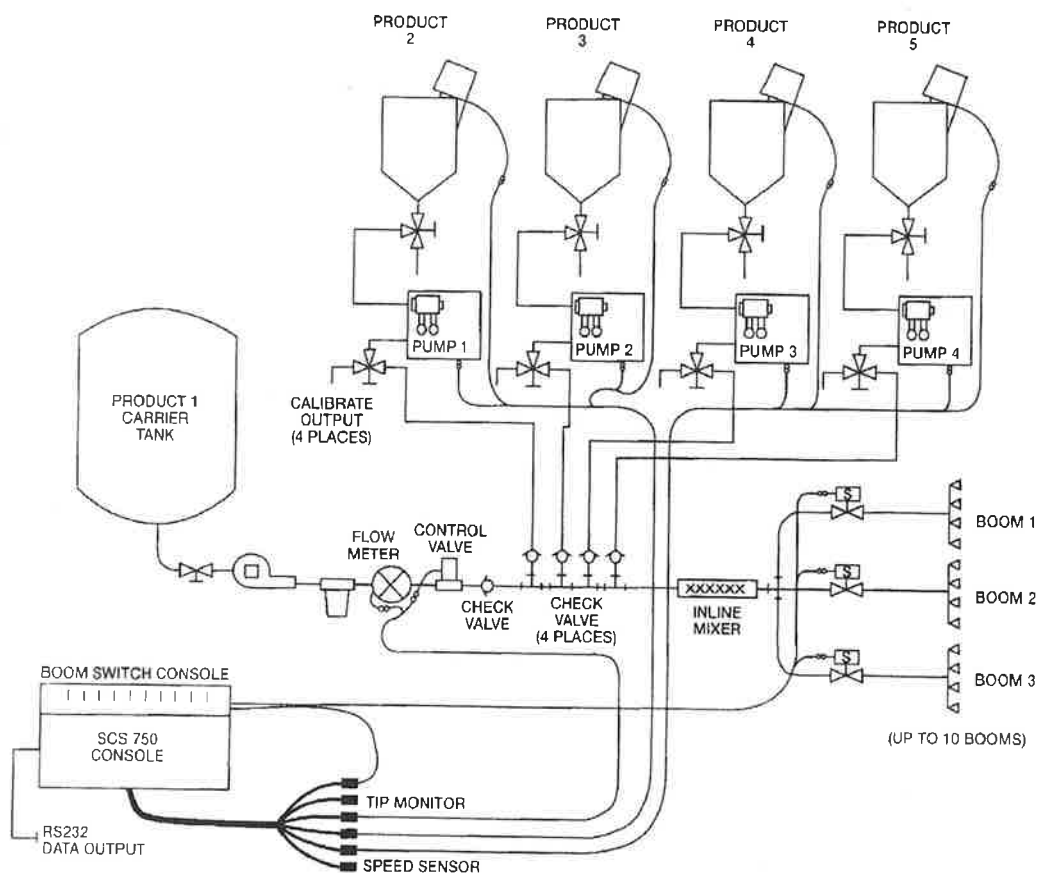
SCS750 DIRECT CHEMICAL INJECTION CONSOLE



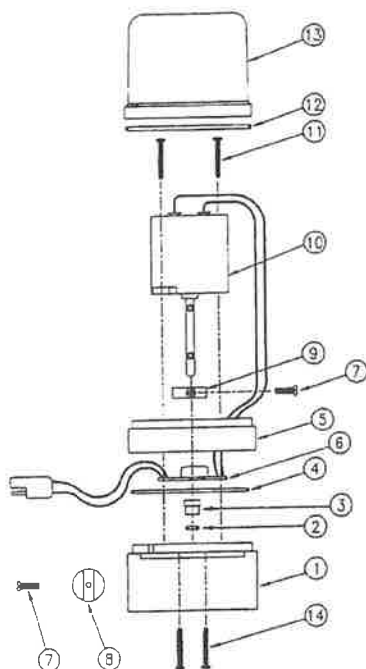
The Raven SCS750 direct chemical injection controller can independently regulate five chemicals automatically, or up to four chemicals and a carrier at the same time. The chemical is injected into the pressure line close to the boom solenoids and is mixed via a mixer. Thus the sprayer tank contains only 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



3/4" POLY CONTROL VALVE



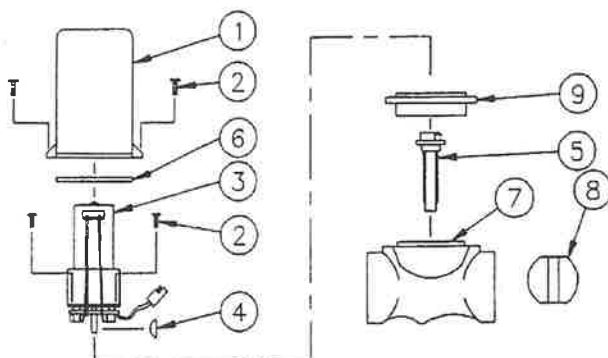
The Raven 3/4" Poly Control Valves are used to control flow to either the boom sections or the bypass to the tank via the orientation of the butterfly. The valve is rated at 1200 kPa (175 psi).

3/4" Poly Control Valve 0630171120
3/4" Poly Control Valve (360°) 0630159001



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

1" AND 1 1/2" POLY CONTROL VALVE

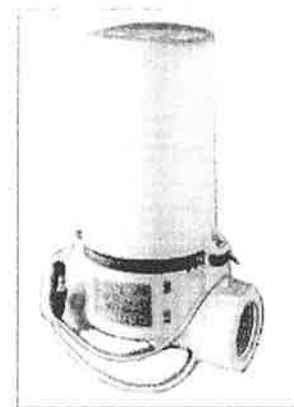


The Raven 1" and 1 1/2" Poly Control Valves are used to control flow to either the boom sections or the bypass to the tank via the orientation of the butterfly. The valve is rated at 1200 kPa (175 psi).

1" Poly Control Valve 0630159445
1" Poly Control Valve (360°) 0630159447
1 1/2" Poly Control Valve 0630159446
1 1/2" Poly Control Valve (360°) 0630159448

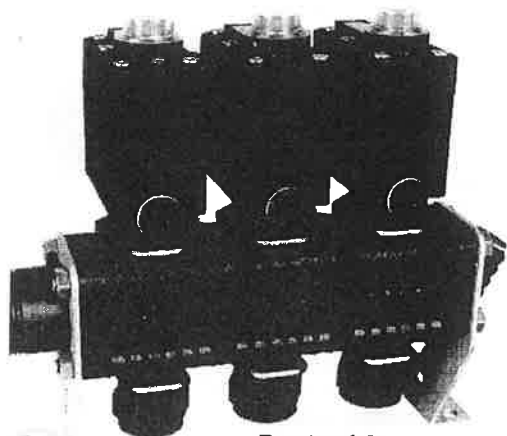
ITEM	DESCRIPTION	RAVEN PART#
1	Valve Cover	106-0159-407
2	#6-32 x 3/4" Lg. Screw	321-0000-256
3	Motor Assembly	063-0159-409
4	Woodruff Key	321-0000-062
5	Coupler Shaft (1" Valve)	019-0159-016
6	Coupler Shaft (1 1/2" Valve)	019-0159-015
7	Seal Tetraseal	219-0000-020
8	Valve Body Mod. (1" Valve)	019-0159-005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

*NOT SUPPLIED WITH STANDARD UNIT

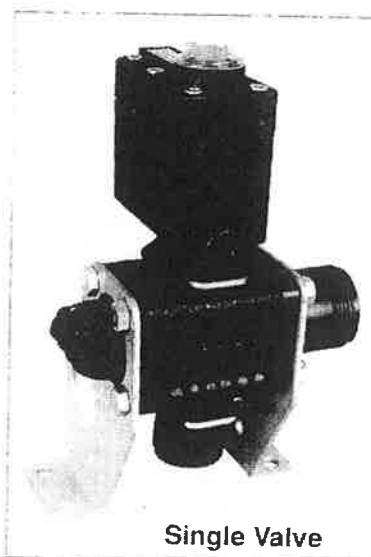


RAVEN MOTORISED BOOM VALVES

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 seven valves. Maximum operating pressure 150 psi. 3/4" ports.



Bank of 3



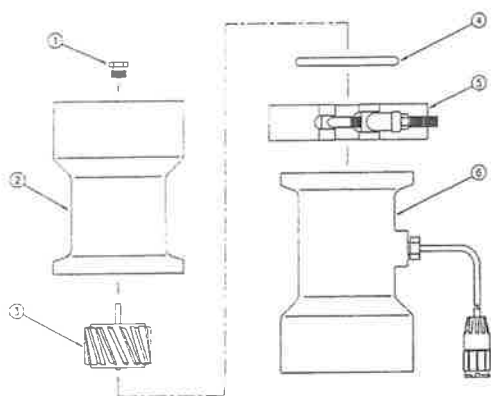
Single Valve

RAVEN BOOM CABLES

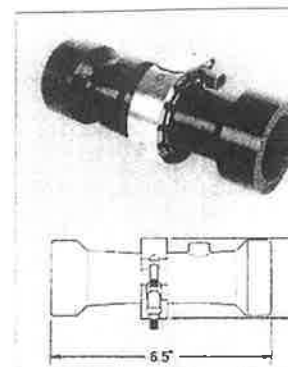
CONSOLE	CABLE DESCRIPTION	CABLE PART NUMBER
SCS203	Flow Control Cable 6'	1150159013
	Flow Control Cable 12'	1150159015
	Console Control Cable Ext 12'	1070159025
SCS303	Flow Control Cable 6'	1150159008
	Console Control Cable Ext 12'	1070159043
	Flow Control Cable 6'	1150159404
SCS440, SCS330, SCS550	Flow Control Cable 12'	1150159405
	Flow Control Cable Ext 12'	1150159409
	Console Control Cable 10'	1150159418
SCS450	Flow Control Cable 12'	1150159496
	Flow Control Cable Ext 12'	1150159493
	Console Control Cable 10'	1150159492
RFM Flowmeter	Flowmeter Cable Ext 12'	1150159017
Speed Sensor	Speed Sensor Cable Ext 12'	1150159032

RAVEN FLOWMETERS

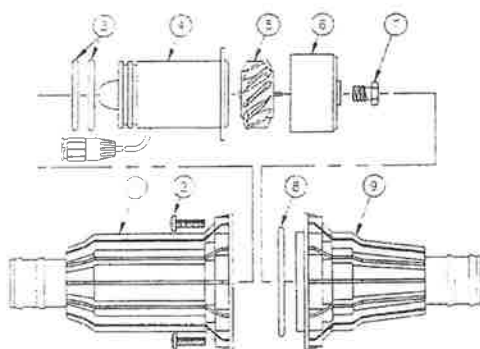
The Raven Flowmeters provide an economical method of accurately measuring a wide range of liquids at various flow rates. An electronic transducer located inside the flowmeter monitors turbine rotation. These digital signals are then interfaced to electronic consoles to give a volume readout. They are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

RFM15 FLOWMETER

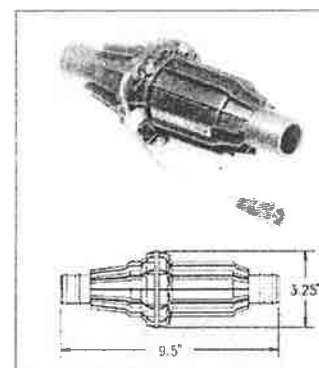
The Raven RFM15 Flowmeter has polypropylene housing and 1 1/4" female ports. It is rated at 1000 kPa (150 psi) and the flow range is 1 l/min to 56 l/min.

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

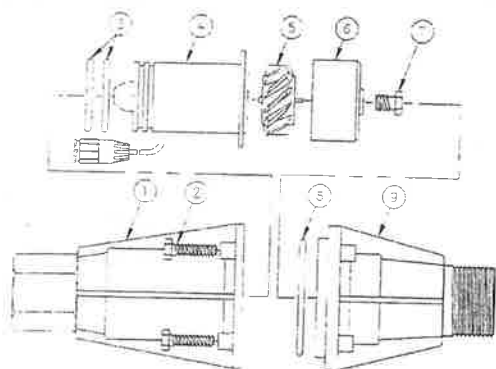
RFM55 FLOWMETER

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

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

RFM55A FLOWMETER



The Raven RFM55 Flowmeter has cast iron housing and 1 1/4" NPT Male ends inlet and 1" NPT Female ends outlet. It is rated at 1200 kPa (175 psi) and the flow range is 3 l/min to 208 l/min.

RFM55A Flowmeter

0630159572

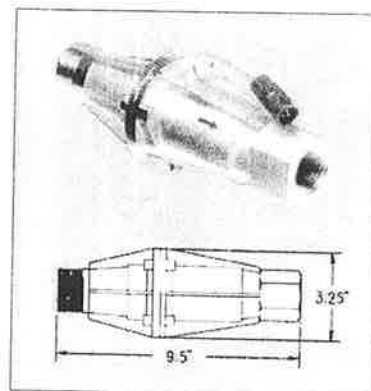
ITEM	DESCRIPTION
1	Sensor Housing
2	1/4-20 x 1 1/4" Bolt
3	O-Ring, Viton (For Chemical)
4	O-Ring, Butyl (For NH3)
5	RFM55 Dual O-Ring Ass'y
6	RFM55 Turbine
7	Turbine Hub/Bearing Ass'y
8	Turbine Stud Assembly
9	O-ring, Viton
10	Hub Housing
11	Mounting Bracket, RFM 55 (Not Shown)

Dual O-Ring Transducer Kit
(Includes Items #3 & 4)

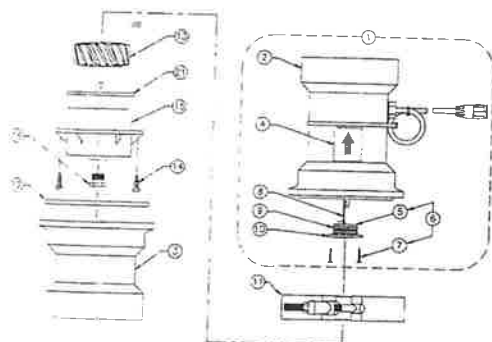
RAVEN PART#

105-0159-002
311-0050-231
219-0002-030
219-0006-030
063-0159-749
117-0159-020
063-0359-563
063-0159-570
219-0000-042
105-0159-001
107-0159-507

117-0159-545



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.

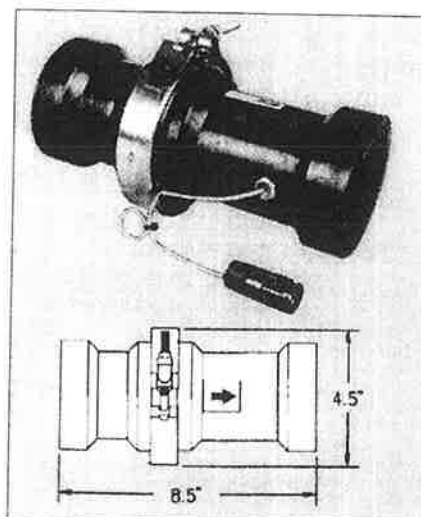
RFM100 Flowmeter

0630171066

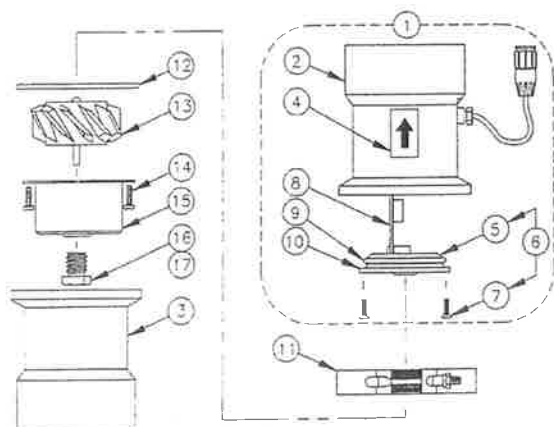
ITEM	DESCRIPTION
1	Outlet Housing Assembly
2	Outlet Housing
3	Hub Housing, Inlet
4	Label, Yellow W/black Arrow
5	End Bearing/P.C. Assembly
6	End Bearing/P.C. Assembly Kit
7	2-5/8 x 1/2" Flat Hd. S.S. Screw
8	P.C. Assembly
9	O-Ring, Viton
10	End Bearing Assembly
11	Retainer Clamp
12	O-Ring, Viton
13	RFM 100 Turbine
14	5/8 x 1/2" Pan Hd. S.S. Screw
15	Turbine Hub/Bearing Assembly
16	Turbine Stud Assembly
17	Thread Sealer (Not Shown)
18	Mounting Bracket, RFM 100 (Not Shown)
19	Hose Clamp (Not Shown)
20	Cable Kit (Not Shown)
21	O-Ring, Viton

RAVEN PART#

063-0171-068
107-0171-006
107-0171-005
039-0159-023
063-0171-069
117-0159-567
311-0013-390
064-0159-913
219-0000-018
063-0171-067
435-3003-032
219-0000-238
321-0000-221
310-0002-133
321-0000-222
063-0171-082
222-1001-016
107-0159-509
435-3003-009
117-0159-441
219-0002-140



RFM200

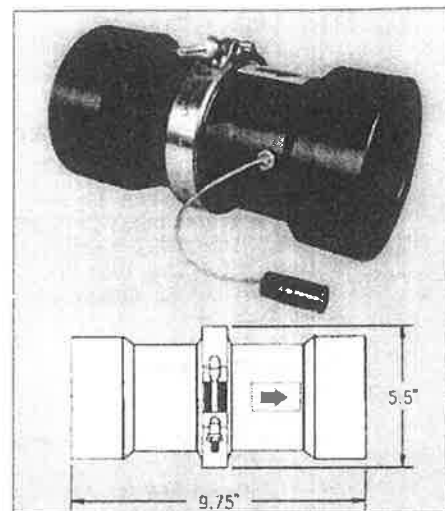


ITEM	DESCRIPTION
1	Sensor Housing Assembly
2	Sensor Housing
3	Hub Housing
4	Label, Yellow W/black Arrow
5	End Bearing/P.C. Assembly
6	End Bearing/P.C. Assembly Kit
7	2-56 x 1/2" Flat Hd. Screw
8	P.C. Assembly
9	O-Ring, Viton
10	End Bearing Assembly
11	Retainer Clamp
12	O-Ring, Viton
13	RFM 200 Turbine
14	4-20 x 1/2" Fan Hd. Screw
15	Turbine Hub/Bearing Assembly
16	Turbine Stud Assembly w/bearing
17	Thread Sealer (Not Shown)
18	Mounting Bracket, RFM 200 (Not Shown)
19	Hose Clamp (Not Shown)
20	Cable Kit (Not Shown)

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.

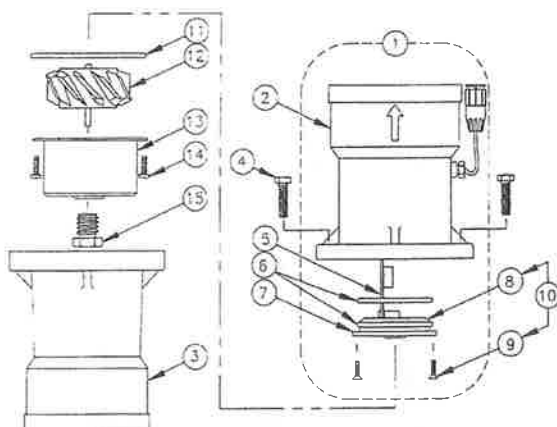
RFM200

0630159751



RAVEN PART#
063-0159-750
107-0159-617
107-0159-618
039-0159-023
063-0159-646
117-0159-428
311-0013-390
064-0159-447
219-0000-040
063-0159-591
435-3003-031
219-0000-052
117-0159-017
311-0008-027
063-0159-564
063-0159-575
222-1001-016
107-0159-509
435-3003-009
117-0159-441

RFM200A

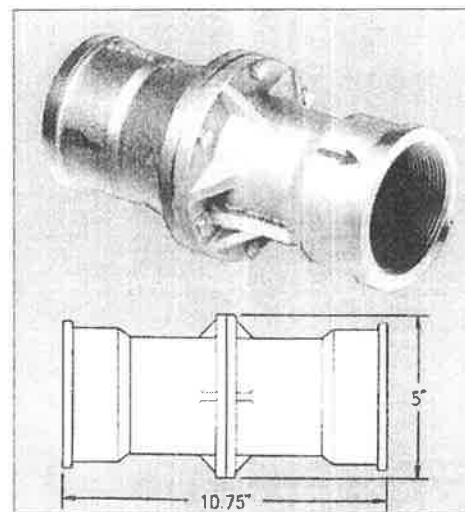


ITEM	DESCRIPTION
1	Sensor Housing Assembly
2	Sensor Housing
3	Hub Housing
4	1/4-20 x 1 Bolt
5	P.C. Assembly
6	O-ring, Viton
7	End Bearing Assembly
8	End Bearing/P.C. Assembly
9	2-56 x 5/16" Stainless Steel Screw
10	End Bearing/P.C. Assembly Kit
11	O-ring, Viton
12	O-ring, Butyl
13	RFM 200 Turbine
14	Turbine Hub/Bearing Assembly
15	Stud W/Bearing
16	Cable Kit (Not Shown)
17	Thread Sealer (Not Shown)
18	Mounting Bracket, RFM 200 (Not Shown)
19	Hose Clamp (Not Shown)

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.

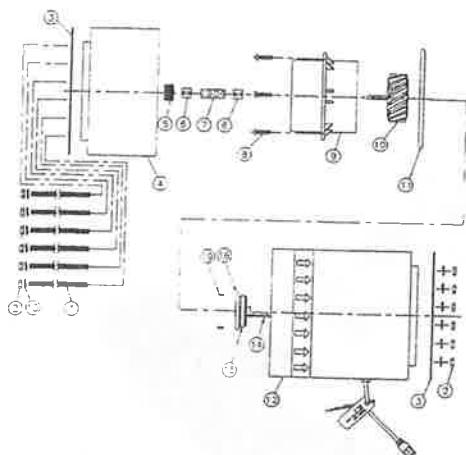
RFM200A Flowmeter

0630159574



RAVEN PART#
063-0159-573
105-0159-004
105-0159-003
311-0050-230
064-0159-447
219-0000-040
063-0159-591
063-0159-646
311-0011-030
117-0159-428
219-0000-052
219-0000-051
117-0159-017
063-0159-564
063-0159-575
117-0159-441
222-1001-016
107-0159-509
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.

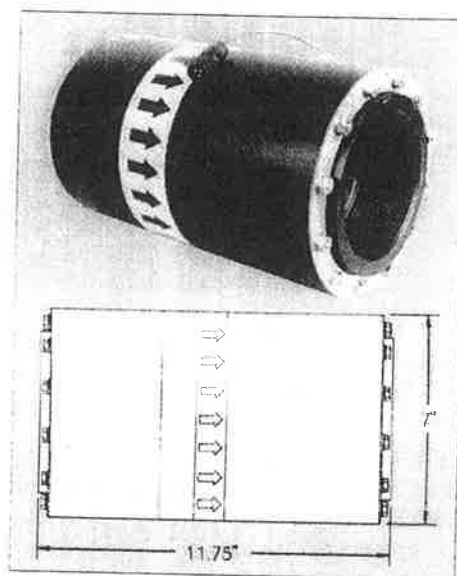
RFM400 Flowmeter

0630159966

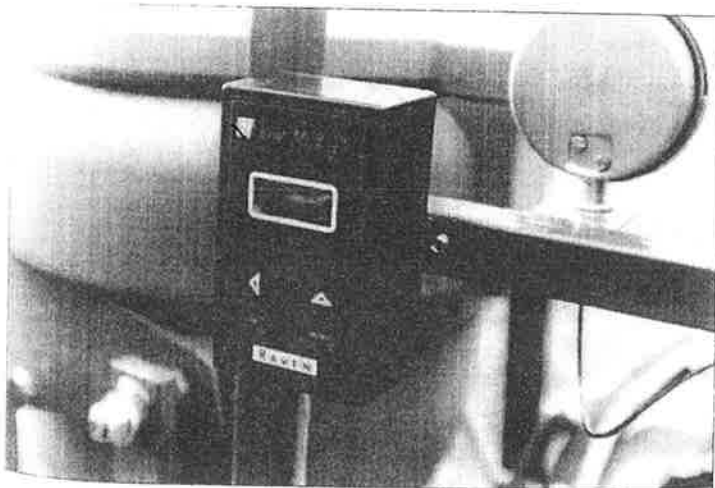
ITEM	DESCRIPTION
1	1/4-20 x 11.6 Thread Rod
2	1/4-20 Nut
3	Head Ring
4	Hub Housing
5	Stud/Bearing Assembly
6	Bushing
7	Spacer
8	10-32 x 5/16 Pan Hd Screw
9	Inlet Hub
10	Rotor
11	Viton O-Ring
12	Sensor Housing
13	Lock Washer
14	PC Assembly
15	O-Ring, Viton
16	End Bearing Assembly
17	End Bearing/PC Ass'y 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
219-0002-155
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.

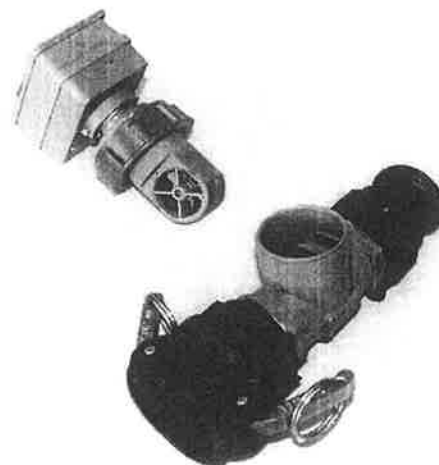
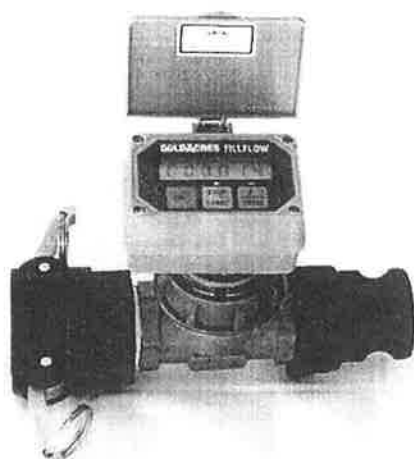
Features include:

- 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

GOLDACRES FILL FLOW METER



GoldAcres Fill Flow

Measure fills and part-fills accurately and easily with the GoldAcres Fill Flow:

- * Connects and disconnects quickly and easily directly into the filling line of the sprayer via cam lever couplings.
- * There's no risk of damage when spraying is in operation.
- * FillFlow can be used for filling tanks for other applications.

Size	Delivery (litres/min)	Max. Pressure (Bar)	Part Number
1 1/2"	35 - 350	20	P112RC-9
2"	72 - 750	20	P2RC-9

(Due to factors beyond our control some variations in measurements may occur)

With nylon construction, stainless steel turbine and ceramic bearings the GOLDACRES FILLFLOW is made to last.

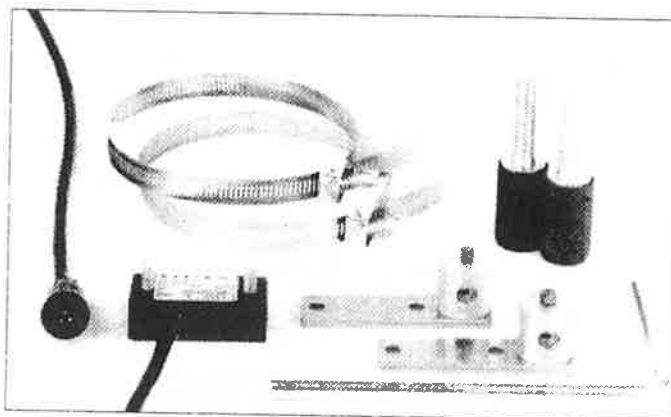
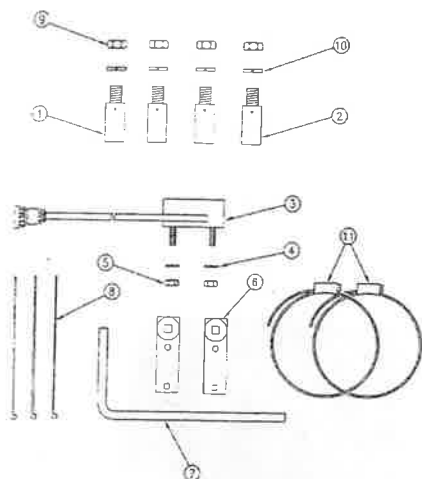
FILLFLOW DISPLAY

- * Easy to read display.
- * Displays volume measured (in litres) or flowrate (in litres per minute).
- * Display powered by a simple 9 volt battery.
- * Battery life: 400 hours of use 8000 hours of life when not used.
- * Automatic shut-off after 5 minutes of no operation.

WITH RAPID CHECK

Rapid check turbine provides for quick access for cleaning - simply unscrew one fitting and the turbine is removed.

WHEEL DRIVE SPEED SENSOR



ITEM	DESCRIPTION
1	Red Magnet Ass'y, North
2	Black Magnet Ass'y, South
3	Sensor Ass'y (21 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
063-0159-438
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.

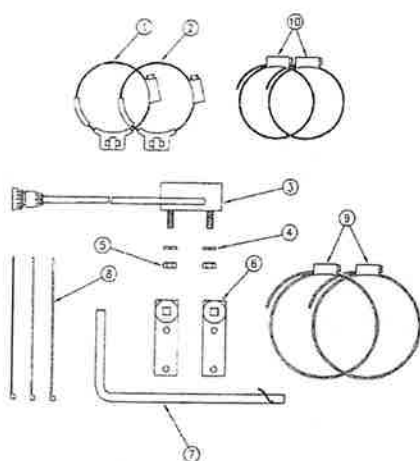
Wheel Drive Speed Sensor
0630159484

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

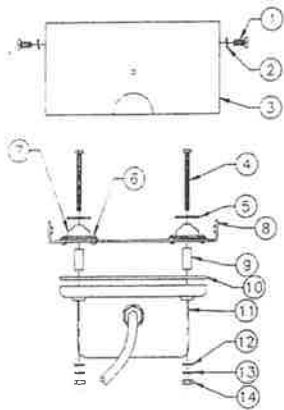
RAVEN PART#

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
1170159710

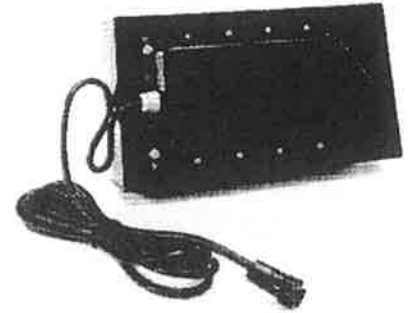
RADAR SPEED SENSOR



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-C14
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

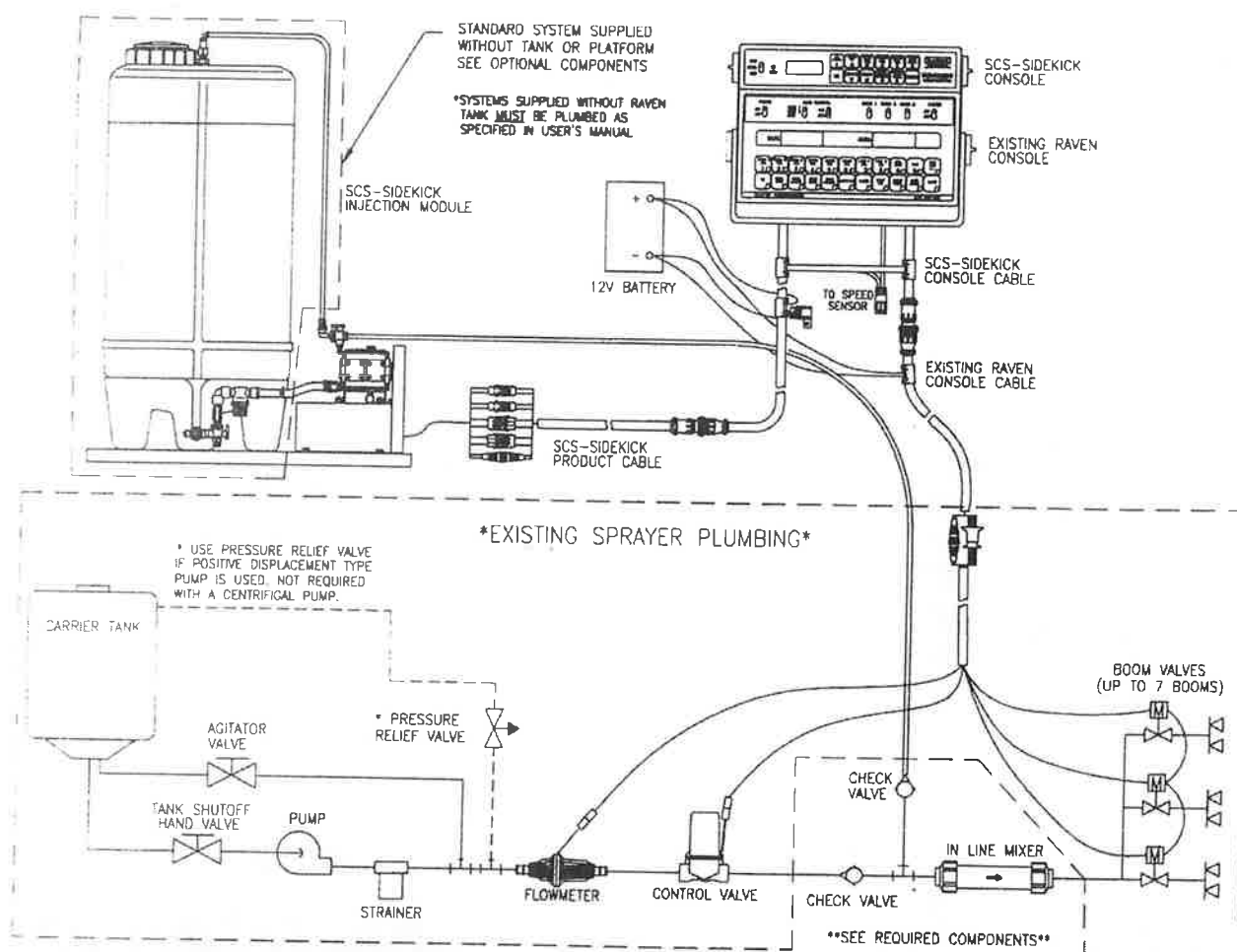
RADAR INTERFACE CABLES

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
Magnavox	Other	1150159526
	John Deere	1150159519
	Other	1150159522 & 1150159436
TRW	Case-IH	1150159432
	Other	1150159522 & 1150159432

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.



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

GOLDACRES LOW PRESSURE ELECTRICAL CONTROL SYSTEM

GOLDACRES ELECTRIC BOOM CONTROL WITH MANUAL PRESSURE REGULATION

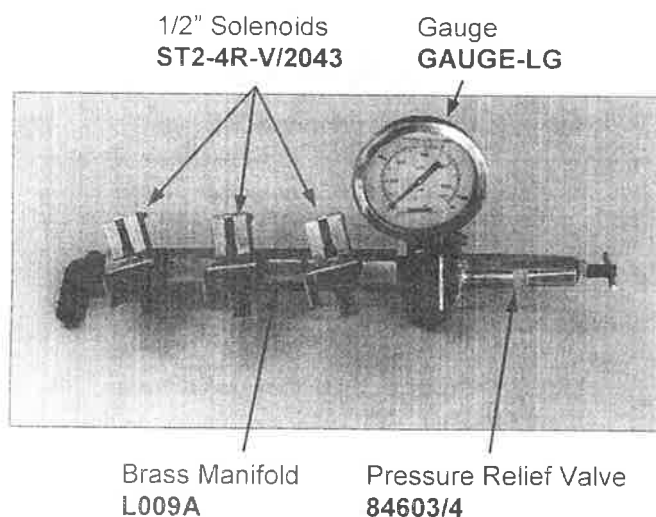
System provides electric remote boom on/off control and manual pressure regulation. Includes control box complete with all necessary cabling, solenoids, manifold, gauge, exhaust clamps and manual pressure regulator.

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



CONSOLE

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



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"

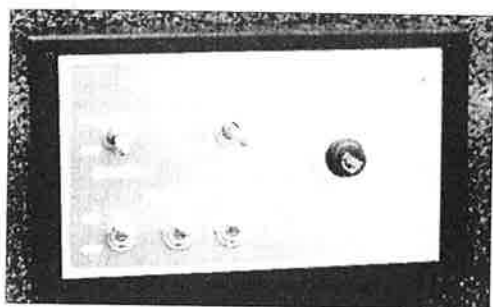
Nylon Fittings to suit

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

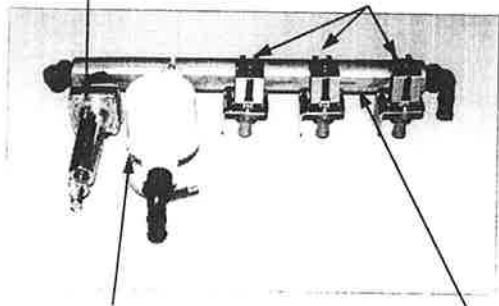


CONSOLE

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

Pressure Relief Valve

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



3/4" Electric Pressure Regulator
0630159001

Brass Manifold
L015A

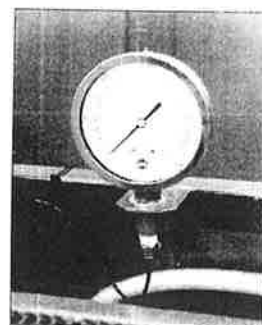
Nylon Fittings to suit

MANIFOLD

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"

Remote mount gauge kit
RMK



GOLDACRES DIRECTOR PRESSURE ELECTRICAL CONTROL SYSTEM

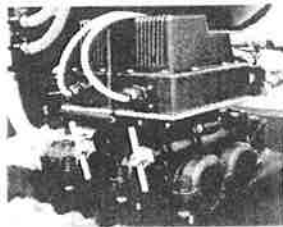
The system provides electric on/off control of each side of the sprayer, and electric pressure adjustment. Includes control box complete with all necessary cabling to the rear of the tractor.



Director control box with fan RPM read out
DIR-CON

* Please advise if double or single row sprayer.

TEEJET MOTORISED BALL VALVE SPRAY LINE CONTROL

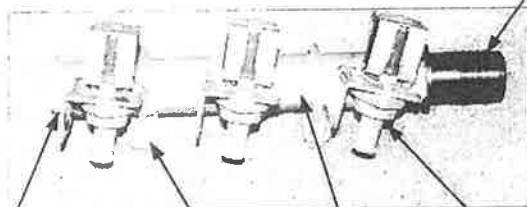


Two-way and Three-way Motorised ball valves

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



3/4" Plug
F34

Exhaust Clamp
C2

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

Manifold (bare)
L009A

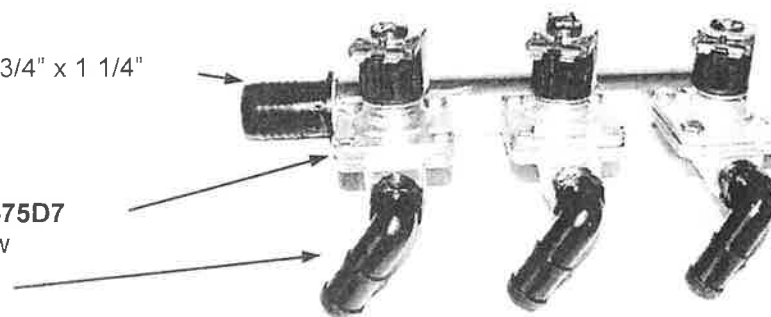
BOOM SHUTOFF MANIFOLD

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

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

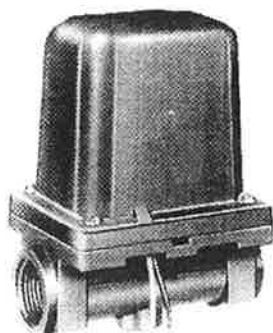
Hose barb 3/4" x 1 1/4"
A34114

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



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

Spraying Systems Pressure Regulating Valves



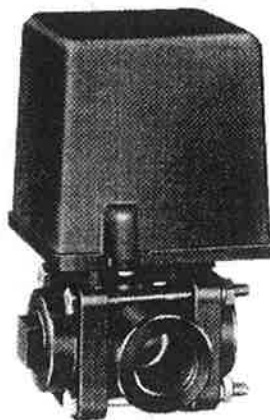
AA244- $\frac{3}{4}$ Remote Control Electric Regulating Valve

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).




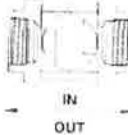
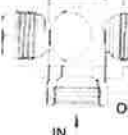
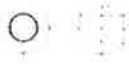


Model AA344E-2PR Linear Pressure Regulating Valve

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		
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 VALVE



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

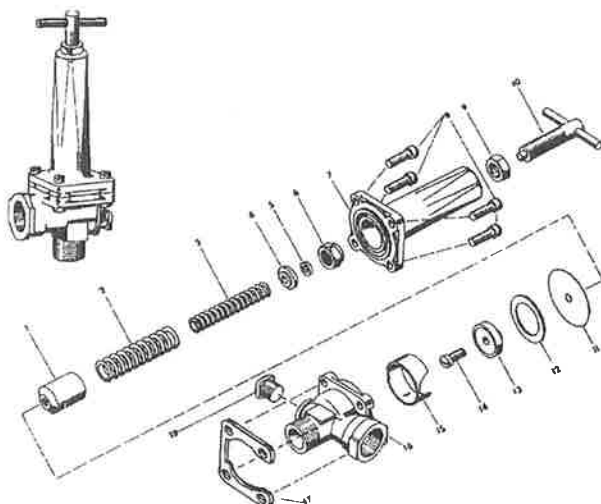
Bypasses excess liquid. Choice of 1/2" and 3/4" NP. Chemical-resistant diaphragm seals off operating pressure contact with chemicals and remains resilient for chat responsive pressure control.

Able to limit maximum obtainable system pressure.

FEATURES:

- ~ Stainless steel springs, responsive to the pressure of each valve.
- ~ Extra-large valve passages to handle full flow from line.
- ~ Positive lock nut to hold adjustment screw firmly in. Not affected by jarring and vibration.
- ~ Made of quality materials - choice of brass, aluminum, 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	Up to 20 bar
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"



ITEM	PART NO.	DESCRIPTION
1	CP8367-AL	Guide Sleeve, Aluminum
2	CP8373-SS	Outside Spring, Stainless Steel (For 8460--300)
3	CP13128-SS	Outside Spring, Stainless Steel (For 8460--50)
4	CP8374-SS	Inside Spring, Stainless Steel (For 8460--300)
5	CP8371-AL	Spring Retainer, Aluminum
6	CP8369-NYB	Washer, Nylon (Black)
7	CP8368-SS	Adjusting Nut, Stainless Steel
8	CP8362-AL	Bonnet, Aluminum
9	CP7688-IZP	Screw, Steel, Zinc Plated (4 Required)
10	CP5898-AL	Lock Nut, Aluminum
11	CP5896-ALSS	Adjusting Stem (Sub-Assembly)
12	CP8366-FA	Diaphragm, Fairprene
13	CP8365-304SS	Stop Ring, Type 304 Stainless Steel
14	CP8364-NYB	Back Up Seat, Nylon (Black)
15	CP8477-SS	Screw, Stainless Steel
16	CP8389-304SS	Chamber Insert, Type 304 Stainless Steel
17	CP8361-1/2-NYB	Body, Nylon (Black) For 8460-1/2
18	CP8361-3/4-NYB	Body, Nylon (Black) For 8460-3/4
19	CP9017-IZP	Clamp Plate, Steel, Zinc Plated
20	B400-1/4-PPB	Pipe Plug, Polypropylene (Black)

SOLENOIDS (for boom shut-off)

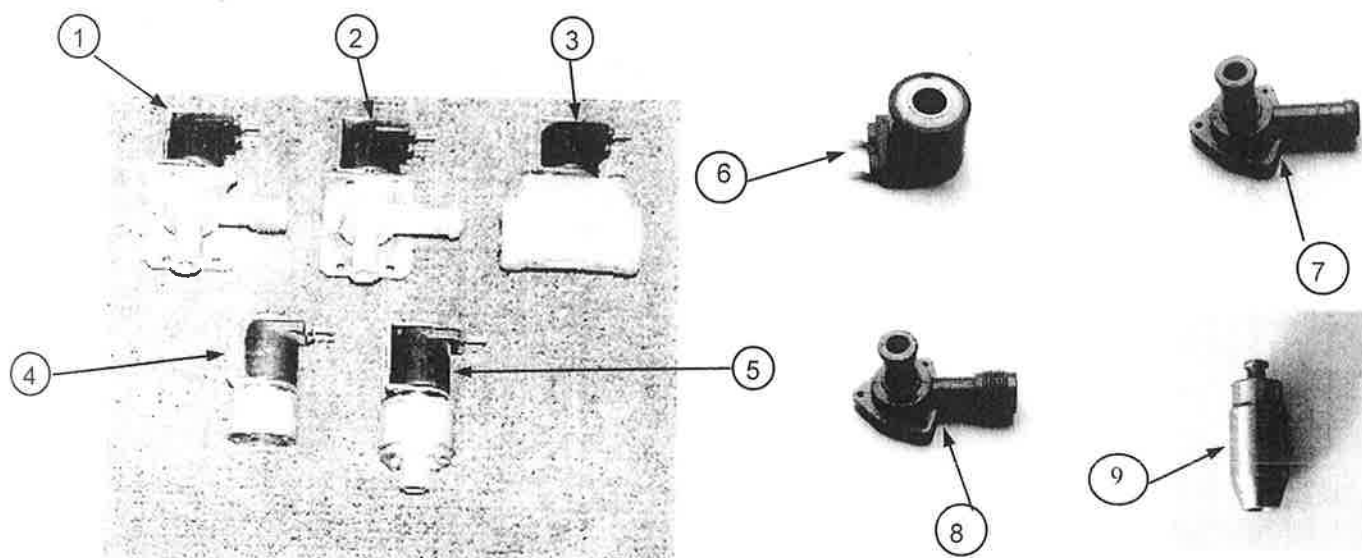
The pilot-operated solenoids provides for simple and effective boom shut-off.

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.

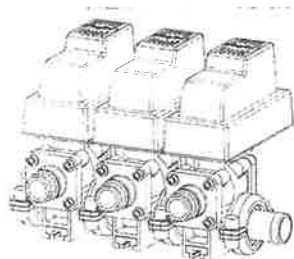


POSITION NO.	DESCRIPTION	SIZE	PART NO.	TO SUIT:	REPAIR KIT PART NO.
1	12VDC Solenoid - Thread/Barb	1/2"	ST2-4R-V/2043	Electric Controls	M1682
2	12VDC Solenoid - Barb/Barb	1/2"	ST2-HR-V/1833	Electric Controls	M1682
3	12VDC Solenoid	3/4"	12QW2-CNBVT-75D7	Electric Controls	KM3061
4	12VDC Liquid Solenoid	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"	G10162	1/2" Solenoid	-
9	Plunger to suit 12QW2 solenoid	-	G611454	3/4" Solenoid	-

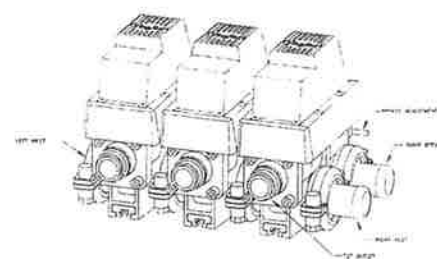
MOTORISED BALL VALVES

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

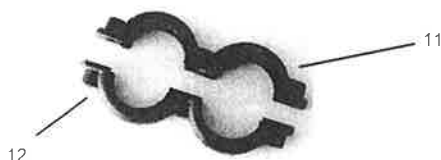
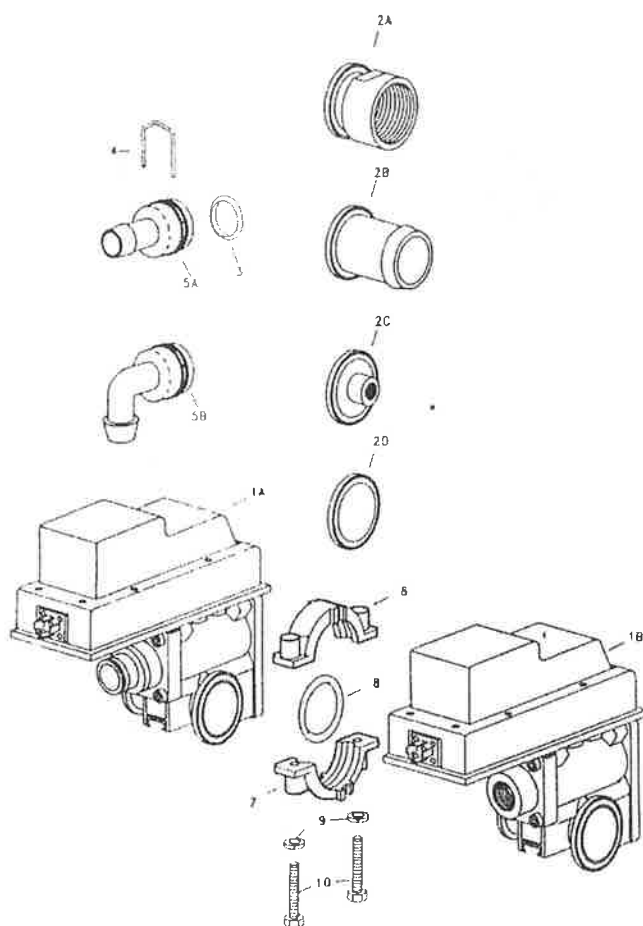
The valves are available in a two way or three way configuration. The three-way ball valves include a throttling for bypass when the valve is closed. This feature reduces the pressure spikes that can be experienced with a 1 way valve (shown below).



Model 460 two-way motorised ball valve



Model 460 three-way motorised ball valve



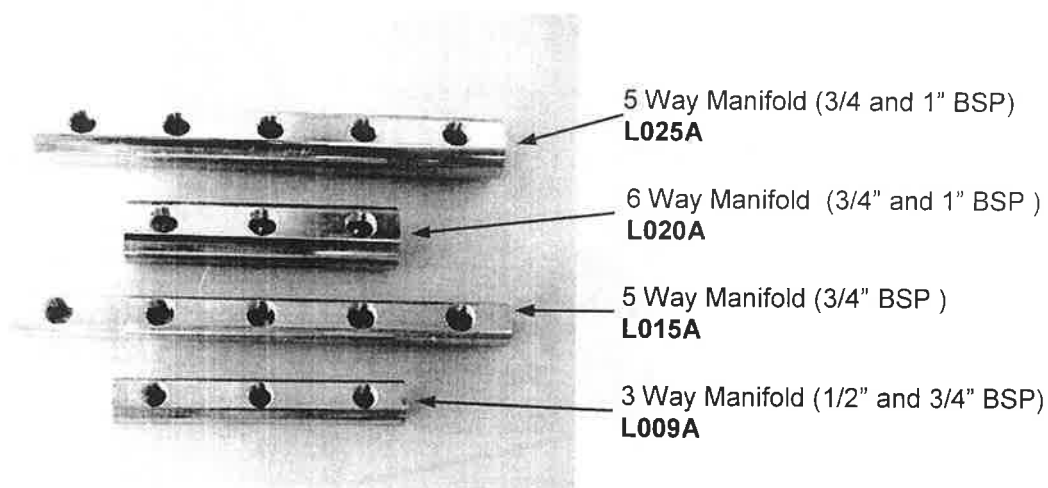
POS. NO.	PART NO.	DESCRIPTION
2A	CP45512-NYB	1 1/4" Threaded inlet
2B	CP45504-NYB CP45505-NYB CP45506-NYB	1" Straight hose barb inlet 1 1/4" Straight hose barb inlet 1 1/2" Straight hose barb inlet
2C	CP45508-NYB	1/4" Threaded inlet
2D	CP45507-NYB	Blank inlet
3	CP7717-2/120-VI	Viton o'ring
4	CP37166-1-302SS	302 Stainless steel clamp
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 outlet 3/4" Elbow hose barb outlet 1" Elbow hose barb outlet
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)



EXHAUST CLAMPS

SIZE	TO SUIT:	PART NO.
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	C4



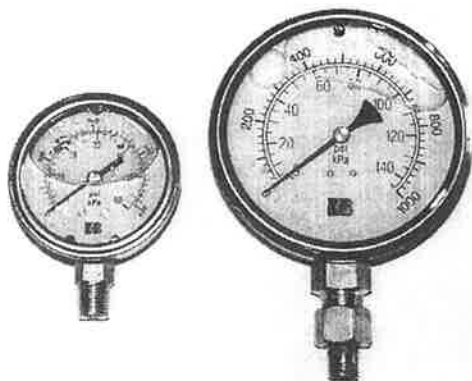
GLYCERINE FILLED GAUGES

100ml Large Face 150 psi / 1000 kPa 1/4" BSP Thread
 63ml Small Face 150 psi / 1000 kPa 1/4" BSP Thread

GAUGE-LG
 GAUGE-SM

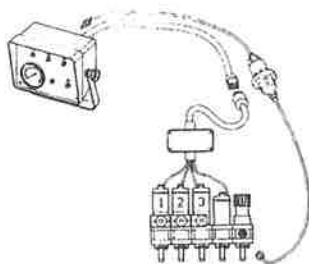
OTHER OPTIONS AVAILABLE ON REQUEST

CONNECTIONS: 1/4" BSP



* 63 mm rear entry gauges also available

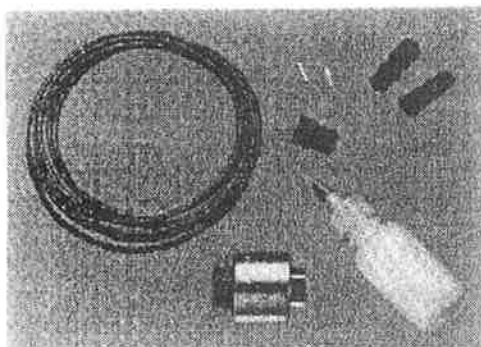
GAUGE PROTECTOR / ISOLATOR KIT



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

Gauge Isolator Kit **466350**

Available in 1/4" BSP fittings to either 1/8" or 1/4" hydrostatic flexible tubing - please specify (see tab 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 1 3/16" (22 mm) hole in up to 14 gauge (0.078"/2 mm) material.
- Available with 1/8" or 1/4" NPT connections.
- The kit includes instructions, necessary hardware required to install the gauge isolator. Also comes with a filling bottle.
- Materials exposed to chemicals are Viton and Acetal.

How to order:

Example: 23800A-1/8" or
 23800A-1/4"

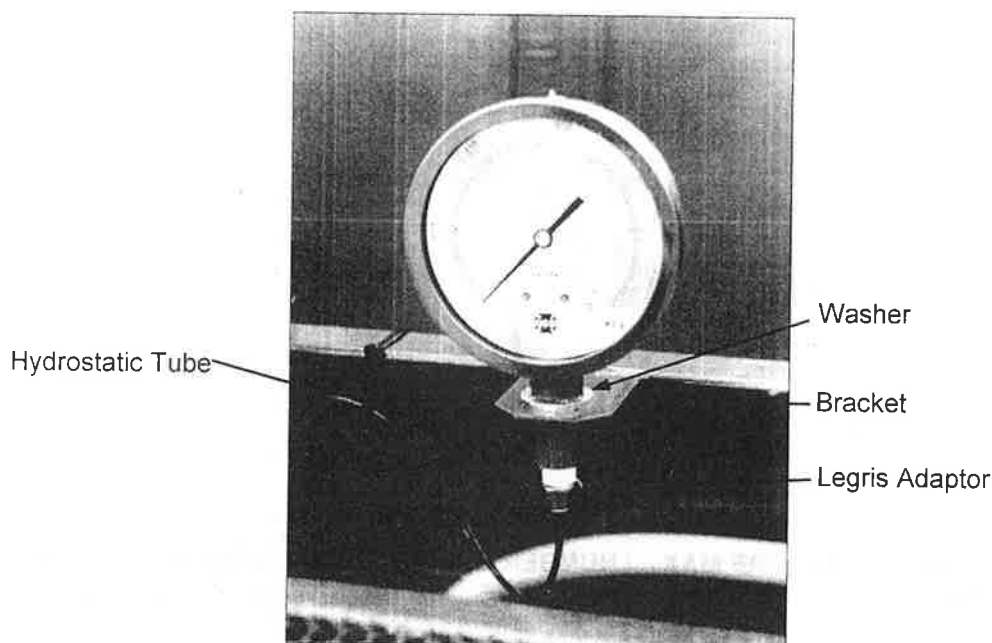
REMOTE MOUNT GAUGE KIT

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 46)

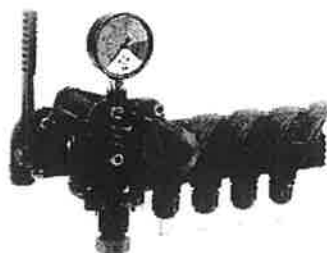


PART NUMBER	DESCRIPTION	QUANTITY
3570	Washer	1
BRK-RMK	Bracket	1
31755313	Legris Adaptor 1/4"M x 1/8" Tubing	2
E1000-02BL	Hydrostatic Tube 1/8"	2M
26-1/4	Hex. Socket Female 1/4"	1
E1000-04BL	Hydrostatic Tube 1/4"	
Also available...	Legris Adaptor 1/4" Tubing	
	Legris Joiner 1/4"	
	Legris Joiner 1/8"	

UDOR CONTROL SYSTEMS



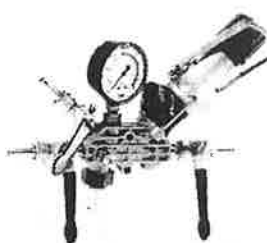
SB



SL



CB



DS 2/3/4

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.

3-Way SB Control

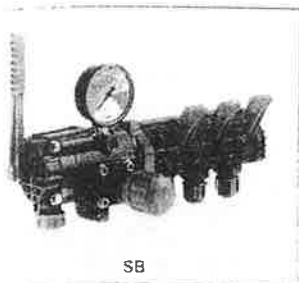
SB/3

4-Way SB Control

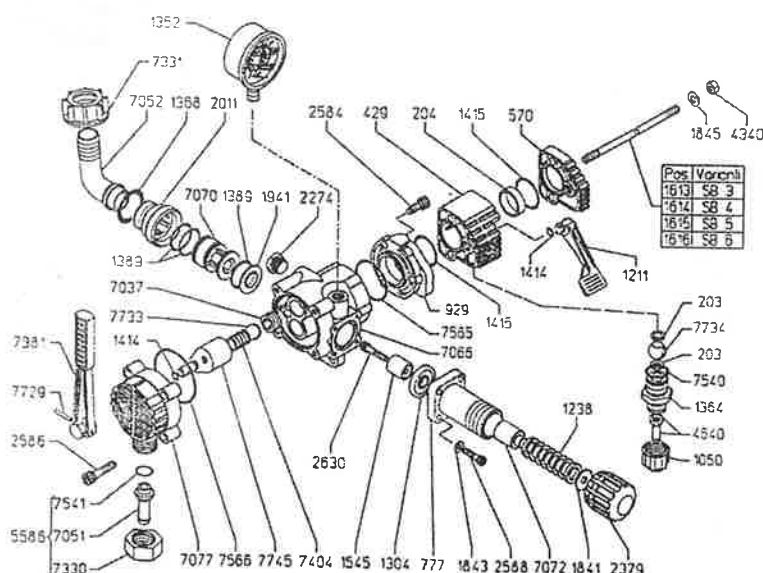
SB/4

5-Way SB Control

SB/5



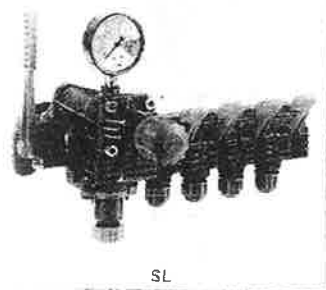
SB



Pos	Varianti
1613	SB 3
1614	SB 4
1615	SB 5
1616	SB 6

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

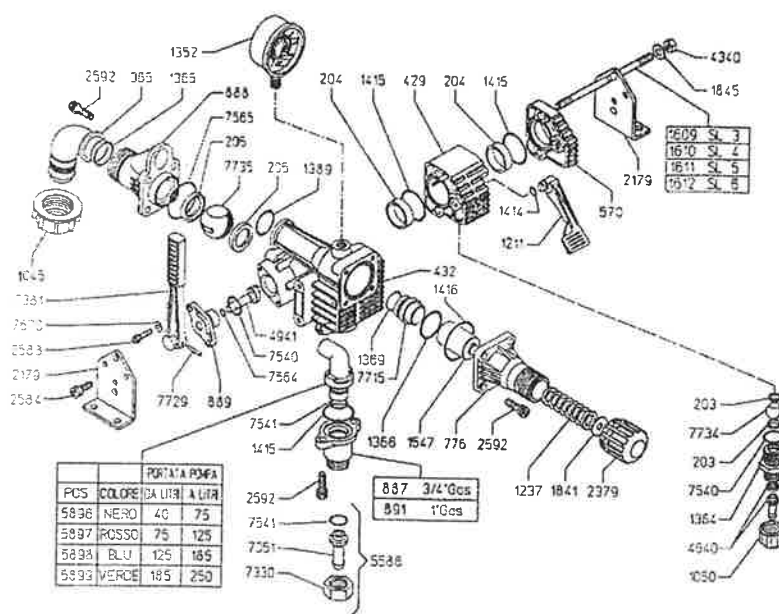
4-Way SL Control

SL/4

5-Way SL Control

SL/5

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

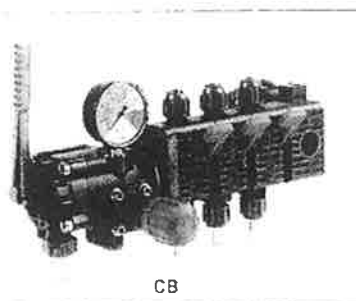


PCS	COLORE	DA LITRI	A LITRI
5896	NERO	40	75
5897	ROSSO	75	125
5898	BLU	125	185
5899	VERDE	185	250

887	3/4" GOS
891	1" GOS

1609	SL 3
1610	SL 4
1611	SL 5
1612	SL 6

UDOR CONTROL SYSTEMS

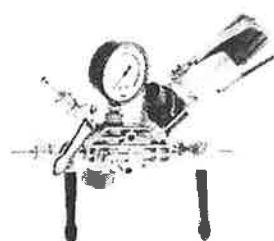
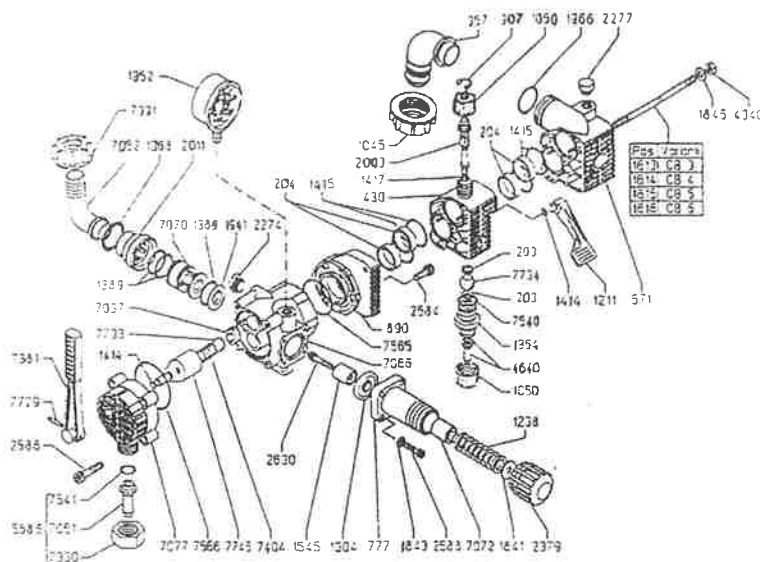
**CB**

Udor CB control has manual pressure and boom section control and dump. Provides for constant pressure when shutting off individual boom sections. handle a maximum pump delivery of 120L/min and maximum pressure of 2. Available with three, four or five outlets and comes complete with gauge.

3-Way CB Control

4-Way CB Control

5-Way CB Control

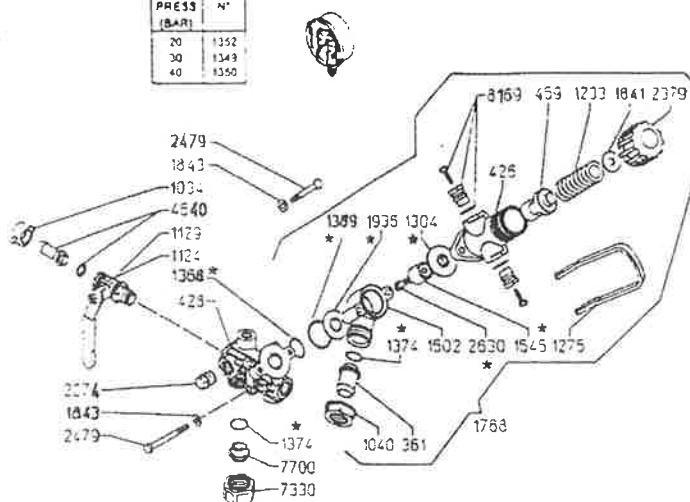
**DS**

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
3-Way DS Control

DS2
DS3

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



KIT 552		
COOKE CODE	Q.TA Q.TY	
1304	1	
1368	1	
1375	2	
1374	2	
1369	1	
1545	1	
1936	1	
2630	1	

* Only sold i



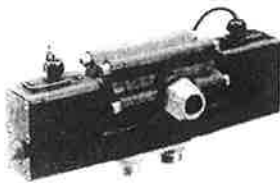
Ola

HIGH PRESSURE ORCHARD SPRAYER CONTROLS



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

006001



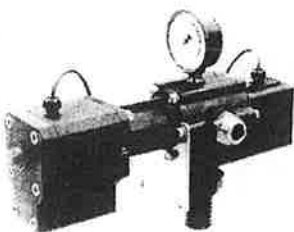
Two way electric control for shut-off valve.

465100



Manual pressure regulating valve with electric bypass.

465005



Electric pressure regulating valve with electric bypass.

465015

T 554
E Q.TA'
Q.TY
1
1
2
1
1
1

seat as

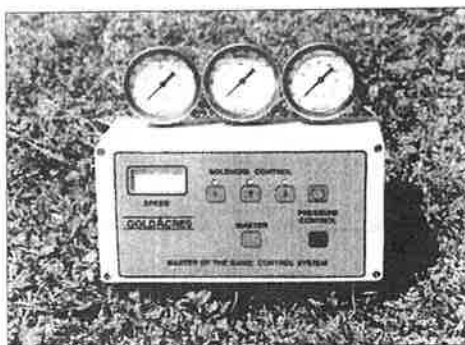
MASTER OF THE GAME CONTROLS

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

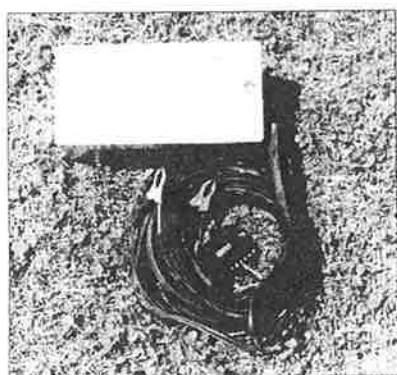
If there is a problem with the MOG front panel (or the pressure transducer on Mark II), Goldacres operates a changeover policy. Goldacres will exchange a changeover panel for the panel to be repaired, so that there is a minimum delay for spraying. Do not send the whole control box. Unscrew the four screws 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.

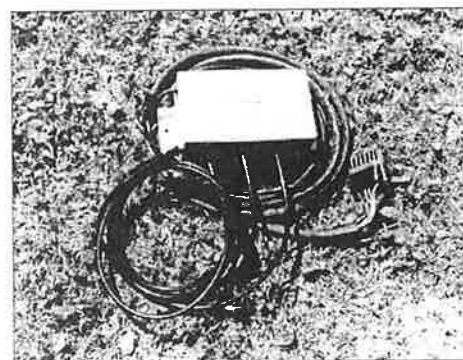
NOTE: When receiving a changeover MOG panel, make sure the dip switches are set the same as on the previous panel.



Master of the Game control panel "Mark 1"



Master of the Game control panel "Mark II"



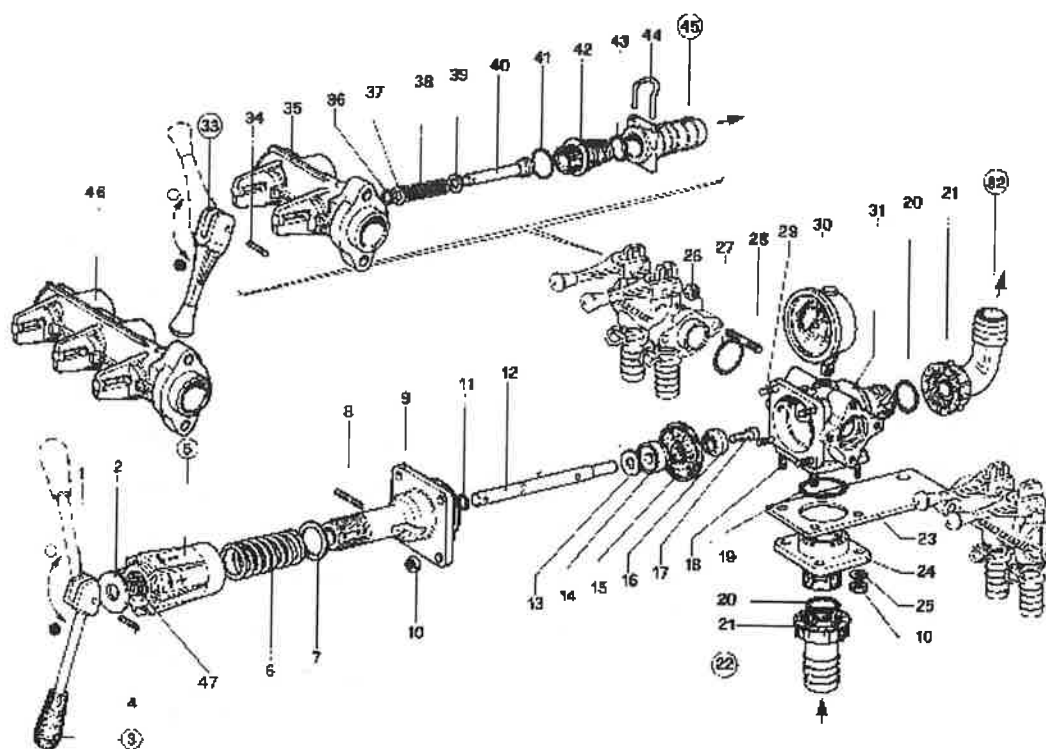
PRESSURE TRANSDUCER

Converts liquid pressure to an electronic pressure displayed on the Mark II MOG panel. Mounted on

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

MOGCO
MOGCO
E1000-02BL
310653
31755313

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 inv.	1
4	39/150	Spina elastica Ø 8 x 25	1
5	39/224	Manopola regolazione verde	1
6	39/223	Molla	1
7	39/251	Rondella molla	1
8	39/197	Spina classica Ø 8 x 40	1
9	39/221-1	Corpo molla	1
10	39/44	Carlo 8 MA H 8	8
11	80/56	OR Asta	1
12	39/245	Asta	1
13	39/148	Rondella pistoneiro	1
14	39/244	Pistoneiro	1
15	39/74	Membrana	1
16	39/243	Valvola	1
17	68/56	Vite T.D.E.I. 8 MA x 15	1
18	39/233	Prigioniero 8 MA x 20	1
19	39/20-1	OR Flange Ø 36,34 x 2,62	1
20	65/35	OR Girello Ø 23,6 x 2,02	2
21	65/24-2	Girello	2
22	55/21	Tubo Ø 25	1
23	38/237	Staffa	1
24	39/230-1	Flangia aerea inserto	1
25	55/33-1	Rosetta Ø 6,5	4

ECOSTANT

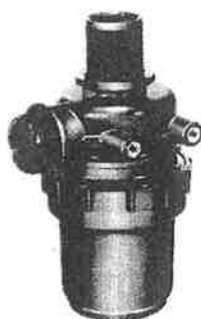
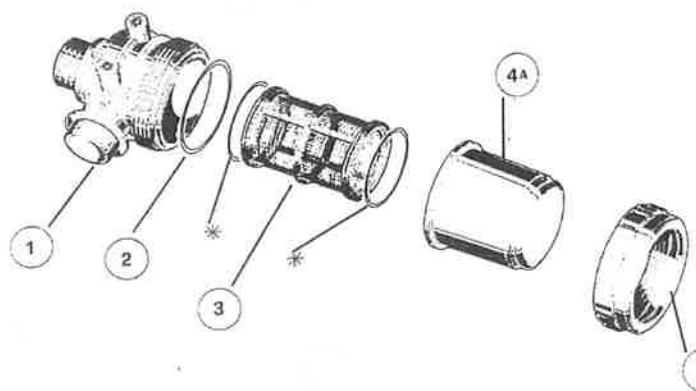
N. posiz.	N. d'ordine	DENOMINAZIONE	N. pezzi
26	39/27	Dado 8 MA H 6,5	4
27	39/29	OR Rubinetto Ø 25 x 3	2
28	39/232	Prigioniero 8 MA x 30	4
29	39/222	Prigioniero 8 MA x 26	4
30	39/38	Manometro glicerina scala 0-25	1
31	39/240	Corpo principale	1
32	55/57	Clava Ø 25	1
33	39/35-1	Leva	4
34	39/33	Spina leva Ø 3 x 20	2
35	39/133	Corpo 2 rubinetti	2
36	39/54-1	OR Valvola Ø 5 x 2	4
37	39/31-2	Rosetta OR Ø 8 x 12 x 1	4
38	39/30	Molle	4
39	39/31-3	Rosetta valvola	1
40	39/32-3	Valvola	4
41	18/10-1	OR Nipples Ø 17,5 x 2	4
42	39/280	Vipera	4
43	64/7	Oil Nipples Ø 13,95 x 2,62	1
44	39/258	Rocella	4
45	39/287	Portagomma Ø 10	4
46	39/259	Portagomma Ø 12	4
47	39/262	Portagomma Ø 20	4
48	39/26-3	Corpo 3 rubinetti	1
49	80/45	Molla	1

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
*		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)**

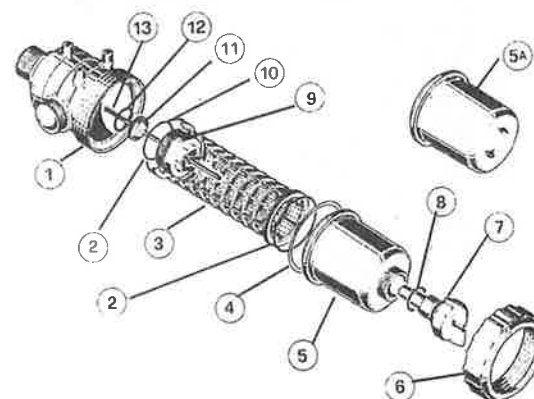
POS.	PART NUMBER	DESCRIPTION
1	314160.010	Suction filter body 1 1/2"
2	314300.060	O Ring 71.1x2.6
3	314003.030	Blue screen 80x165 (50 mesh)
3	3140035.030	Grey screen 80x165 (80 mesh)
4	314000.050	O Ring 94.6x5.3
5A	314000.020	Suction filter bowl
5	314400.020	Suction filter bowl valve version
6	314000.040	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.

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

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

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

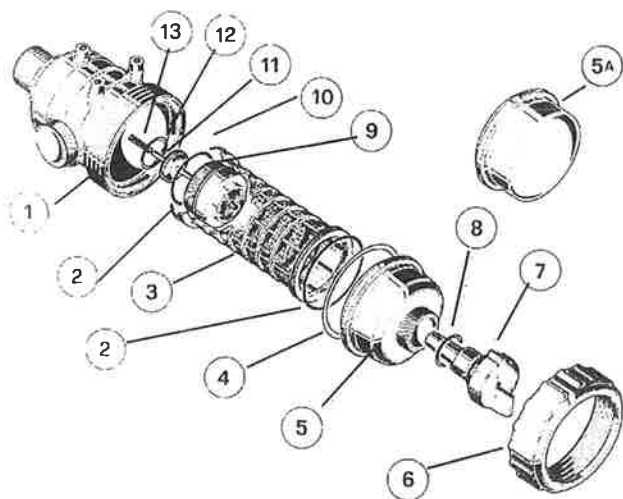
For Orchard Sprayers.

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

Figure 1



Figure 2

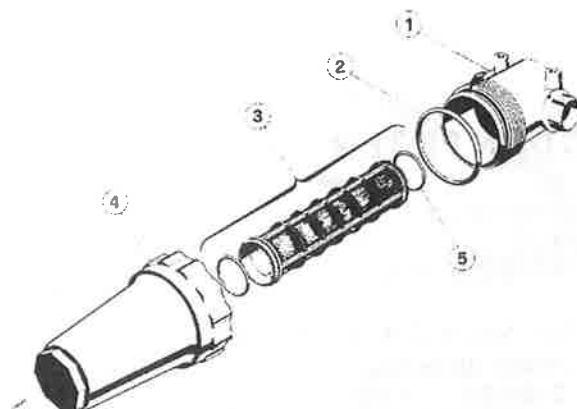


POS.	PART NUMBER	DESCRIPTION
1	316060.010	Suction filter body 1 1/2"
2	316300.060	O Ring 101.3x2 6
3	316003.030	Blue screen 106x200 (50 mesh)
3	3160035.030	Grey screen 106x200 (80 mesh)
4	316000.050	O Ring 126 4x7
5A	316000.020	Suction filter bowl
5	316400.020	Suction filter bowl valve version
6	316000.040	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

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

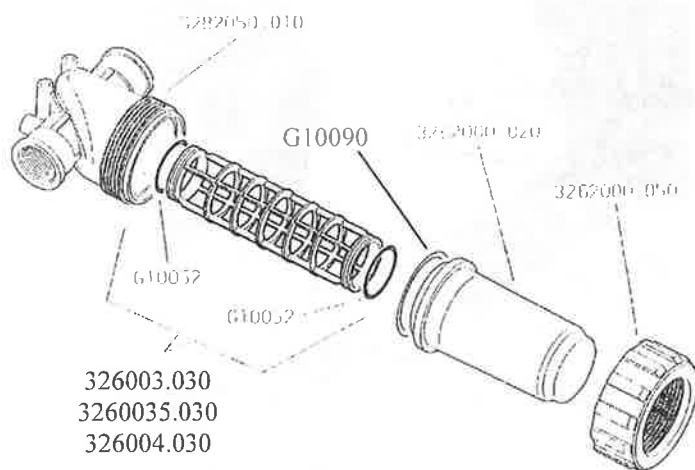
Pos No	Part No	Description
1	328050.010	In-line filter body 1 1/4" F
2	326000.040	O ring 82x5.3 large line filter bo
3	326003.030	Blue screen 58x210 (50 mesh)
3	326004.030	Red screen 58x210 (100 mesh)
4	326000.020	Large in-line filter bowl
5	G10052	O ring 39.6x3.53

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

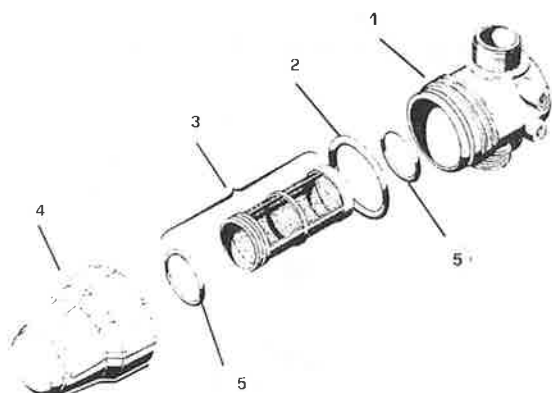


GOLDACRES PRESSURE FILTERS

324 PRESSURE FILTER 1/2"

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

324 1/2" Pressure filter

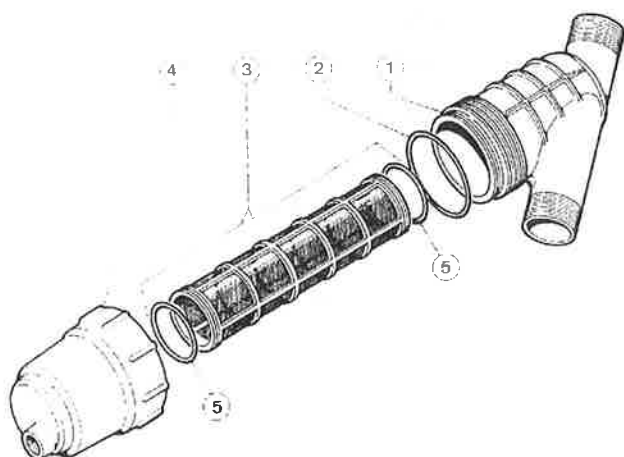


POS	PART NO.	DESCRIPTION
1	324020.010	In-line filter body 1/2" F
2	322000.040	O ring 51x3.5 small in-line filter body
3	322003.030	Blue cartridge 38x89 (50 mesh)
3	322004.030	Red cartridge 32x89 (100 mesh)
4	322000.020	Small in-line filter bowl
5	322000.050	O ring 28.2x2.6

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

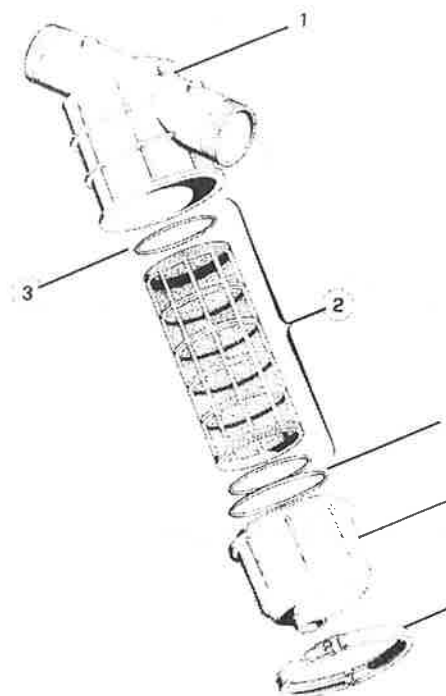
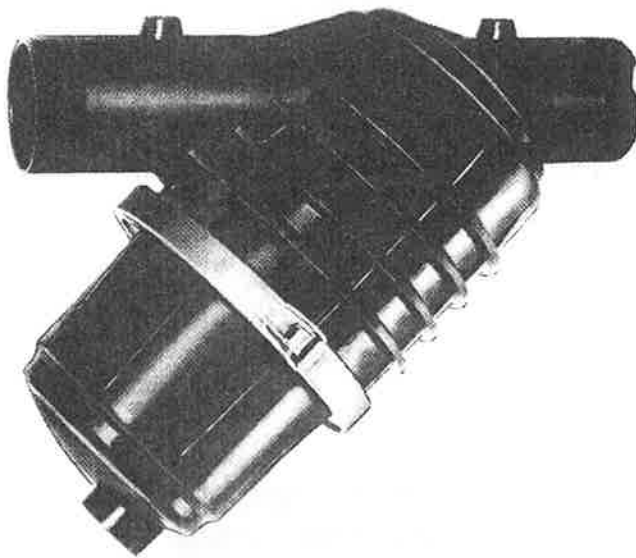
GOLDACRES PRESSURE FILTERS

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

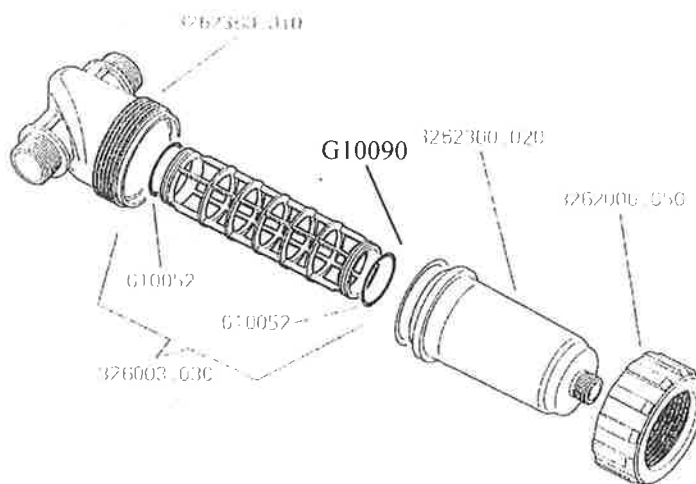
GOLDACRES FLUSH FILTERS

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

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

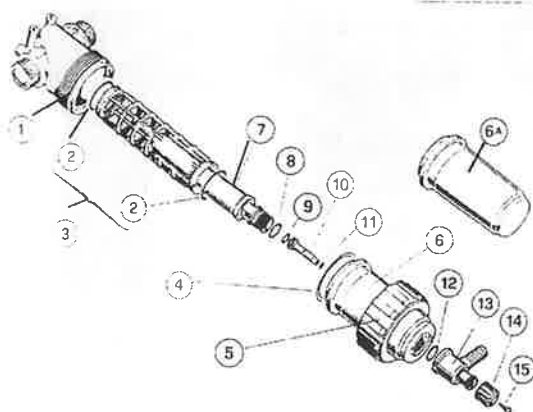
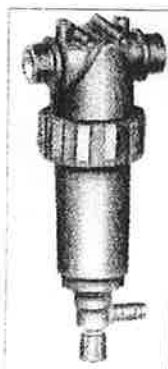
3262363 1 1/2" Flush filter
(50 Mesh)

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., 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
	Pipe Conn.	Mesh Size	Part Number	Full Area cm ²					
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
		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
		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
		50	CP16903-4						
		80	CP16903-5						
AA124-1 1/4-NYB	1 1/4"	30	CP15941-2	264	CP15016-1 1/4-NYB	CP15017-NY	CP12291-BU CP12291-VI (Optional)	0.57	230
		50	CP15941-3						
		80	CP15941-4						
AA124-1 1/2-NYB	1 1/2"	30	CP15941-2	264	CP15016-1 1/2-NYB	CP15017-NY	CP12291-BU CP12291-VI (Optional)	0.57	260
		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			

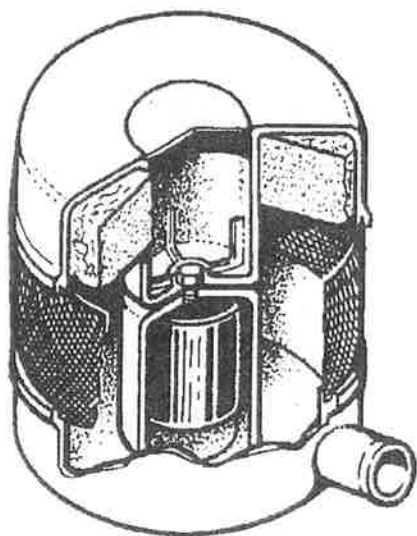
**AA122-#-PP**

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



Cut-Away
3/4" to 1 1/2"
(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

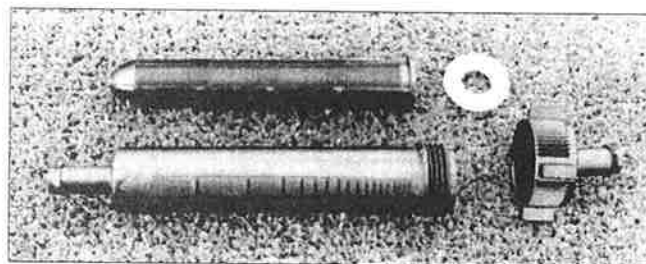


Foot Valve
504015

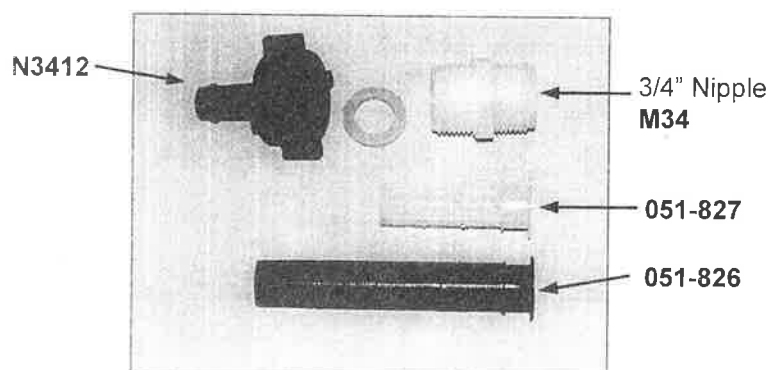
IN-LINE 1/2" FILTER

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.

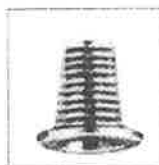
TeeJet Strainer Number	Strainer Body & Cap Material	Mesh Screen Material
5053*	Brass	Stainless Steel
8079-PP*	Polypropylene	Stainless Steel
5053-AL*	Aluminum	Stainless Steel
6051-SS*	Stainless Steel	Stainless Steel
19845-PP*	Polypropylene	Polypropylene

* 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 Strainer

Stainless steel construction. (C) of 50, 100 and 200 mesh screen

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.

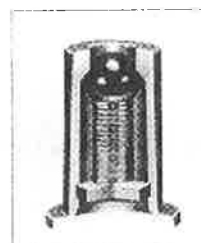
Note: Use of these ball check valves results in pressure drop of 0.35 - 0.7 bar depending on spring rating.

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

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

No. 11750 TeeJet® Check Valve

For larger capacity TeeJet® nozzles where strainers are required. Ball check opens at 0.7 bar, 0.7 bar spring also available. Recommended for flow rates 1.5 to 5.7 L/min. Made in construction of stainless steel, ball and spring of stainless steel, ball and spring of stainless steel.



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 SUPA EXACTA FOAM MARKERS

Goldacres Supa Exacta Foam Markers are equipped for remote operation with the compressor box mounted on the sprayer. The Supa Exacta can generate up to twice as much foam as the Exacta, ideally suited to warmer areas where foam longevity is effected, and when high spraying speeds are used.

EX50S-SUP	45L Single sided
EX50D-SUP	45L Double sided
EX100S-SUP	100L Single sided
EX100D-SUP	100L Double sided
EX180D-SUP	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.

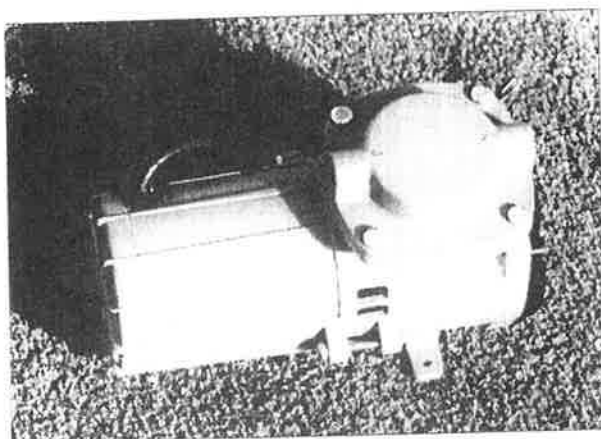
STD25-12S	Single sided 25L for 12M
STD50-12S	Single sided 50L for 12M
STD25-12D	Double sided 25L for 12M
STD50-12D	Double sided 50L for 12M
SOLVREMS	Switch for Remote Operation - Single sided
SOLVREMD	Solenoid valves & control box for Remote Operation - Double sided

GOLDACRES FOAM CONCENTRATE

Available in 5 Litre and 20 Litre containers.

FOAM	5L Foam concentrate
FOAM20	20L Foam concentrate

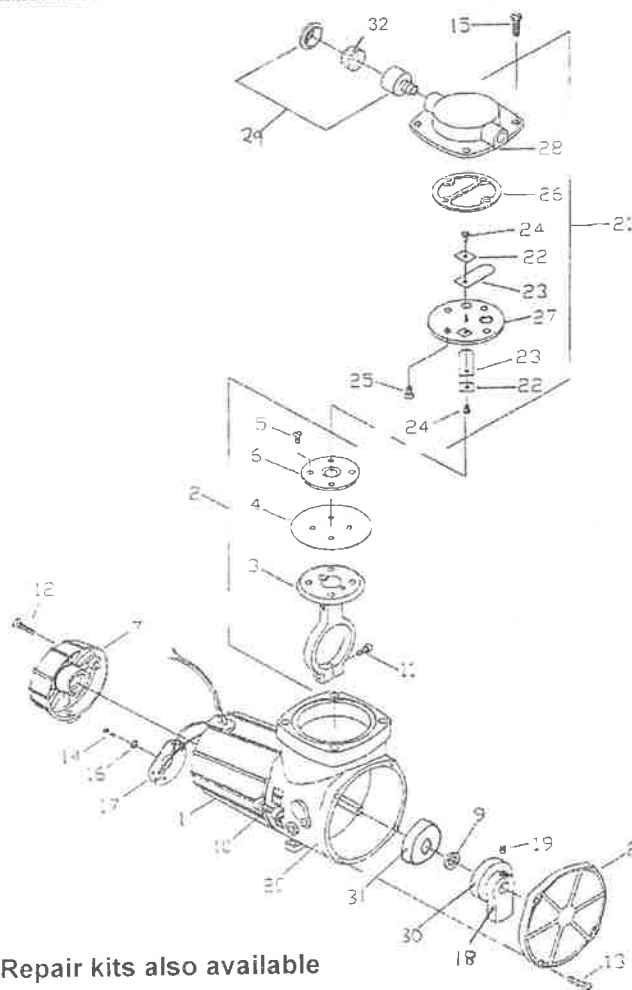
GOLDACRES FOAM MARKER COMPRESSOR



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

107CDC20

Bare compressor



Repair kits also available

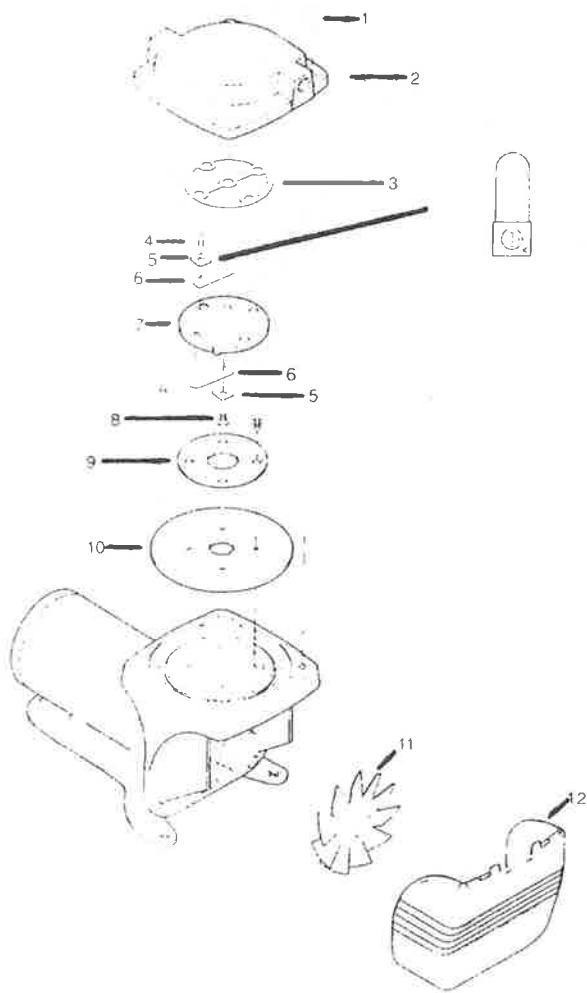
KIT NO.	PARTS INCLUDED	DESCRIPTION
650293	4, 23 (X2), 32, 26, 15 (x4), 22 (x2), 25 (x4), 24 (x2), 27	Service kit comprising diaphragm, flapper valves, gasket and screws.
660873	28, 4, 23 (X2), 26, 22 (x2), 25 (x4), 24 (x2), 27	Head assembly, comprising valve plate, head, flapper valves and screws.

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



PARTS ORDERING INFORMATION

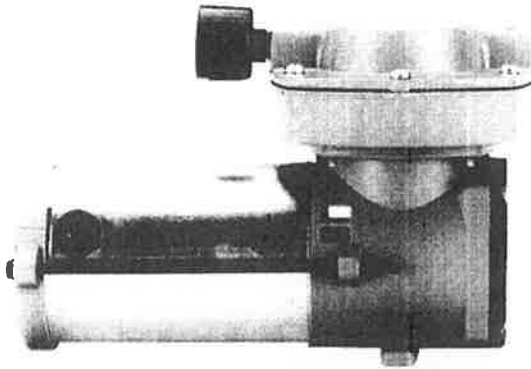
Ref. No.	Description	Part Qty	Model#
1	Head Screws	4	SCR1001
2	Head	1	HDC1003
•3	Head Gasket	1	ACC1018
•4	Intake Valve Screw	1	SCR1017
•5	Retainer Valve	2	AF795
•6	Valve	2	AF819A
7	Valve Plate	1	VPL1003
•8	Exhaust Valve Screw	1	SCR1015
9	Retainer Plate	1	RPL1001
10	Diaphragm (Neoprene mat'l)	1	DPH1001
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

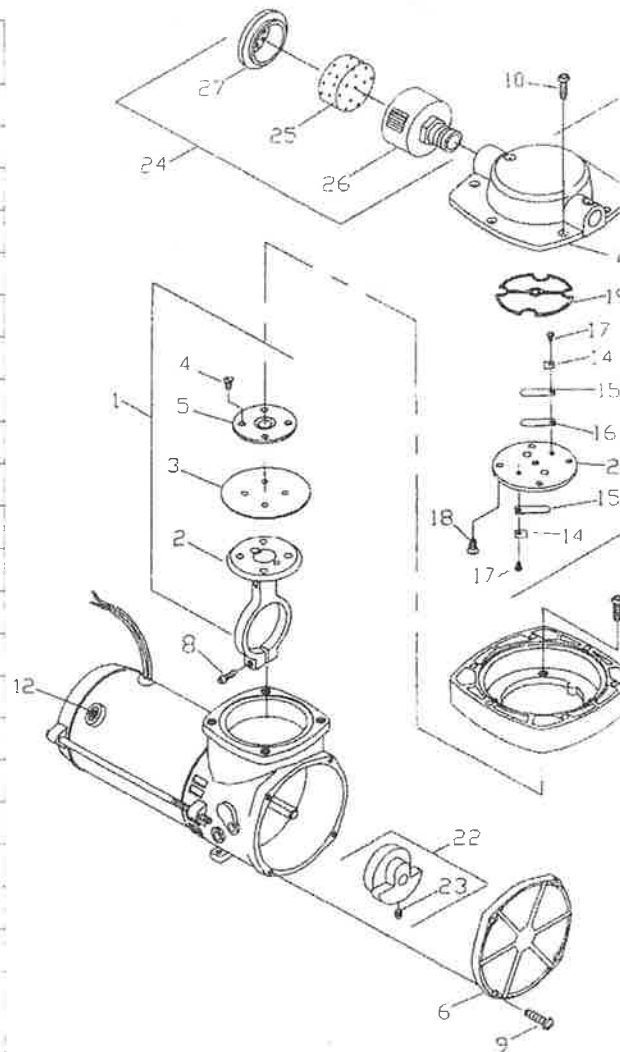


This compressor is used for the **Supa Exacta** markers .

910CDC22/12

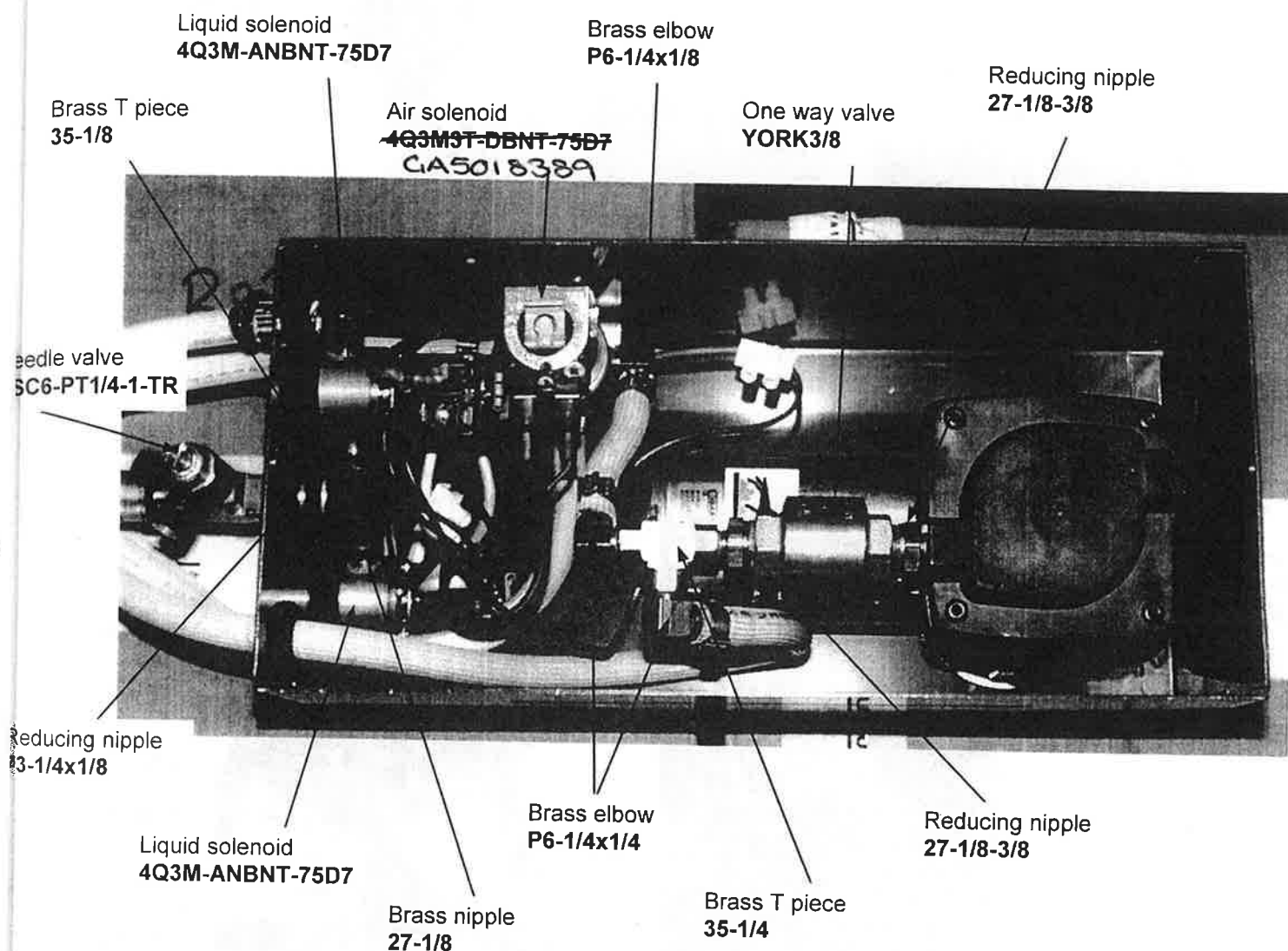
Bare compressor

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:



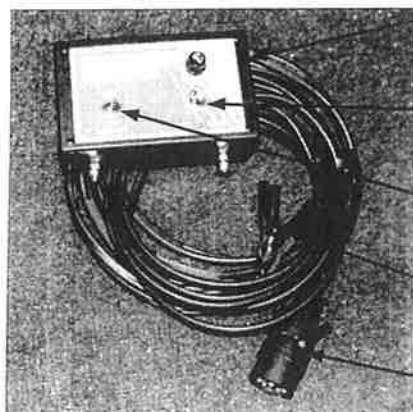
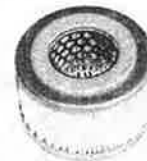
When ordering a replacement compressor, please note whether the compressor is a GAST or THOMAS compressor.



Compressor Box complete	22DIP103KGB-EX
Foam marker compressor	107CDC20-EX (Thomas) Or 22DI-P103-KGB (Gast)
Box only	FOAMBOX

EXACTA FOAM MARKER COMPONENTS

VEHICLE MOUNTED CONTROL BOX

Control box & fuse
GACBOn/Off/On switch
5586BOn/Off switch
ST25BAlligator clips
P3047 Pin plug
B51BCompressor Filter
362-12Filter Cartridge
A245-CART

100 LITRE EXACTA FOAM TANK

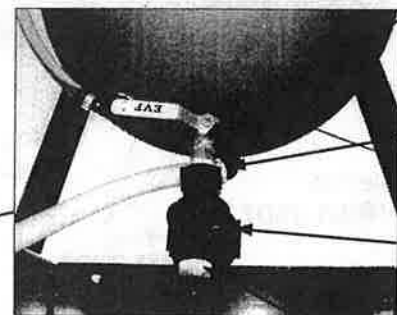
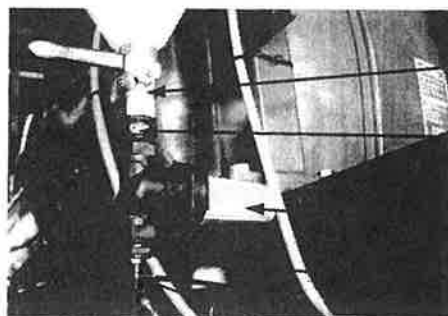
Foam Cap
P24730Foam Cap O Ring
FMO50X5100L Exacta Tank
TNK100-EX1/2" MF Lev
15-0913/4" x 1/2"
Nipple
M3412* 3/4" Spr
Filter
AA124A-3Hydraulic elbow
EL6-P/T 1/43/4" X 1/4" Reducing b
RB3414

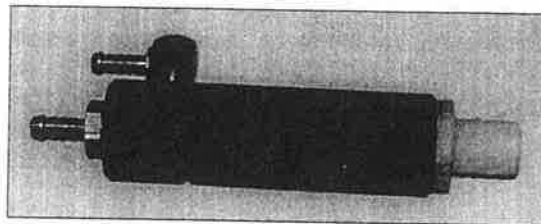
Diagram of parts beneath
foam marker tank on
Prairie Special sprayer.

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

1" FF Lever Ball Valve
25-0901" x 3/4" Reducing
M10034* 3/4" Spraying Systems Filter
AA124A-3/4-PP3/4" X 1/4" Reduc
M3414Hydraulic elbow
EL6-P/T 1/4

EXACTA FOAM MARKER COMPONENTS

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



Foam generator **FGEN - Com.**

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

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.

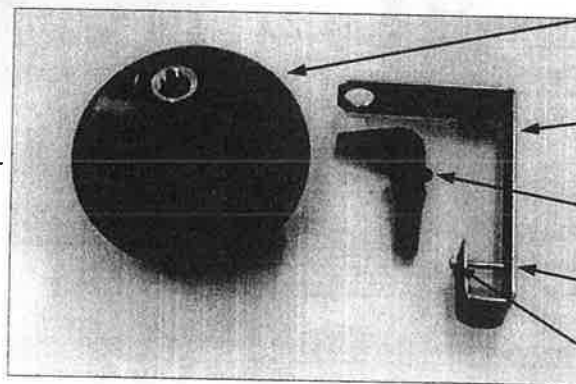


1/4" Needle Valve
ESC6-P/T 1/4-I-TR



The Exacta foam accumulator has a large orifice which is used to produce a large foam deposit enhancing visibility.

Exacta foam marker accumulator complete
ACC-GCOM



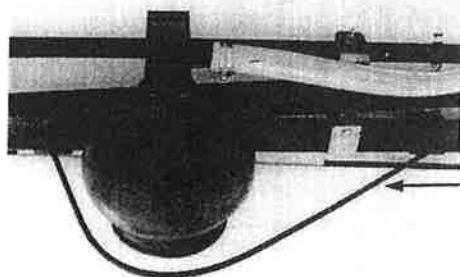
Exacta foam marker accumulator (green)
ACC-GBARE

Exacta foam marker bracket
ACC-BR-EX

Foam marker accumulator elbow
118319

50 x 6 bolt
M6X50

6mm Nyloc nut
NN6



Accumulator protector bracket, including 2 bolts.
ACC-PR

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 on 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.

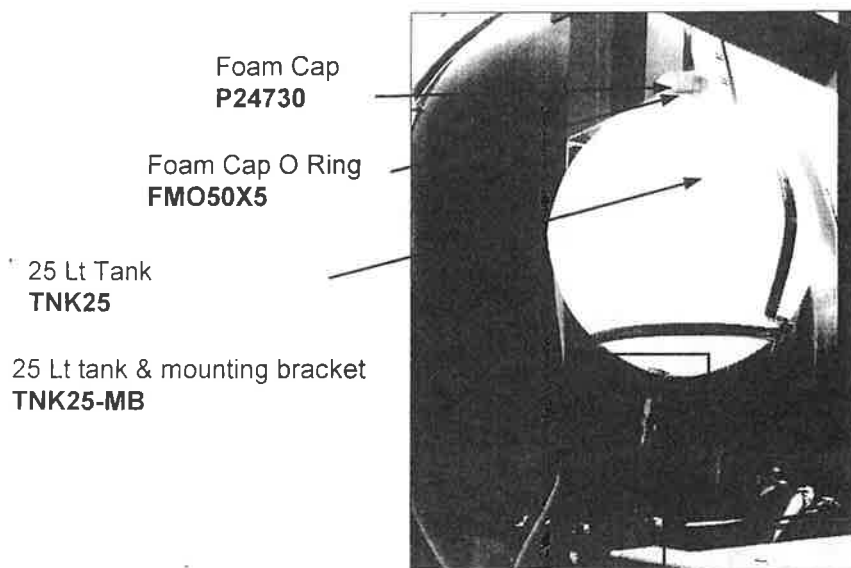
The foam is generated in the foam generator, which is situated on the boom, and then the foam is forced out to the foam accumulators and out on the ground. This results in production of foam of a high level of consistency and a short lead time between starting the foam marker and foam coming out of the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

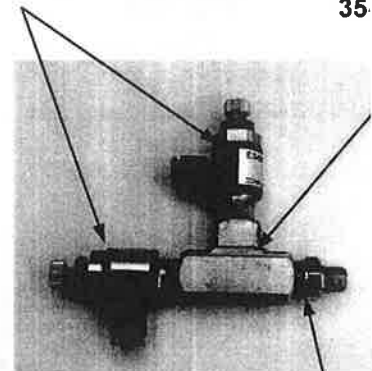
Exacta Foam Marker Direct Injection Kit

EXA25



**1/4" Needle Valve
ESC6-P/T 1/4-I-TR**

**1/4
35**



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

Brass reducing nipple
73-1/2x1/4

Brass nozzle body
CP1321-1/4T

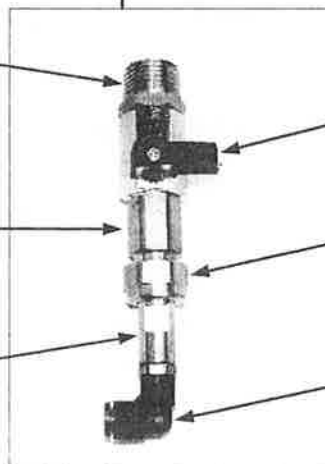
Brass adapter
CP4928

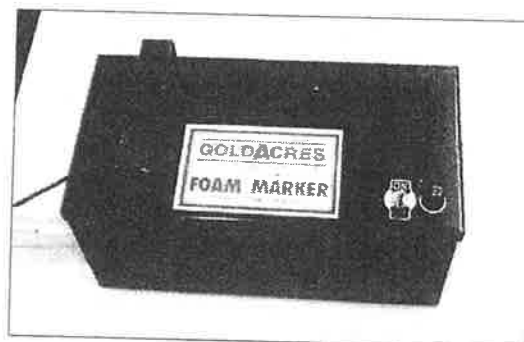
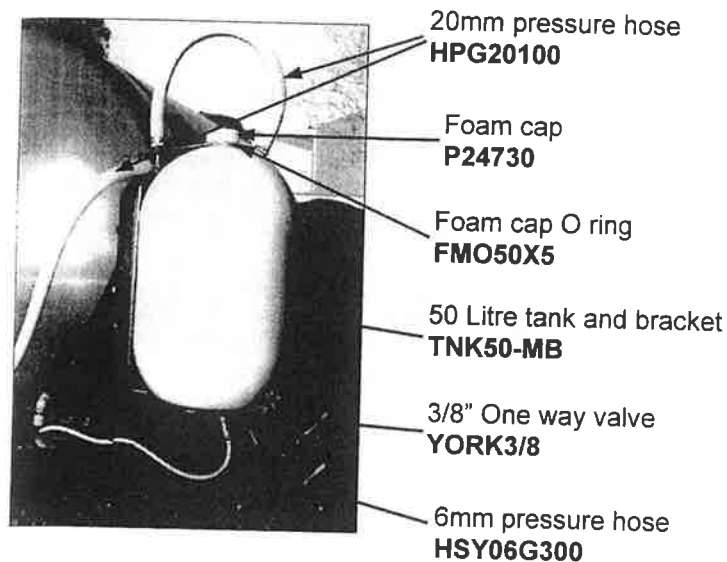
1/2" MF T handle tap
15-091

Brass cap *
CP1325

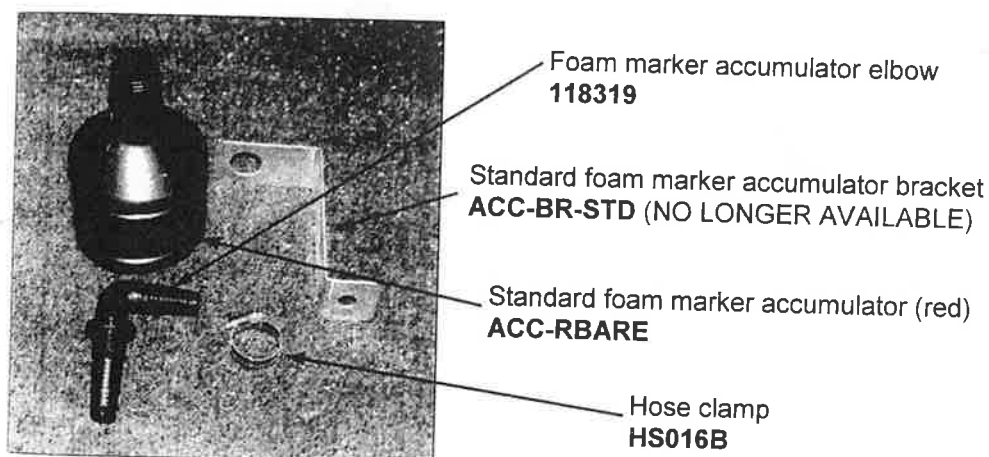
Hydraulic elbow
EL6-P/T 1/8

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

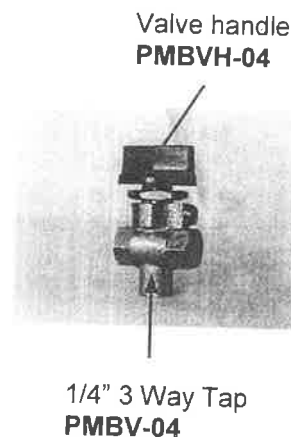


STANDARD FOAM MARKER COMPONENTS

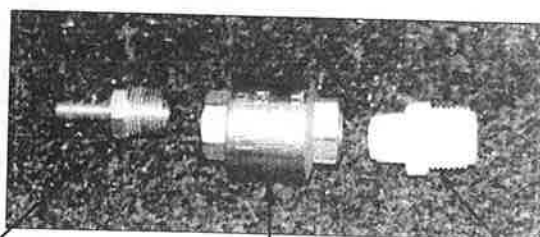
Standard foam marker compressor control box
Control Box Complete **22DIP103KGB-STD**
Box Only **FOAMBOX**



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.



3/8" x 1/4" Brass hose barb
06003-0406

* 3/8" One way valve
YORK3/8

3/8" x 1/2" Nipple
M1238

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

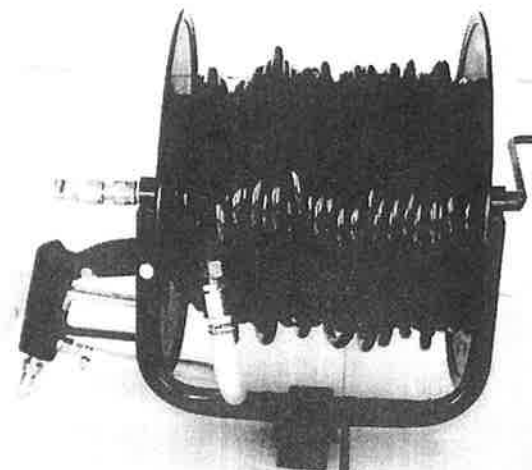
HEAVY DUTY HOSE REELS

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



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

HOSE REEL ACCESSORIES

Swivel mounting bracket:

Hose reel swivel mounting bracket **HR-SMB**

Hose reel mounting bracket extensions:

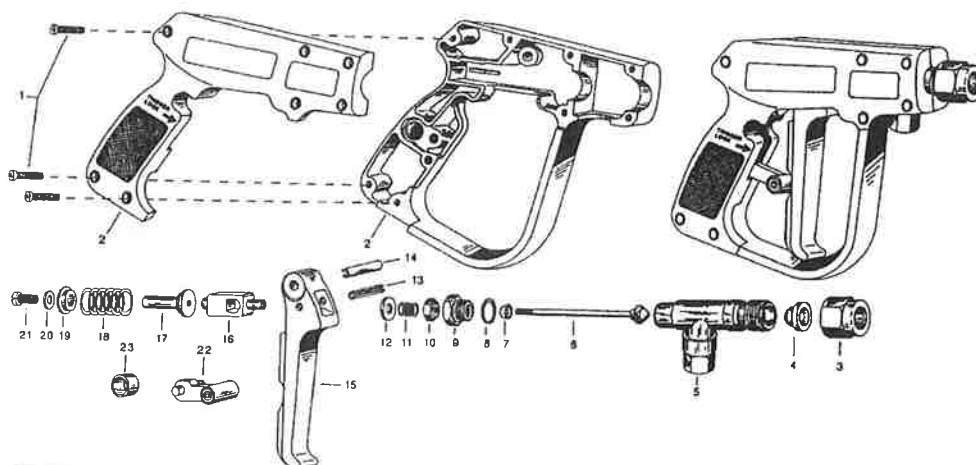
Previous model hose reel handle available.

Hose reel handle.
HP19/NL



*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

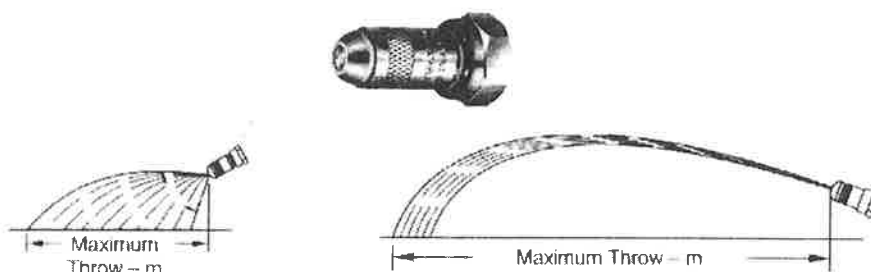
AB30L-KIT AA30L GunJet Repair Kit

EXTENSIONS FOR AA30L SPRAY GUN (Straight with Fixed Body)

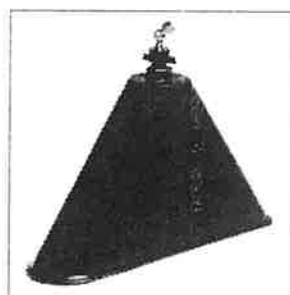
EXTENSION TYPE AND NO.	EXT. LENGTH (mm)	NET WEIGHT (kg)
7715-8	203	0.09
771518	457	0.11
771524	610	0.14
771530	762	0.16
771536	914	0.18
771548	1219	0.21

ADJUSTABLE CONEJETS

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

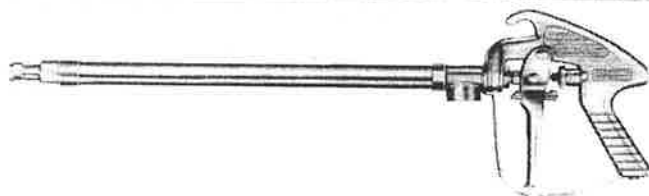
SPRAY SHIELD FOR GUNJET

Spray shield for gunjet

001950

GunJet[®]

AA43 SPRAY GUNS



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

No. AA43H for operating

MODELS

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

Trigger handle control...ALL MODELS have 1/2" 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.

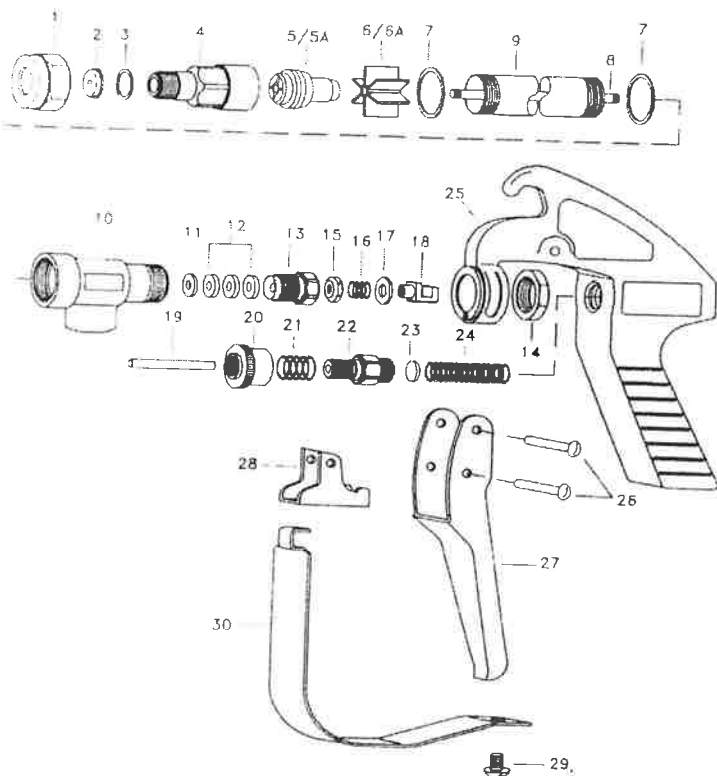
Choice of materials

Brass or aluminium.

Type 43A GunJet Spray Guns



Model No.	Operating Pressure (bar) Range	Made of	Lgh. 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	10565-1-NY	10565-1-NY-AL	Seal Plug, Seal Plate, Washer & Core Sub-Assembly Nylon Core & Vane With Brass Or Aluminum Seal Plug
5A	10565	10565-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	CP45195-NYB	CP45196-NYB	Guide Vane, Aluminum, Special Order ONLY
7	CP19238-416SS	CP19238-416SS	Gasket, Nylon (2 Req'd)
8	CP6604	CP6604-AL	Stem, Type 416 Stainless Steel
9	CP6492	CP6492-AL	Tubing, Brass or Aluminum
10	CP6601-302SS	CP6601-302SS	Inlet Body, Brass or Aluminum
11	CP6602-LEA	CP6602-LEA	Packing Washer, Type 302 Stainless Steel
12	CP6602-TEF	CP6602-TEF	Packing, Leather (5 Req'd), Standard
13	CP19237	CP19237-AL	Packing, Teflon (3 Req'd), Optional
14	CP6599	CP6599-IZP	Packing Screw, Brass or Aluminum
15	CP9641-INP	CP9641-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
24	CP6593-2-SS	CP6593-2-SS	Main Spring, Stainless Steel (for Model #43L-)
25	CP14477-1-AL	CP14477-1-AL	Main Spring, Stainless Steel (for Model #43H-)
26	CP7623-IZP	CP7623-IZP	Handle Body, Aluminum
27	CP6509-INP	CP6509-INP	Rivet, Steel, Zinc Plated (2 Req'd)
28	CP6510-INP	CP6510-INP	Trigger, Steel, Nickel Plated
29	CP11757-SS	CP11757-SS	Trigger Stop, Steel, Nickel Plated
30	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. AA43L-AL - 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 #43-)			
ABCK43-AL-KIT Conversion KIT for Adjustable Stem - Items 8, 13 & 15 (for Model #43-AL-)			

** Specify Orifice Disc Size

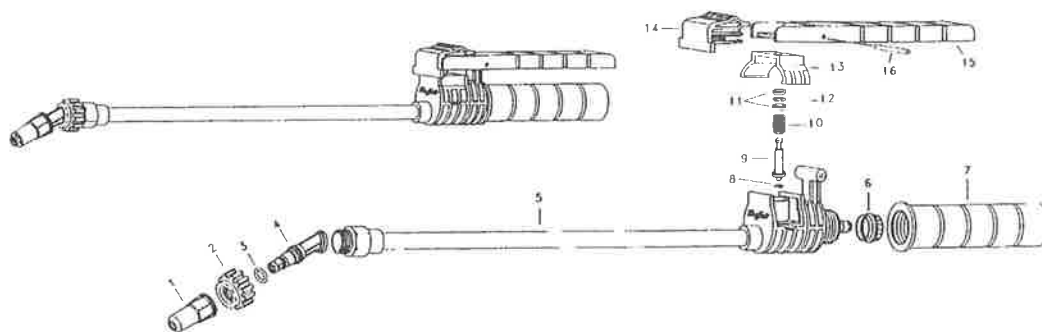
TriggerJet® Spray Gun



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-NY8	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



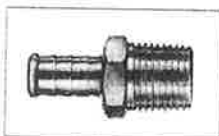
The lever and handle spray guns are manufactured as follows: stainless steel tube, brass inside rod, steel nozzle or ceramic.

Lever spray gun 300mm **001000**

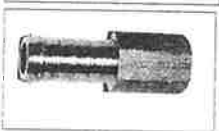
BRASS FITTINGS

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

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



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



NUT AND TAIL (ELBOW)

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

BRASS SWIVEL

1/2" NPT Hose reel swivel
(option for AA43 GunJet)
1/4" NPS
(option for AA30L GunJet)

11990-17

11990-6



FEMALE CONNECTOR

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



OLIVE

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



HEX SOCKET

1/4"

26-1/4



TAPER PLUG

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



COMPRESSION NUT

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

45° MALE / FEMALE
ELBOW

1/4" 59X45-1/4



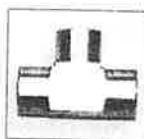
DOUBLE UNION

1/2" 24-1/2



FEMALE T PIECE

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

QUICK-RELEASE COUPLING
(FEMALE)

1/4" Thread (Female) 200

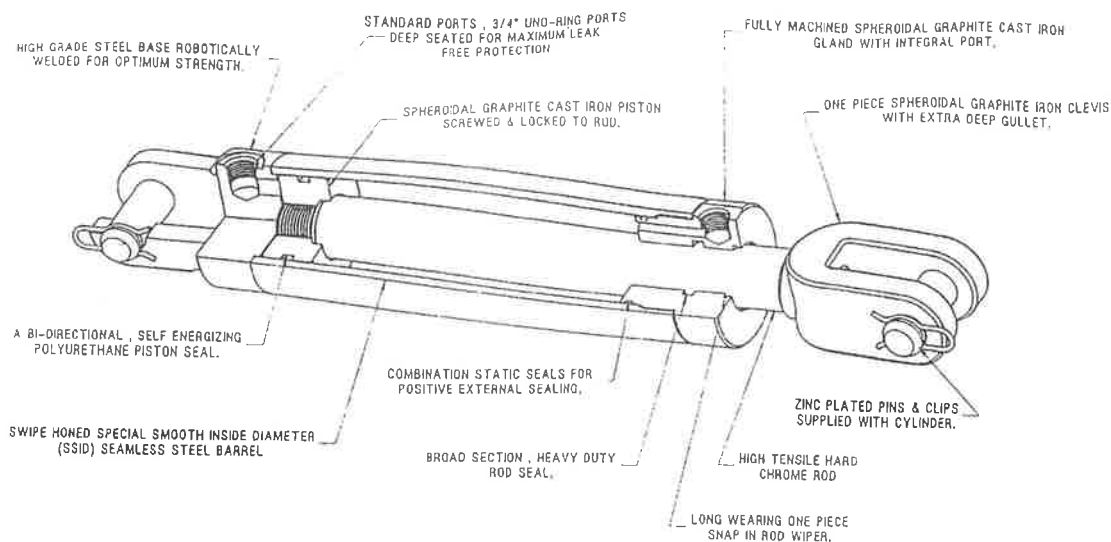
QUICK-RELEASE COUPLING
(MALE)

1/4" Hose 205



STANDARD HYDRAULIC CYLINDERS

- Double acting or single acting.
- Clevis end or ball end.



PART NO.	DESCRIPTION	TO SUIT:	NEW REPAIR KIT NO.
2.5X16-C	2.5" Cylinder x 16" Stroke Clevis End	Hydraulic lift	102629
2.5X16-B	2.5" Cylinder x 16" Stroke Ball End	Hydraulic fold	PHAS-21/2
2.75X16-B	2.75" Cylinder x 16" Stroke Ball End	Hydraulic fold	PHAS-23/4
2.5X36-C	2.5" Cylinder x 36" Stroke Clevis End	Hydraulic lift	102629
3.0X4-C	3.0" Cylinder x 4" Stroke Clevis End	Hydraulic tilt (24M boom +)	102630
3.0X5-C	3.0" Cylinder x 5" Stroke Clevis End	Hydraulic tilt	102630
2.5X3-C	2.5" Cylinder x 3" Stroke Clevis End	Hydraulic tilt (20M boom -)	102629
G0300-04	2.5" Cylinder x 36 Stroke - PTE (Red)	Hydraulic lift	
3.0X18	3.0" Cylinder x 18 Stroke	Hydraulic Fold	OSW106638
3.0X18	3.0" Cylinder Top Gun	Hydraulic Fold	106654
3.25x18	3.25" Cylinder x 18 Stroke	Hydraulic Fold	OSW106639
3.25X18	3.25" Cylinder Top Gun	Hydraulic Fold	106655
2.5X36	2.5" Cylinder Displacement Clevis End	Hydraulic lift	107300
2.5X48	2.5" Cylinder Displacement Clevis End	Hydraulic lift	107300

When ordering repair kits please state left, right or lift cylinder.

Also state if the cylinder is a Top Gun or OSW.

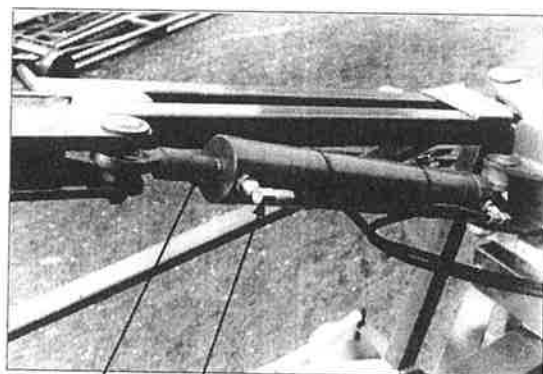
HYDRAULIC CYLINDER FITTINGS

**BITELOCK CRIMP COUPLINGS**

- T02-6** **1/2" BSPP Female**
(Hydraulic lift)
- T02-2** **1/4" BSPP Female**
(Hydraulic fold)

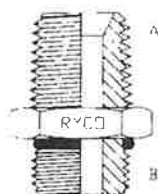
**BITELOCK CRIMP COUPLINGS**

- T05-1** **1/4" BSPP Female 90° Elbow**
(Hydraulic fold)

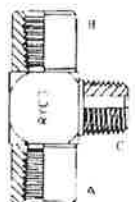


S93-26

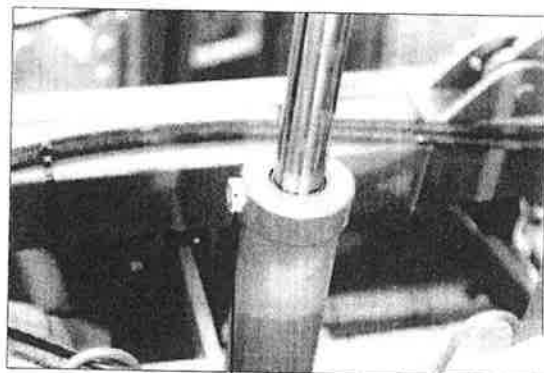
T05-1

**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)

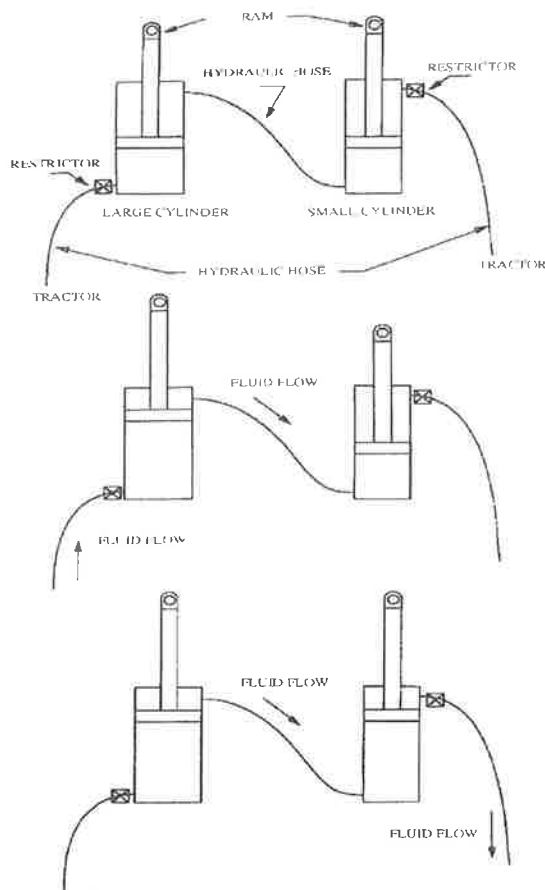


PM-BHF-6

**CYLINDER PORT BREATHING**

- PMBHF6** **3/4" ORB (with O Ring)**
(Hydraulic lift)

HYDRAULIC PHASING CYLINDERS



Lyc0 Hydraulic phasing cylinders
PHAS

PTE Hydraulic phasing cylinders (black)
PHAS-PTE

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.

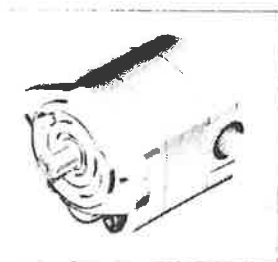
There is a difference in the diameter of these two cylinders because the volume of hydraulic fluid transferred from the first cylinder to the second cylinder is the volume caused by the first ram moving, minus the volume of the actual enclosed first ram. Hence the diameter of the second cylinder will 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.

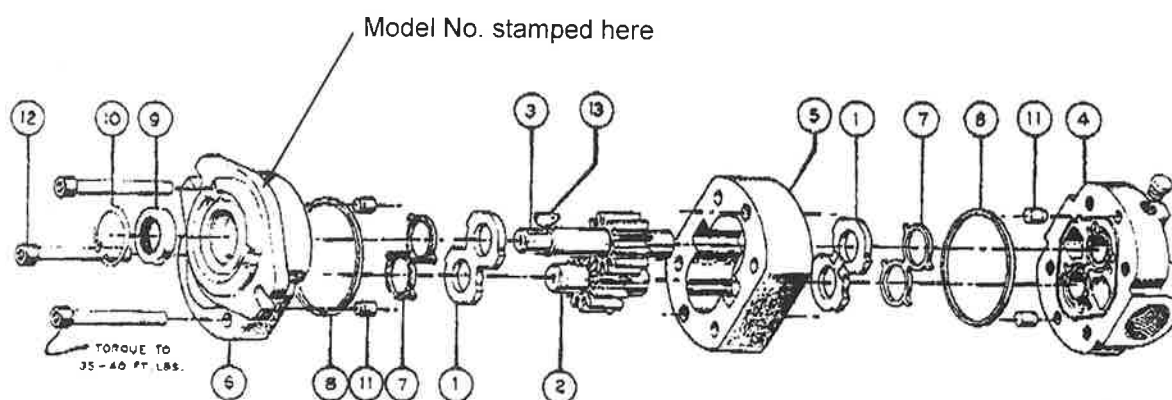
RE-PHASING THE RAMS

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.

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 on 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.

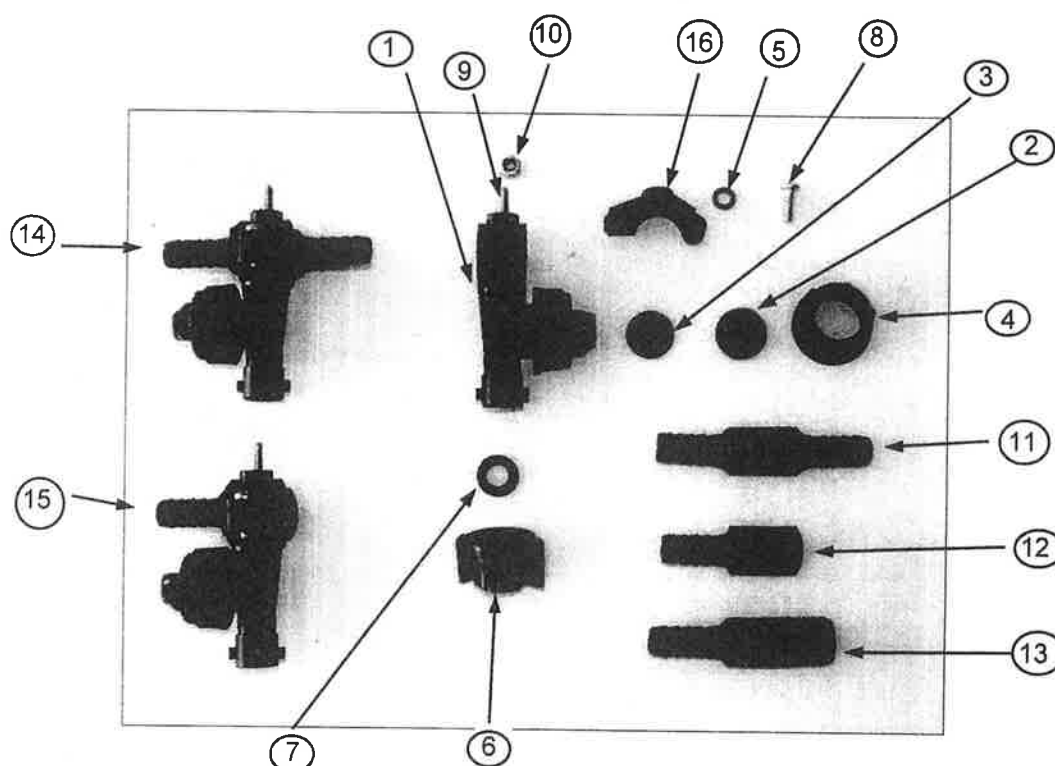
B. PARTS INSPECTION

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

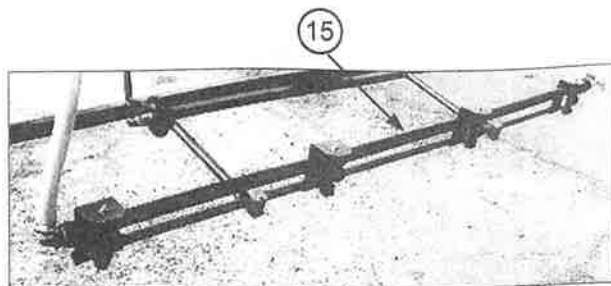
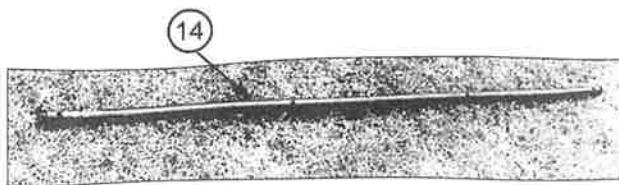
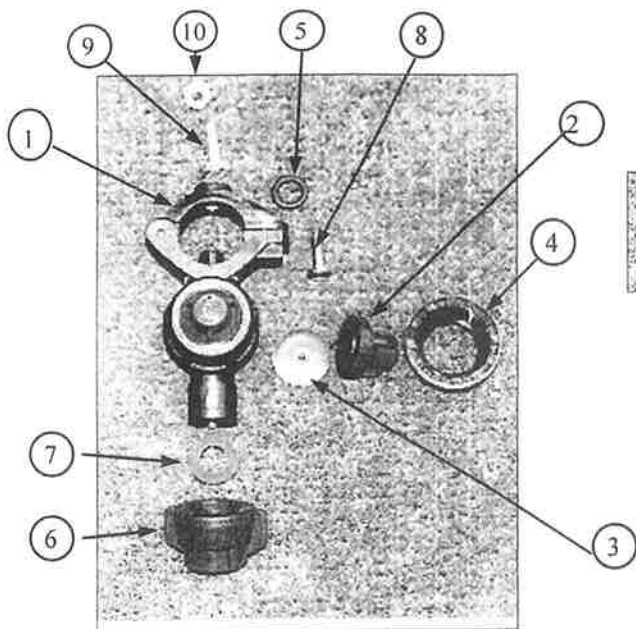
1. Install new shaft seal in front cover (6). Be sure bearing hole is not blocked.
2. Install snap ring (9) and new seals (7,12) in covers (if needed).
3. Assemble body (10) and rear cover (4) aligning dowel pins (5) and scribed line.
4. Insert thrust plate (1) into body (10) flat side toward seal 7. 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.

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

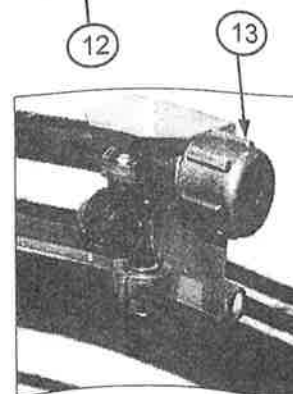
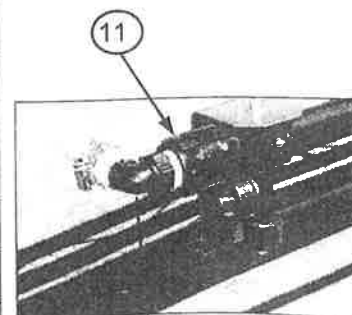
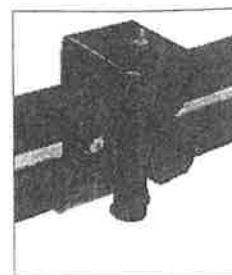


ITEM	DESCRIPTION	PART NUMBER
1	Quick Coupling Uni-Jet (1/2")	402735
2	Non-Drip Check Valve	005860.030
3	Non-Drip Check Valve Diaphragm	005860036
4	Fly Nut (3/4")	200030
5	O-Ring for Jet Hole	400020.030
6	Cap	402901
7	Seal	402200040
8	Self-Threading Screw	V2B25F
9	15 x 6 Bolt	M15X6
10	6mm Nyloc Nut	NN6
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

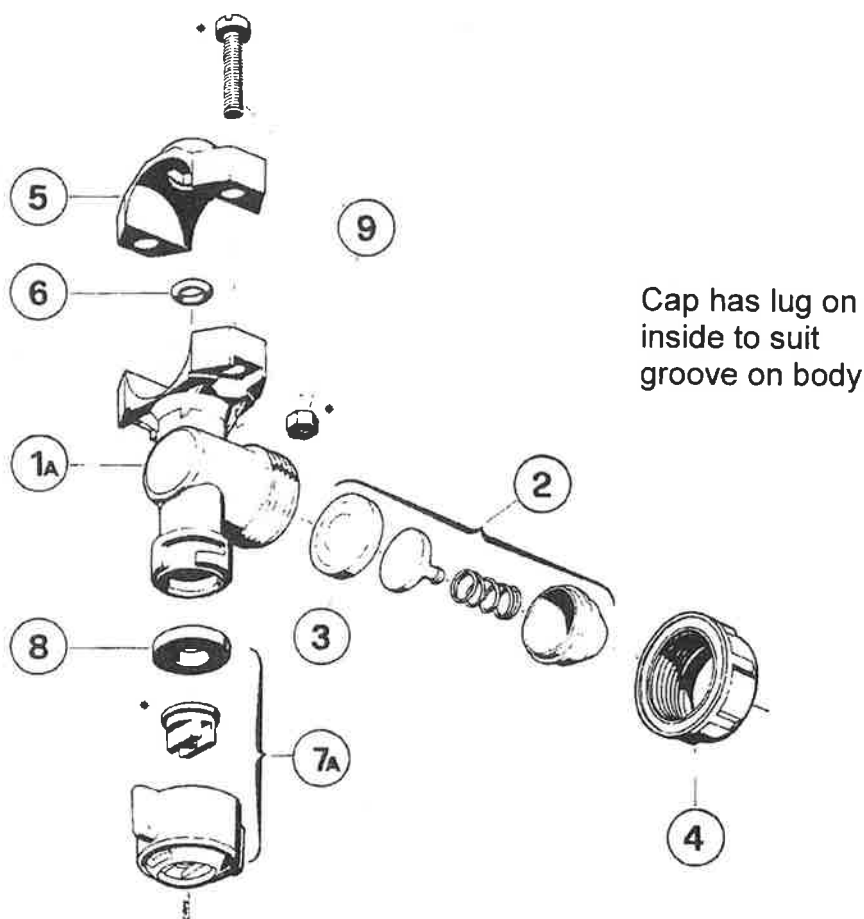
CURRENT WET BOOM NOZZLE BODIES (ARAG)



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	4-Nozzle Manifold (Bare & Drilled) 5-Nozzle Manifold (Bare & Drilled) 6-Nozzle Manifold (Bare & Drilled) 7-Nozzle Manifold (Bare & Drilled)	MANN4-D MANN5-D MANN6-D MANN7-D
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



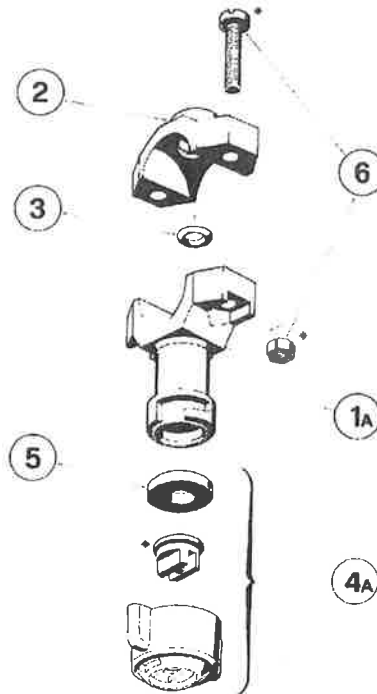
SUPERCEDED ARAG MODEL NOZZLE BODIES GOLDACRES SPRAYERS FROM 1986 - 1994 (APPROX.)



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 CURRENT MODEL**

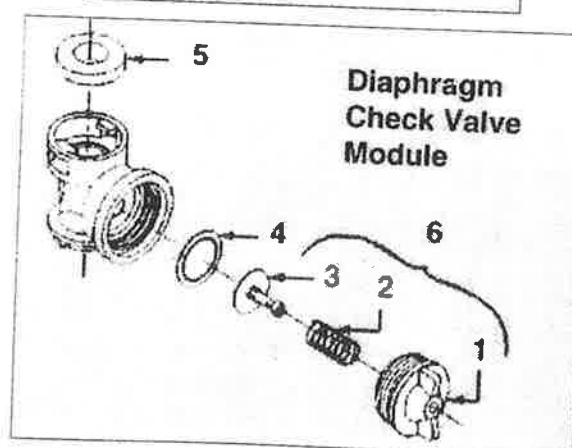
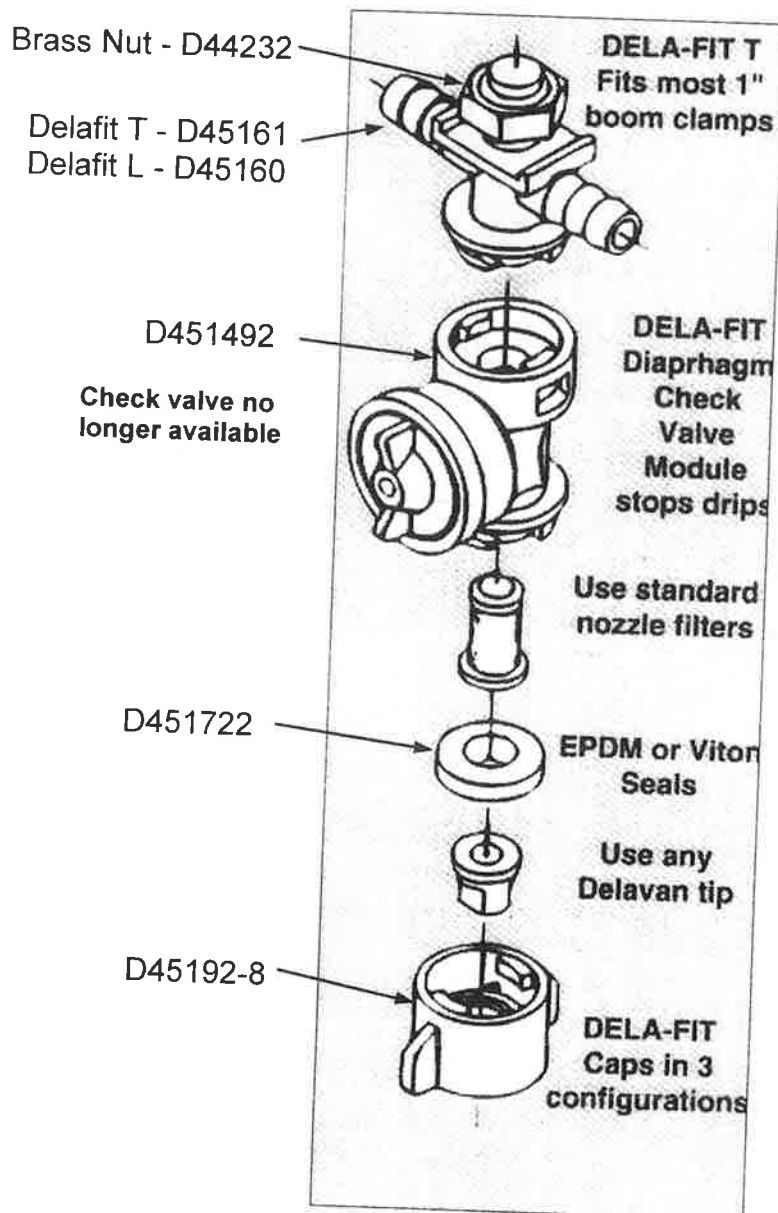
ARAG NOZZLE BODIES (OLD STYLE) WITHOUT NON-DRIP



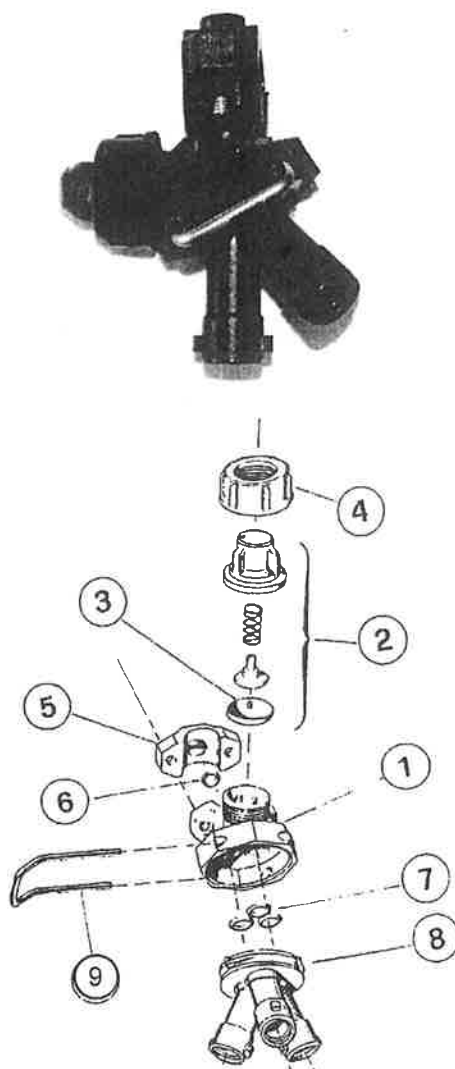
ITEM NO.	DESCRIPTION
1A	Quick coupling jet body/pipe 1/2"
2	Jet clamp
3	O ring for jet hole
4A	Cap
5	Seat
6	Screw and nut kit
	In-line (T) nozzle body without non-drip
	End (L) nozzle body without non-drip

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

DELEVAN NOZZLE BODIES GOLDACRES SPRAYERS TO APPROX. 1986



ARAG TRIJET BODY WITH DCV GOLDACRES SPRAYERS APPROX. PRE 1997

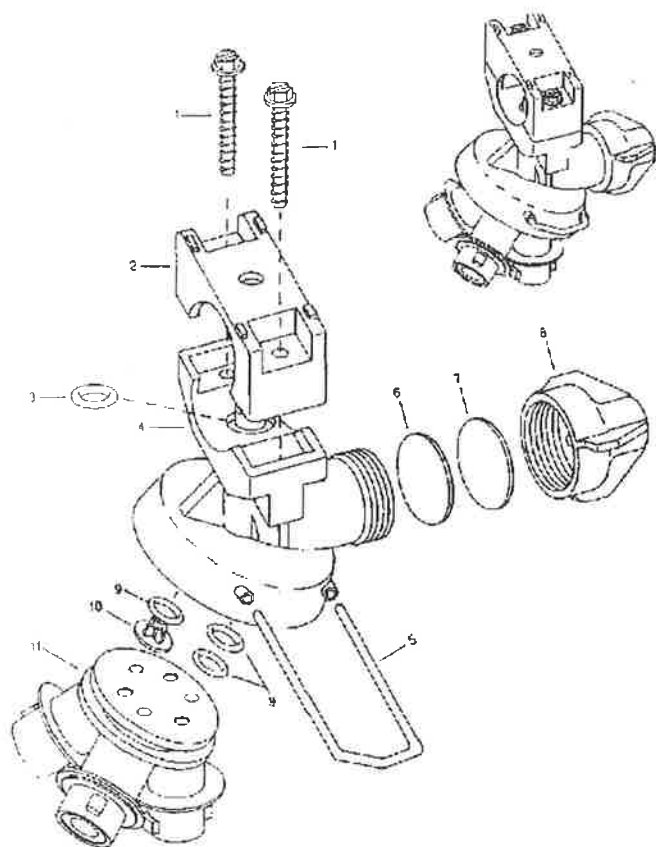
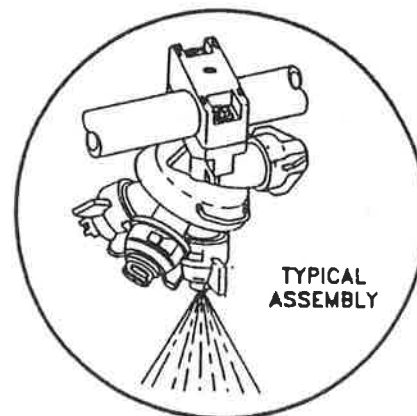


ITEM NO.	DESCRIPTION	PART NO.
1	Tri-Jet body (1/2")	4012035.010
2	Non-drip check valve	005860.030
3	Non-drip check valve diaphragm	005860036
4	Fly nut (3/4")	200030
5	Clamp (1/2")	400030.020
6	O-ring for jet hole	400020.030
7	O-ring for Tri-jet nozzle holder	004500.090
8	Quick coupling Tri-jet nozzle 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

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	Chemsaver 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)

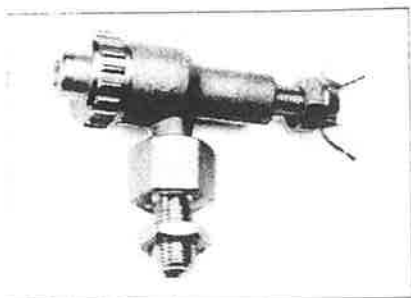
QUICK TEEJET TRIPLE NOZZLE 3/4"

242163/4NYB

Also available in 1/2"

242161/2NYB

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**

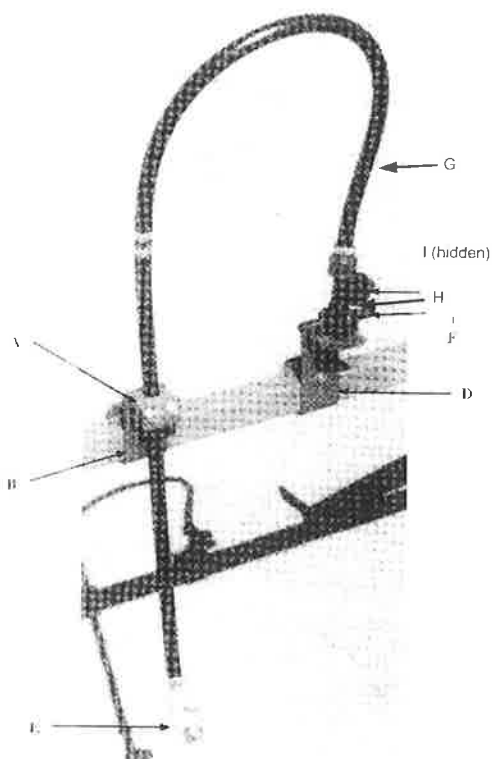
PICKLE APPLICATOR SWIVEL NOZZLE HOLDER



3/8" Double swivel nozzle holder
(To suit Pickle Applicator).

SWIVEL NOZZLE HOLDER **404180**

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**

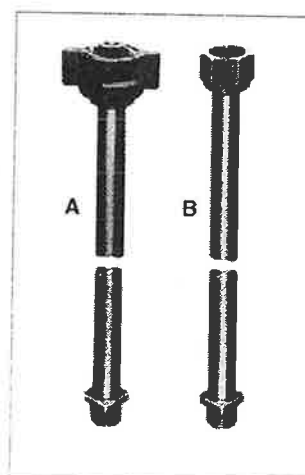
POSITION	DESCRIPTION
A	Nylon clamp for vertical height adjustment
B	Dropper bracket for horizontal adjustment
C	Non-drip check valve
D	Nozzle bracket
E	Single or double brass swivel
F	Nozzle body manifold (in-line or end)
G	Dropper hose
H	Quick fitting cap - round hole
I	1/2" flat seat swivel hose barb (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"	1/4" - 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. They are not standard on Goldacres sprayers.**

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

CP23307 TeeJet cap Hardi retrofit

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

* Specify colour-code (see chart). Unless otherwise specified, a yellow (6) cap will be supplied.

** These Quick TeeJet caps available only in black.

† Polypropylene Quick TeeJet caps available only in grey.

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)



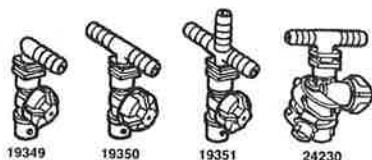
Part Number			To fit Hose I.D.
Single	Double	Triple	
18635-111-406-NYB	18636-112-406-NYB	18637-113-406-NYB	3/8"
18638-111-540-NYB	18639-112-540-NYB	18640-113-540-NYB	1/2"
18719-111-785-NYB	18720-112-785-NYB	18721-113-785-NYB	3/4"

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"

FOR WET BOOMS

Split Eyelets

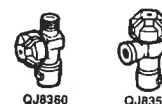


PART NUMBER	PIPE CONNECTION
QJ17560-1/2-NYB	1/2" pipe
QJ17560-3/4-NYB	3/4" pipe
QJ17560-1-NYB	1" pipe
QJ7421-1/2-NYB	1/2" pipe
QJ7421-3/4-NYB	3/4" pipe
QJ7421-1-NYB	1" pipe
QJ22187-1/2-NYB	1/2" pipe
QJ22187-3/4-NYB	3/4" pipe
QJ22187-1-NYB	1" pipe
24216-1/2NYB	1/2" pipe
24216-3/4NYB	3/4" pipe
24216-1-NYB	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)
QJ8355-1/4NYB	1/4" NPT (M)

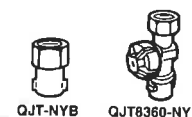
Nozzle Body

Quick TeeJet Nozzle Body



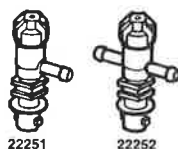
PART NUMBER	PIPE CONNECTION
QJ1/4TT-NYB	1/4" NPT (M)
QJ1/4T-NYB	1/4" NPT (F)
22674-1/4-NYB	1/4" NPT (M)

ADAPTERS FOR RETROFITTING

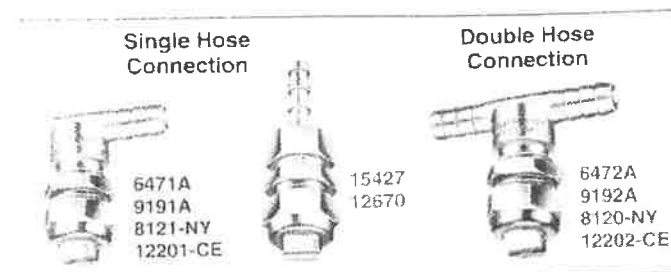


PART NUMBER	TO FIT
QJT-NYB	11/16" - 16 TeeJet Thread
QJT8360-NYB	11/16" - 16 TeeJet Thread

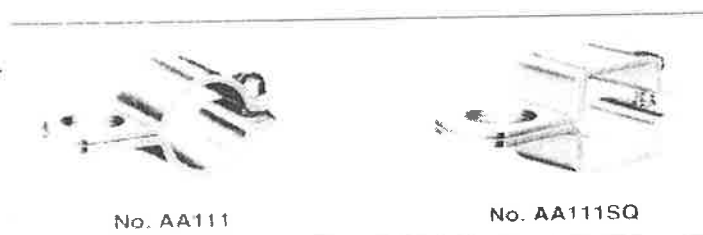
QJ300 Series Hose Shank Diaphragm Check Valves Hi-Pressure Quick TeeJet Nozzle Body (up to 20 bar) - (less clamps)



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"

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

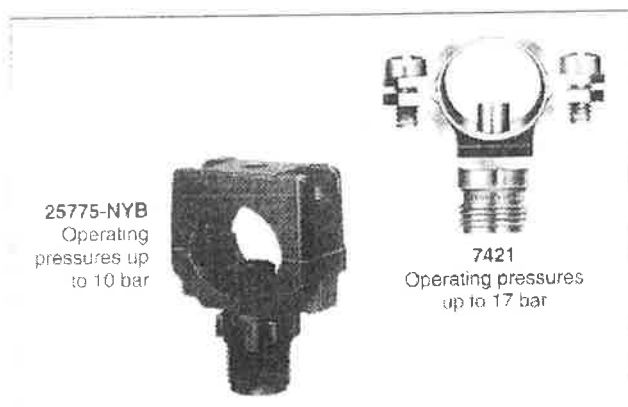
Hose Shank Body Assembly No.		To Fit Hose I.D.	Material
Single Hose Shank	Double Hose Shank		
15427-296		1/4"	Brass
6471A-400TD	6472A-400TD	1/2"	
9191A-531TD	9192A-531TD	3/4"	
6471-ALEF-C400TD	6472-ALEF-C400TD	1/2"	Aluminium Electro-fitted
9191-ALEF-C531TD	9192-ALEF-C531TD	3/4"	
6471-SS-C400TD	6472-SS-C400TD	1/2"	Stainless Steel
9191-SS-C531TD	9192-SS-C531TD	3/4"	
8121-NYB-406TD	8120-NYB-406TD	1/2"	Nylon
8121-NYB-540TD	8120-NYB-540TD	3/4"	
12670-406TD		1/2"	Celcon Hose Shank Stainless Steel Threaded Outlet
12201-CE-785TD	12202-CE-785TD	1/2"	
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 3/8" & 1 1/2" O.D. Tubings)
AA111-3/4	3/4" Pipe (1" & 1 1/8" O.D. Tubings)
AA111-1	1" Pipe (1 1/2", 1 3/4" & 1 7/8" O.D. Tubings)
AA111-1 1/4	1 1/4" Pipe (1 5/8" & 1 3/4" 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 3/8" O.D. Tubing 3/8" 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	1" Pipe 1 1/4" O.D. Tubing 1 3/8" O.D. Tubing
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	1/2" 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"			
F	5932-2-1/4T	1/4"	Nylon	360°	
G	6240-1/4TT	1/4"			
H	7450-2T	1/4"		280°	
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

CAM LEVER COUPLINGS



MALE ADAPTOR - FEMALE THREAD

3/4"	75A
1"	100A
1 1/2"	150A
2"	200A

Seals for Female couplers and



FEMALE COUPLER - MALE THREAD

3/4"	75B
1"	100B
1 1/2"	150B
2"	200B



FEMALE COUPLER - HOSE SHANK

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



FEMALE COUPLER - FEMALE THREAD

3/4"	75D
1"	100D
1 1/2"	150D
2"	200D



MALE ADAPTOR - HOSE SHANK

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



MALE ADAPTOR - MALE THREAD

3/4"	75F
1"	100F
1 1/2"	150F
2"	200F



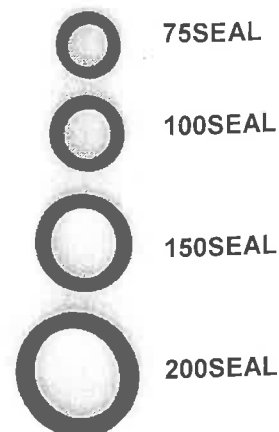
PLUG FOR FEMALE COUPLER

3/4"	75PL
1"	100PL
1 1/2"	150PL
2"	200PL

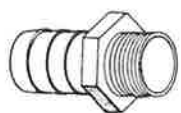


CAP FOR MALE ADAPTOR

3/4"	75CAP
1"	100CAP
1 1/2"	150CAP
2"	200CAP



NYLON FITTINGS



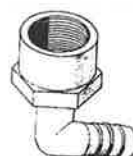
MALE TAPER PIPE THREAD HOSE BARBS

	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"



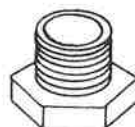
ELBOWS: MALE TAPER PIPE THREAD HOSE BARB

	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"



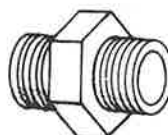
ELBOWS: FEMALE TAPER PIPE THREAD HOSE BARBS

	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"



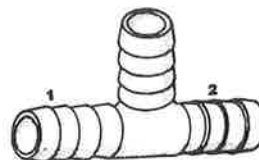
STREET ELBOWS: FEMALE TAPER PIPE THREAD AND MALE TAPER PIPE THREAD

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



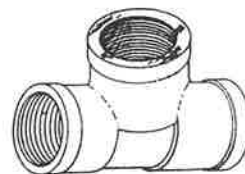
STANDARD HOSE MENDERS

	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"

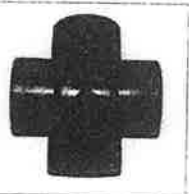
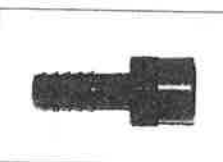


TEE: ONE MALE TAPER PIPE THREAD & TWO HOSE BARBS

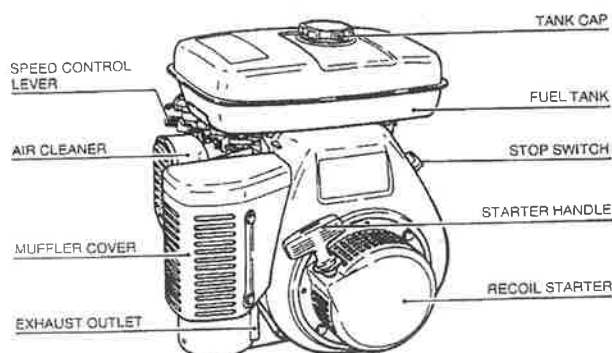
	THREAD	BARB	BARB
T12T	1/2"	1/2"	1/2"
T34T	3/4"	3/4"	3/4"

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**1 1/2" to suit 32mm hose **106633**1 1/2" to suit 38mm hose **106638****90° HOSETAIL FOR FLY NUT**1 1/4" to suit 25mm hose **116525**1 1/4" to suit 32mm hose **116533**1 1/2" to suit 25mm hose **116625**1 1/2" to suit 32mm hose **116633**1 1/2" to suit 38mm hose **116640****45° HOSETAIL FOR FLY NUT**1 1/2" to suit 40mm hose **117640****NIPPLES**1" **250040**1 1/2" **250060****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 1/2" **200060****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**

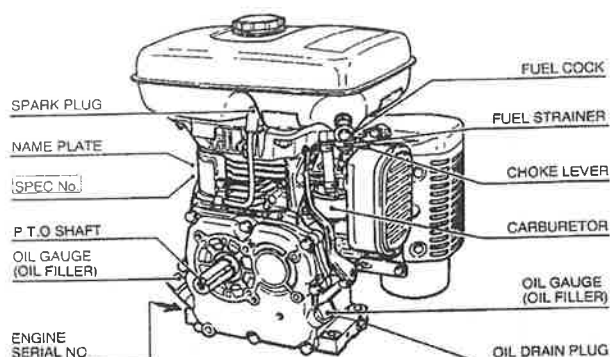
ROBIN ENGINES - HORIZONTAL SHAFT



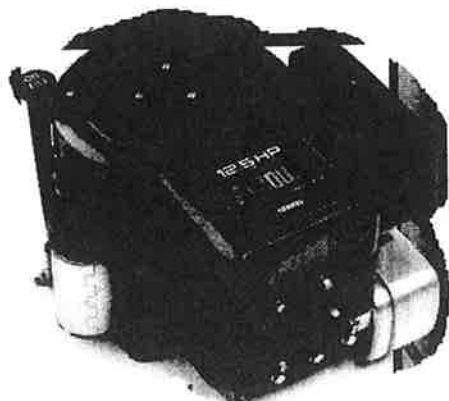
EY15DU 3.5 HP
 EY20DU 5 HP
 EY28DR 7.5 HP
 EY28DRS 7.5 HP ELECTRIC START

2273261007
 2343260407

Robin EY20 Air Filter
 Robin EY28 Air Filter



12.5HP BRIGGS & STRATTON LAWN MOWER ENGINES - VERTICAL SHAFT

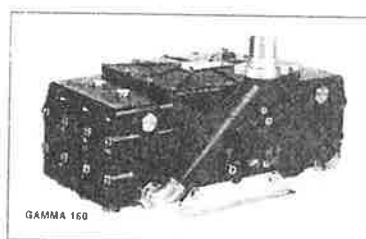
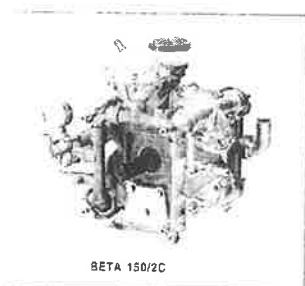
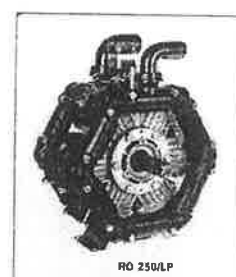
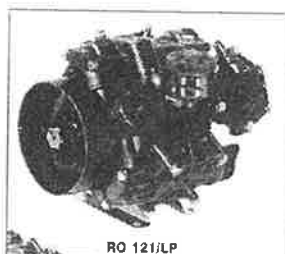
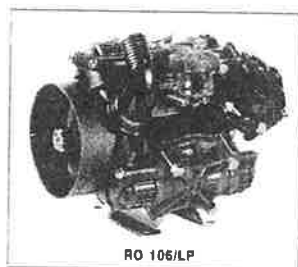
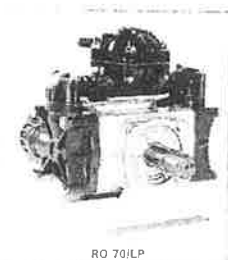
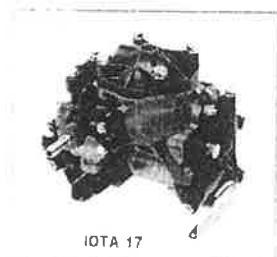


Cylinder:
 Standard Starter:
 Standard Crankshaft:
 Bearings:
 Governor:
 Resistor Spark Plug:
 Rubber Spark Plug Cover:
 Controls:
 Carburetor:
 Cam:
 Air Cleaner:
 Dipstick:
 Valves:

Cast iron sleeve.
 12 Volt electric.
 1" dia keyway.
 1 plain PTO / 1Du Mag.
 Mechanical.
 Standard.
 Standard.
 Horizontal actuation.
 Float feed.
 Easy spin.
 Dual element.
 Extended
 Cobalite valve package.

MODEL	286707
BORE	87.3 mm
STROKE	77.7 mm
DISPLACEMENT	465 cc
BLOWER HOUSING	Laminated
WEIGHT	25.28 kg

UDOR PUMPS

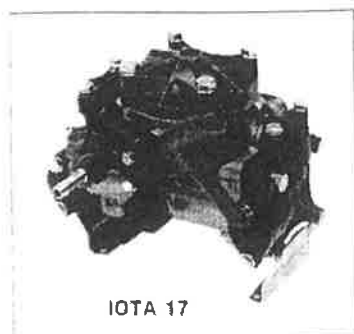


MODEL	IOTA 17	KAPPA 30	KAPPA 120	ZETA 85	RO70	RO106	RO121	RO160	RO250	BETA150 2C	GAMMA 160	GAMMA 240
L/Min	17.2	33.5	124	84	78	105	120	158	248	154.5	165	238
HP	0.8	2.6	16.6		4.4	6.3	7	9.6	14.4	22	23.6	35.7
kW	0.6	1.91	12.2		3.23	4.63	5.15	7.05	10.58	16.17	17.34	26.23
BAR	17	30	50	20	20	20	20	20	20	50	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)	209x190x 207	270x277x 328	363x480x 418	268x279x 294	322x270x 285	357x290x 300	357x290x 300	300x395x 427	314x371x 449	555x385x 415	438x540x 313	438x540x 313

UDOR PUMP PARTS

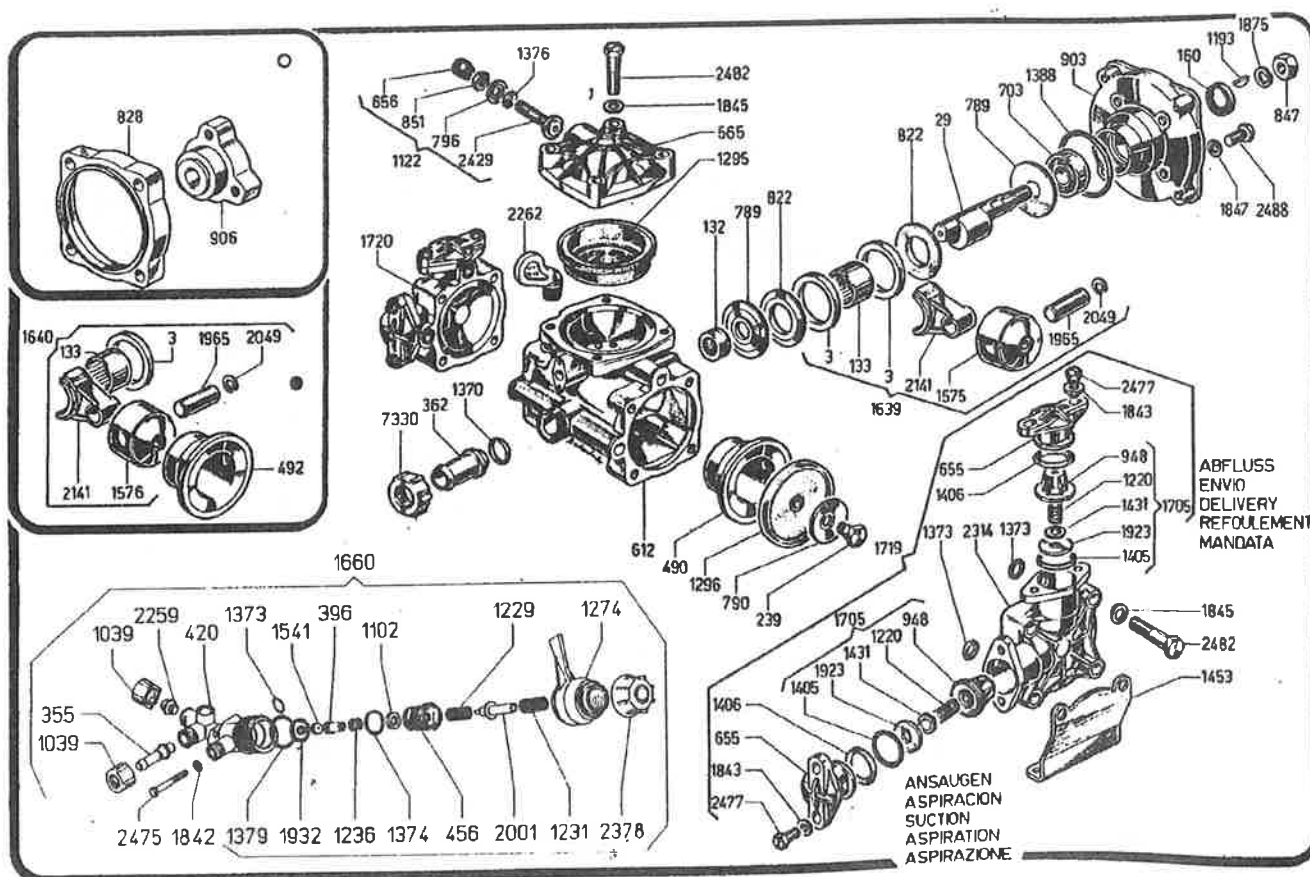
Goldacres carries an extensive range of Udor pump parts. For part numbers of Udor parts, see parts listing after individual UDOR pump pages.

IOTA 17

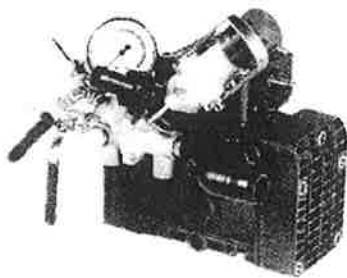


IOTA 17

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

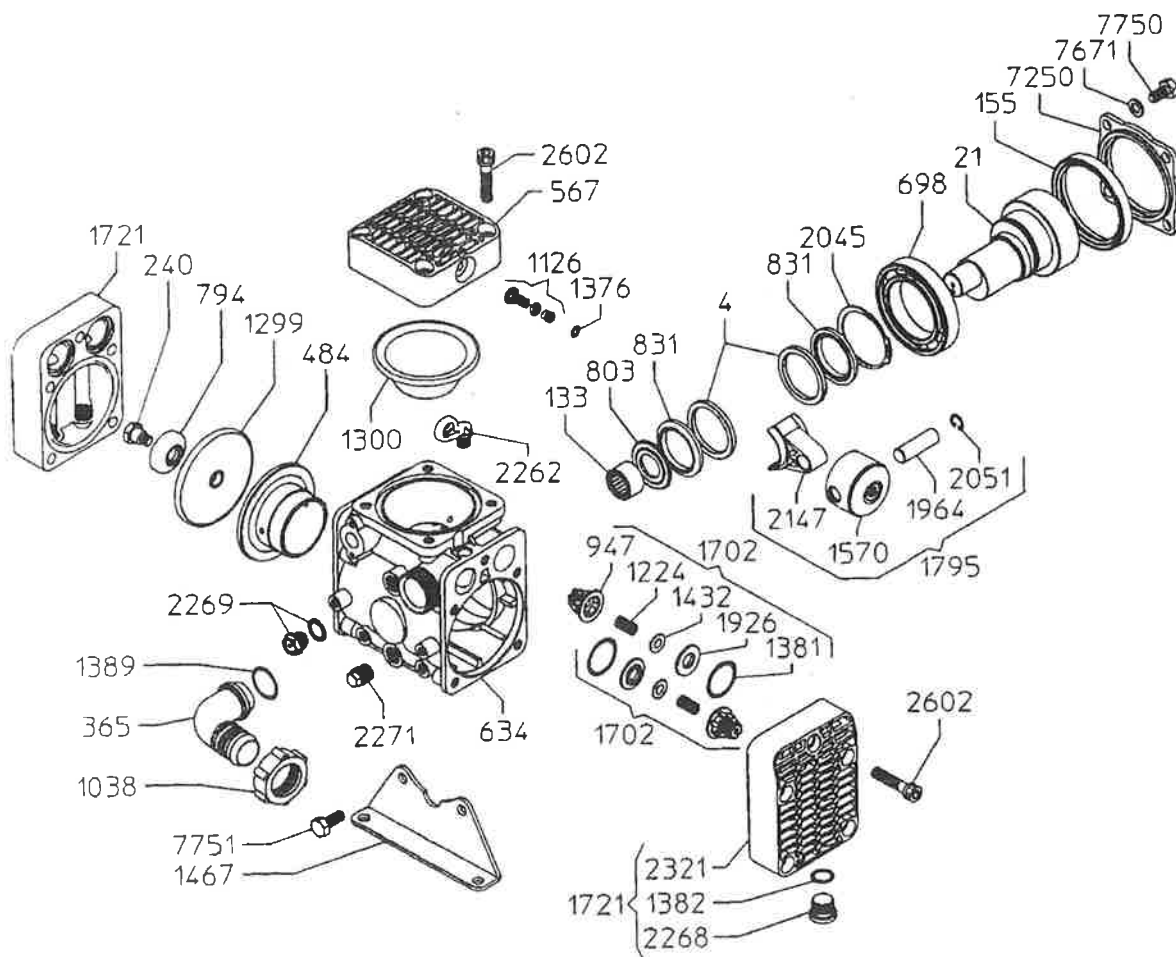


KAPPA 30



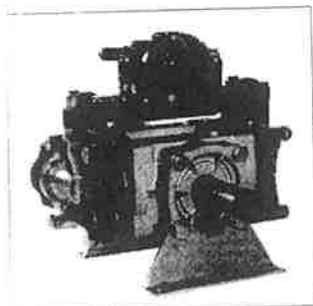
KAPPA 30

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

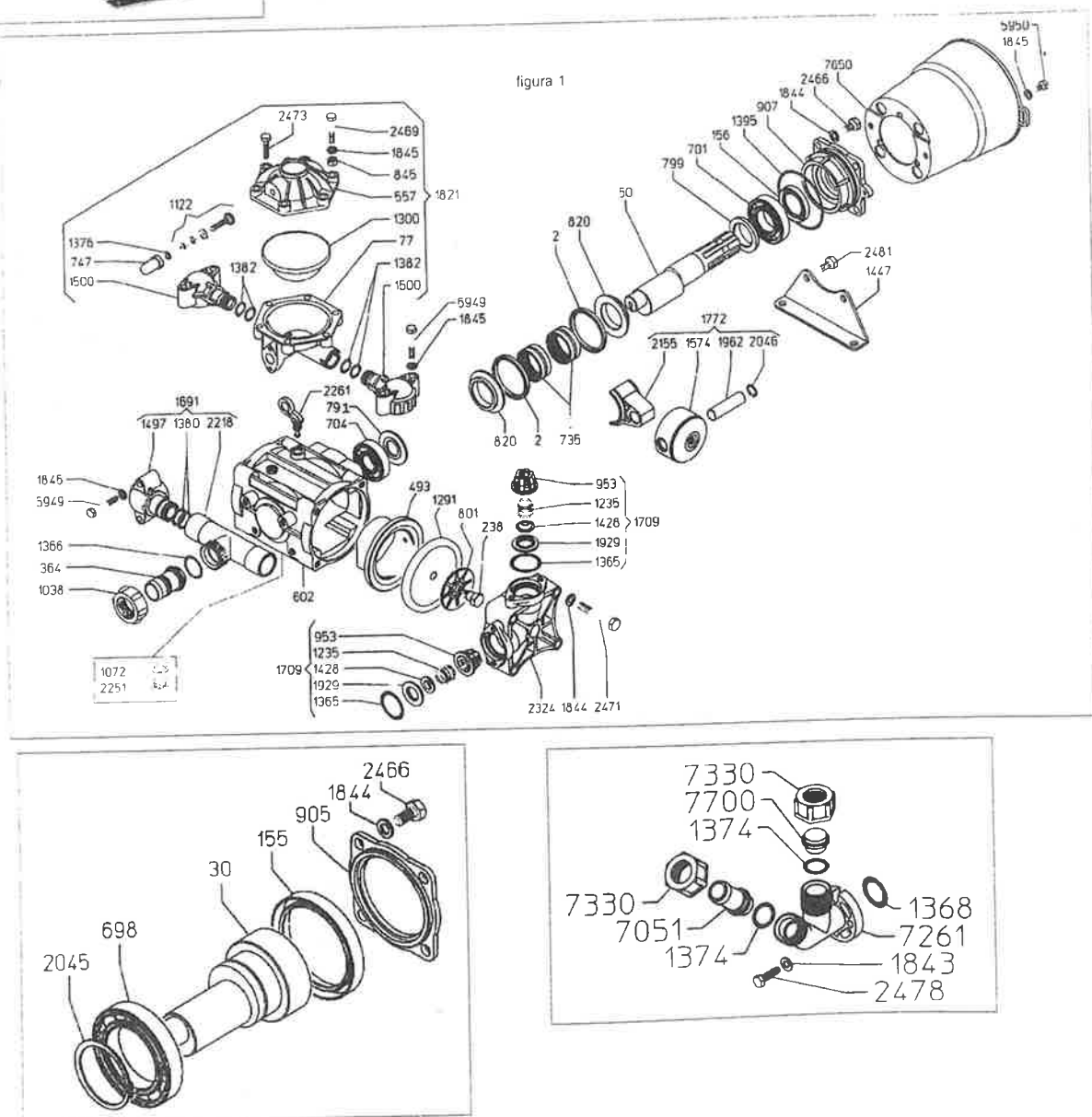


LOW PRESSURE DIAPHRAGM PUMPS

RO70



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



Pump repair kits are also available, see Page 111

LOW PRESSURE DIAPHRAGM PUMPS

RO106 & RO121



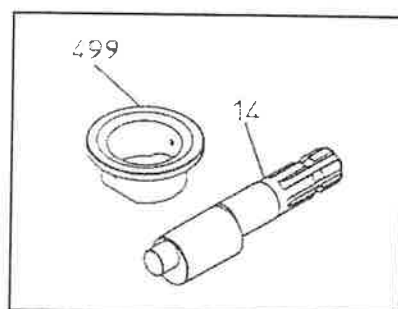
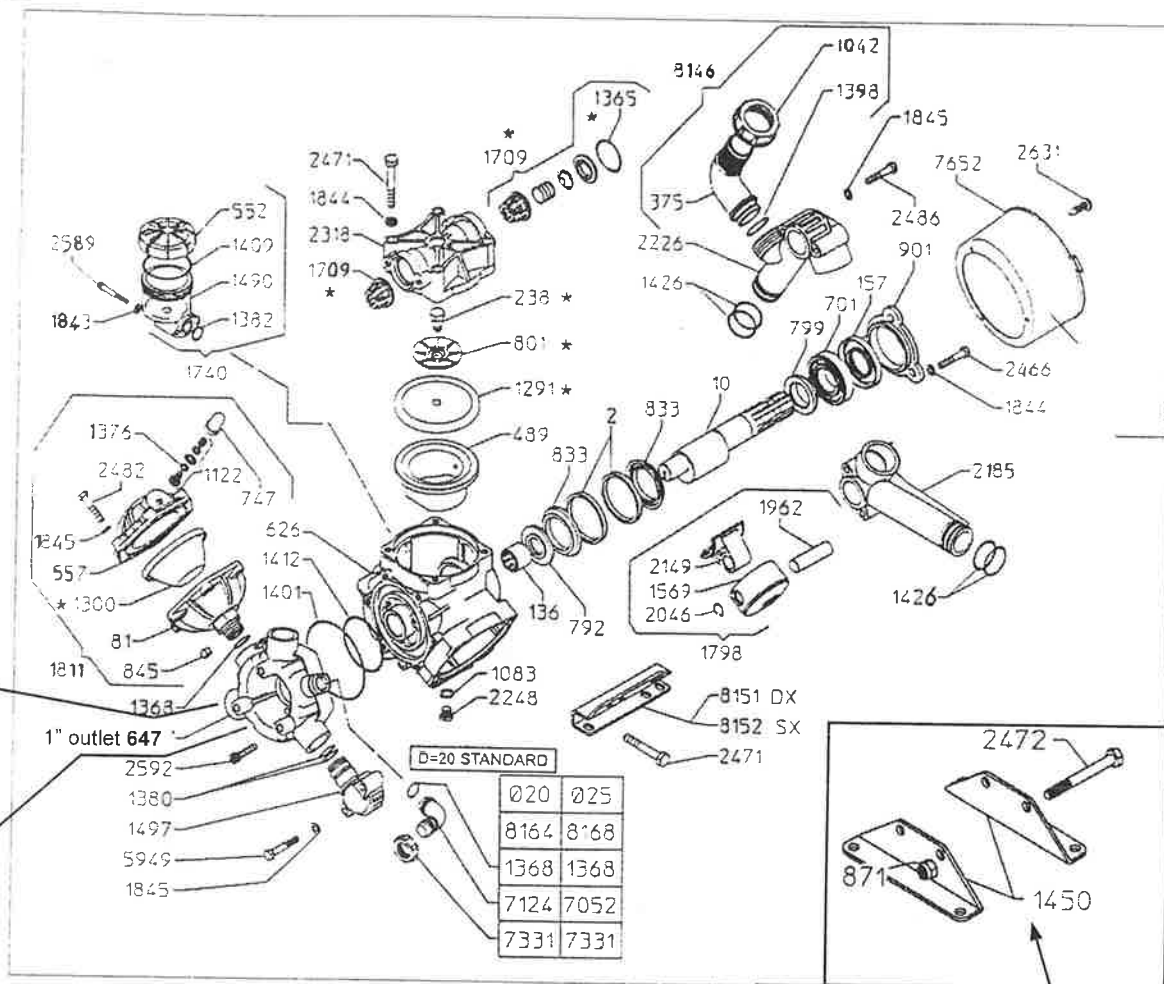
	RO106	RO121
Maximum pump capacity:	105 l/min	120 l/min
Maximum pump speed:	540 RPM	540 RPM
Maximum pressure capacity:	20 bar (284 PSI)	20 bar (284 PSI)
Maximum power requirement:	5.36 KW (7.3HP)	6.24 KW (8.49HP)
Oil Type:	Motor Oil SAE 30W40	

Original style delivery manifold (3/4" outlet)

649

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

651



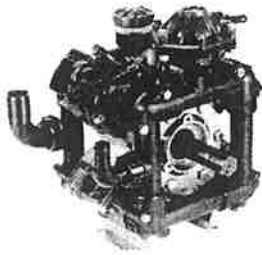
RO 121 fitted with these two parts, in lieu of Part No's. 489 and 10 above.

Previous model mounting brackets

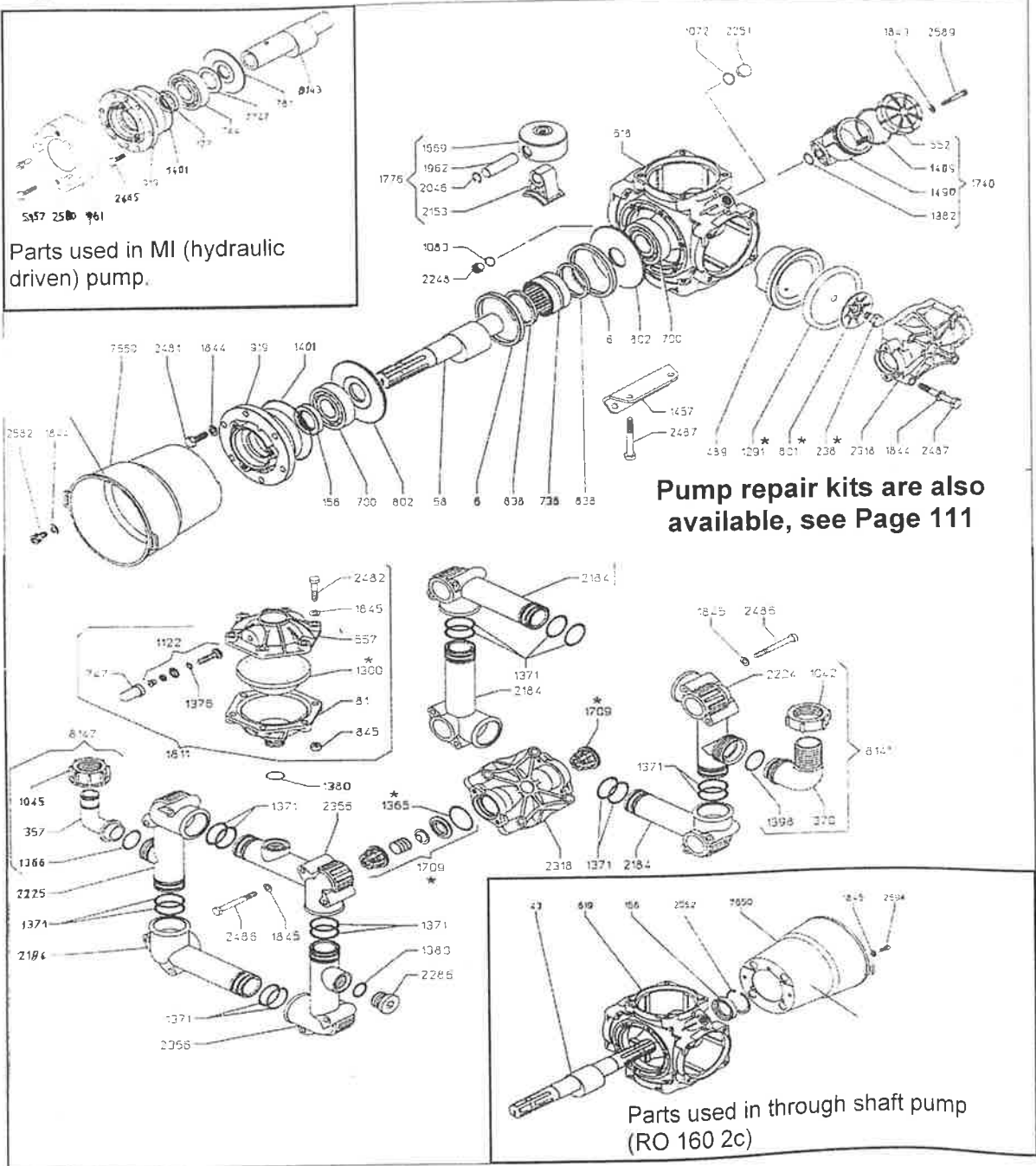
Pump repair kits are also available, see Page 111

LOW PRESSURE DIAPHRAGM PUMPS

RO160

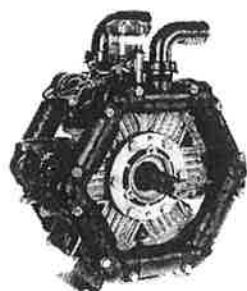


Maximum pump capacity: 158 l/min
 Maximum pump speed: 540 RPM
 Maximum pressure capacity: 20 bar (284 PSI)
 Maximum power requirement: 7.05 KW (9.6HP)
 Oil Type: Motor Oil SAE 30W40



LOW PRESSURE DIAPHRAGM PUMPS

RO 210 & RO250



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

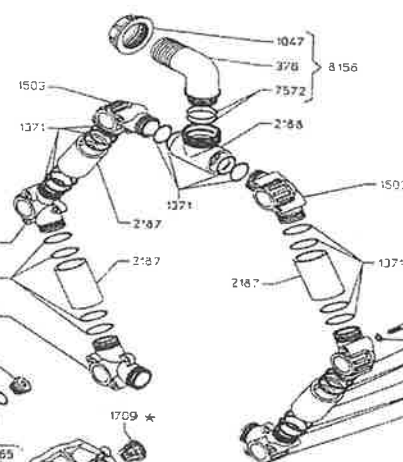
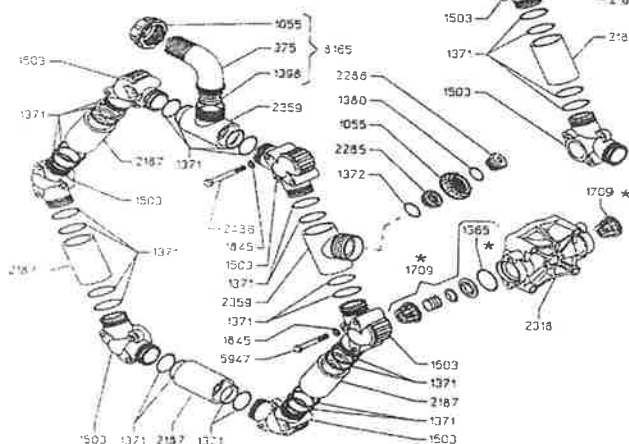
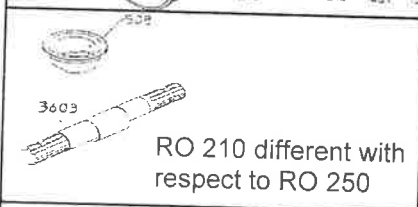
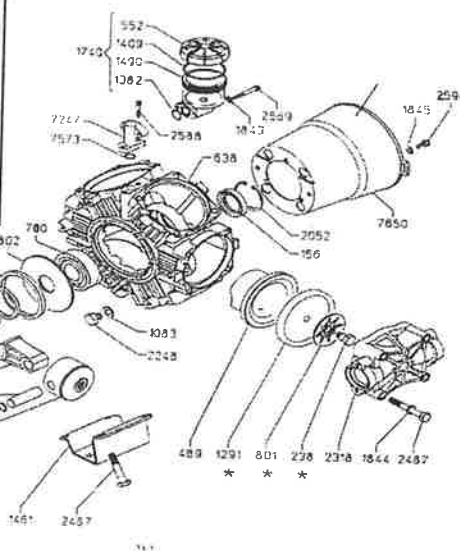
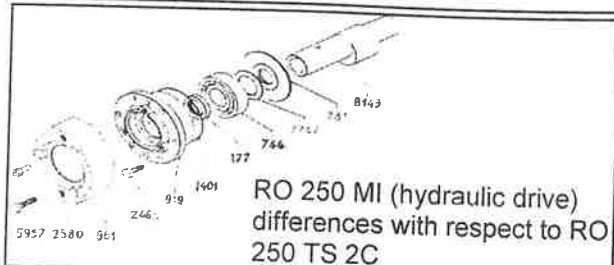
RO 210

209 l/min
540 RPM
20 bar (284 PSI)
7.21 KW (9.82 HP)

RO 250

239
540 RPM
20 bar (284 PSI)
8.09 KW (11.01HP)

Motor Oil SAE 30W40



Pump repair kits are also
available, see Page 111

KAPPA 120 & 150



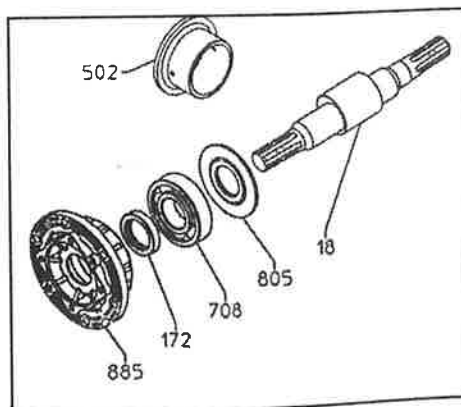
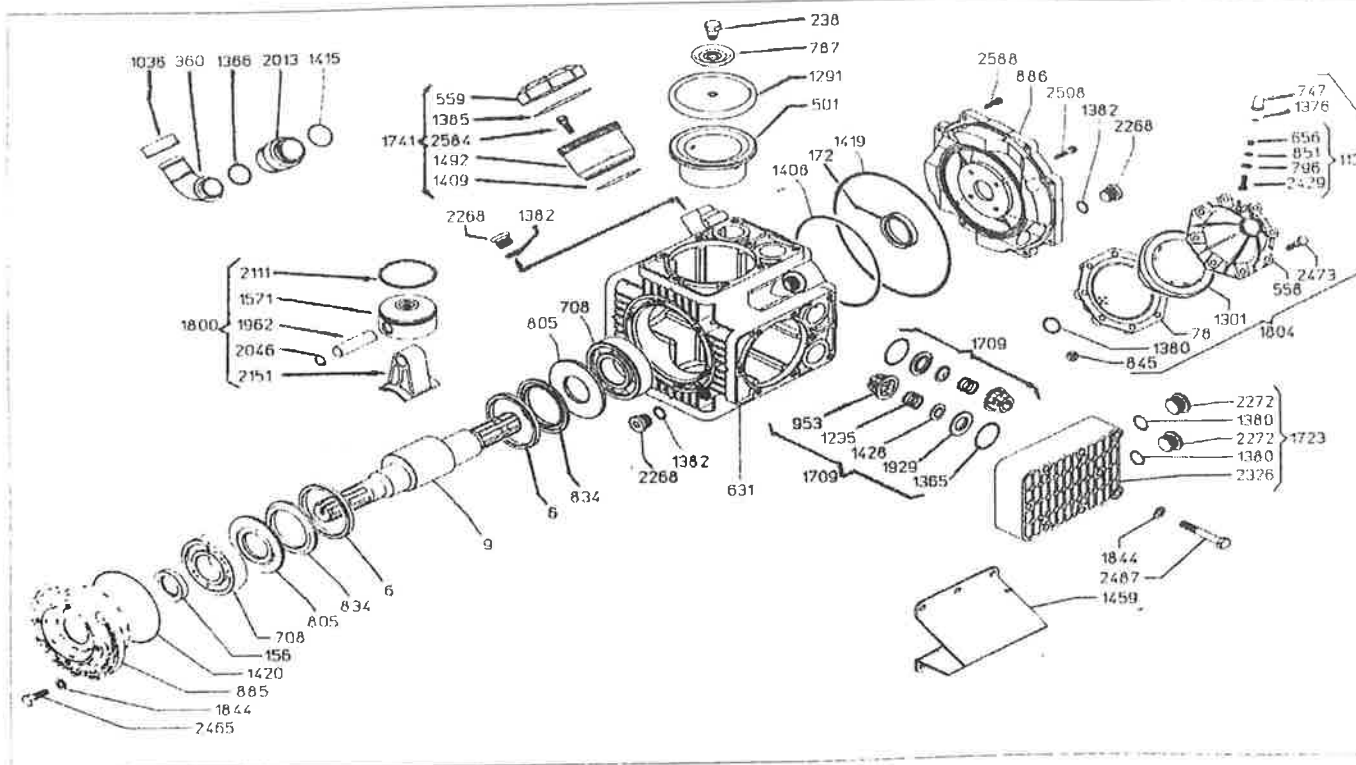
Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Maximum power requirement:
Oil Type:

Kappa 120

131 l/min
540 RPM
50 bar (710 psi)
11.8 KW (16 HP)
Motor Oil SAE 30W40

Kappa 150

153 l/min
540 RPM
50 bar (710 psi)
14.3 KW (19.5 HP)

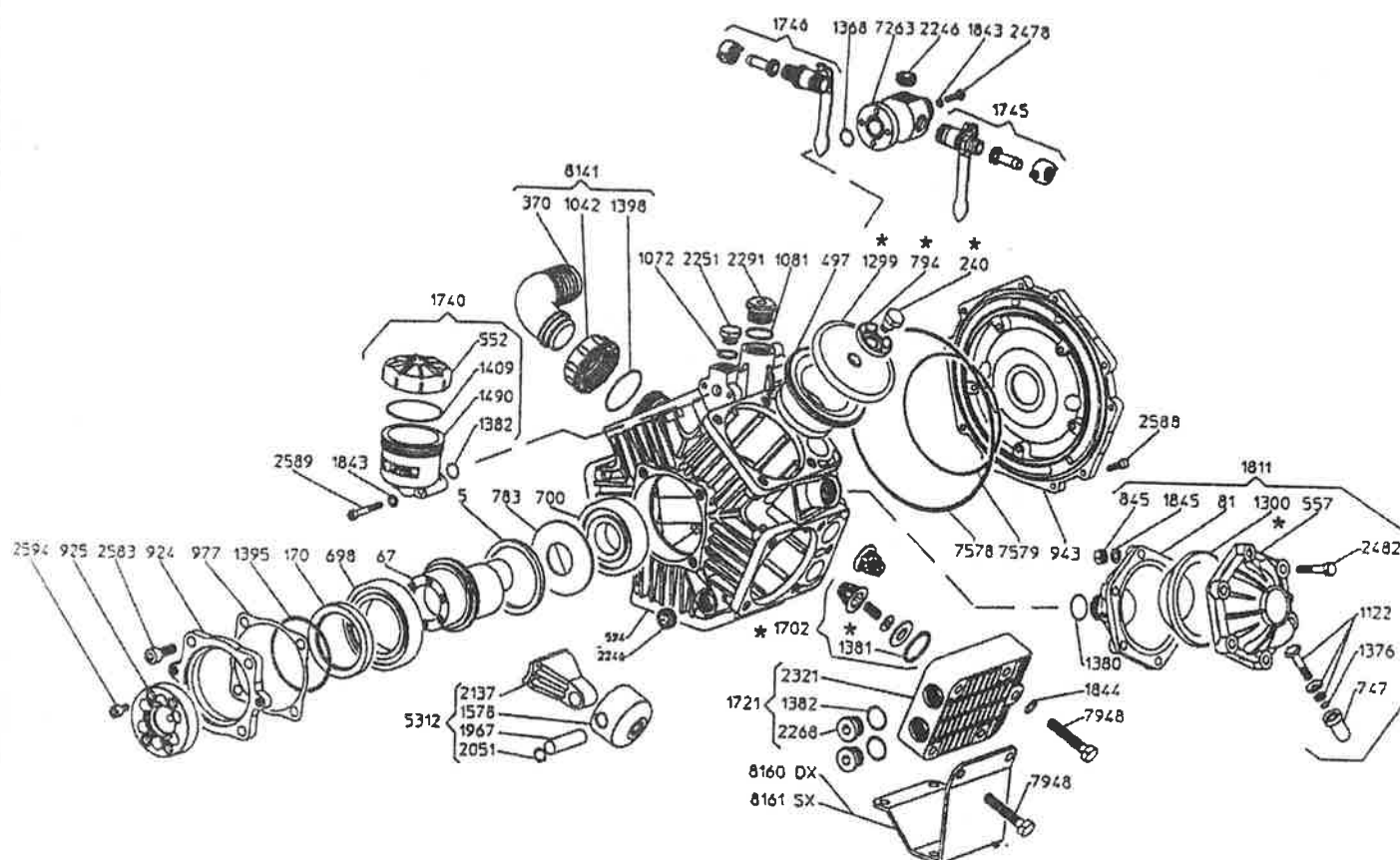


Kappa 150 difference with respect
to Kappa 120 pump.

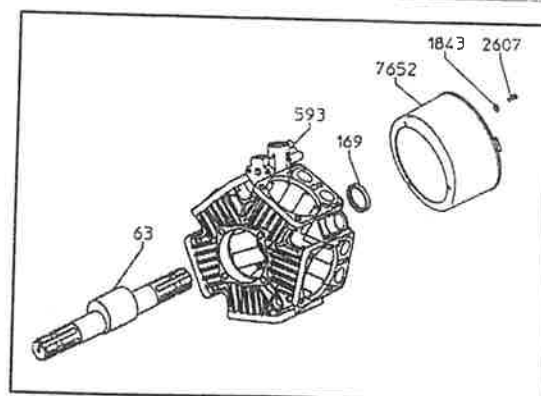
KAPPA 125



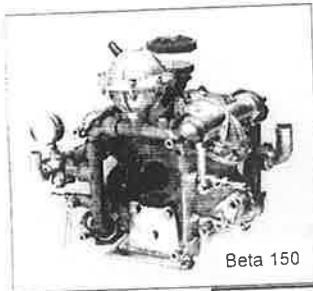
Maximum pump capacity: 125.1 l/min
 Maximum pump speed: 540 rpm
 Maximum pressure capacity: 40 bar (568 psi)
 Maximum power requirement: 9.02 kw (12.27 HP)
 Oil Type: Motor Oil SAE 30W40



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

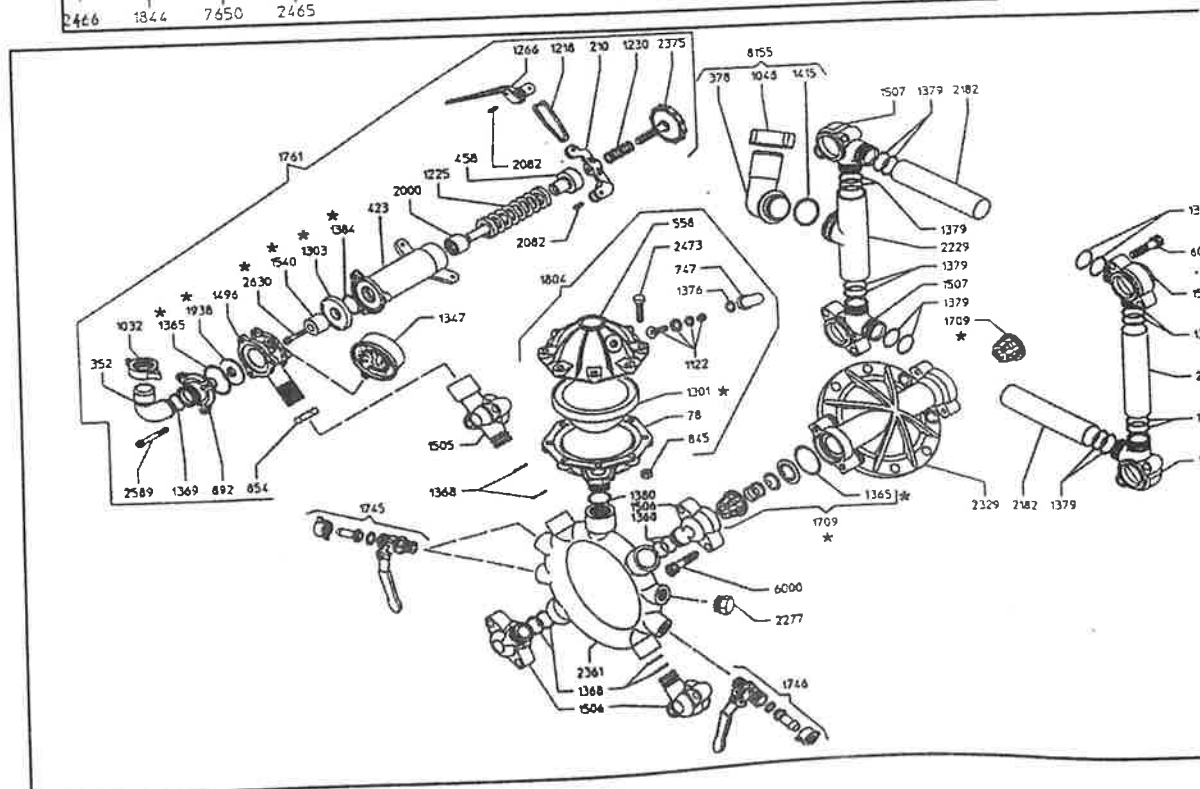
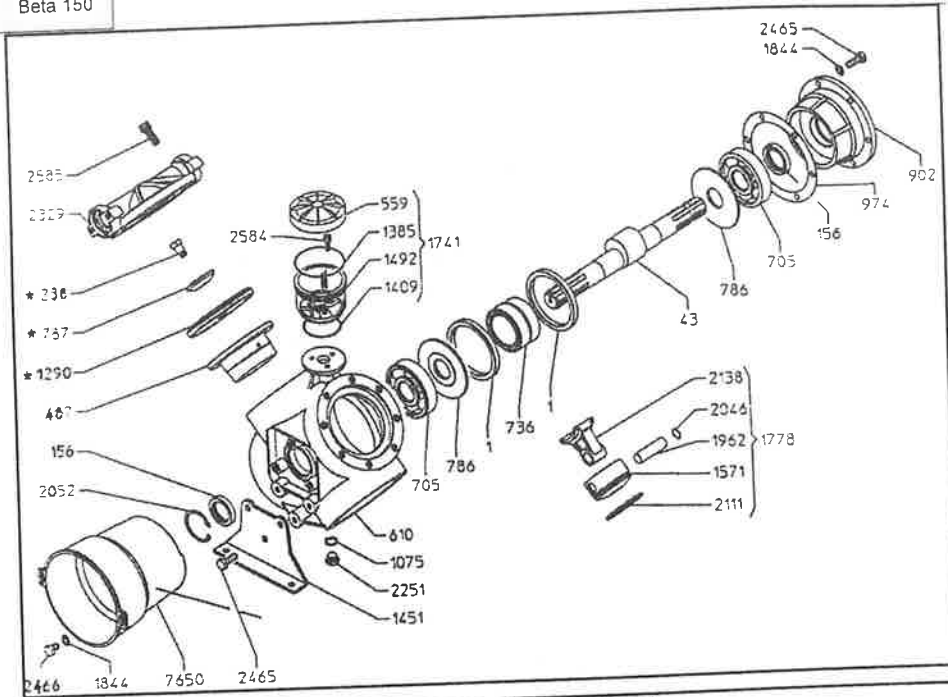


BETA150/2C



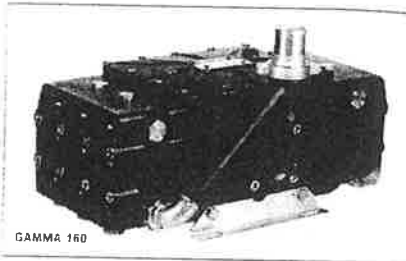
Beta 150

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

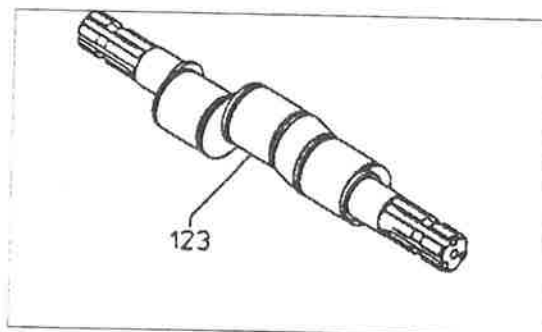
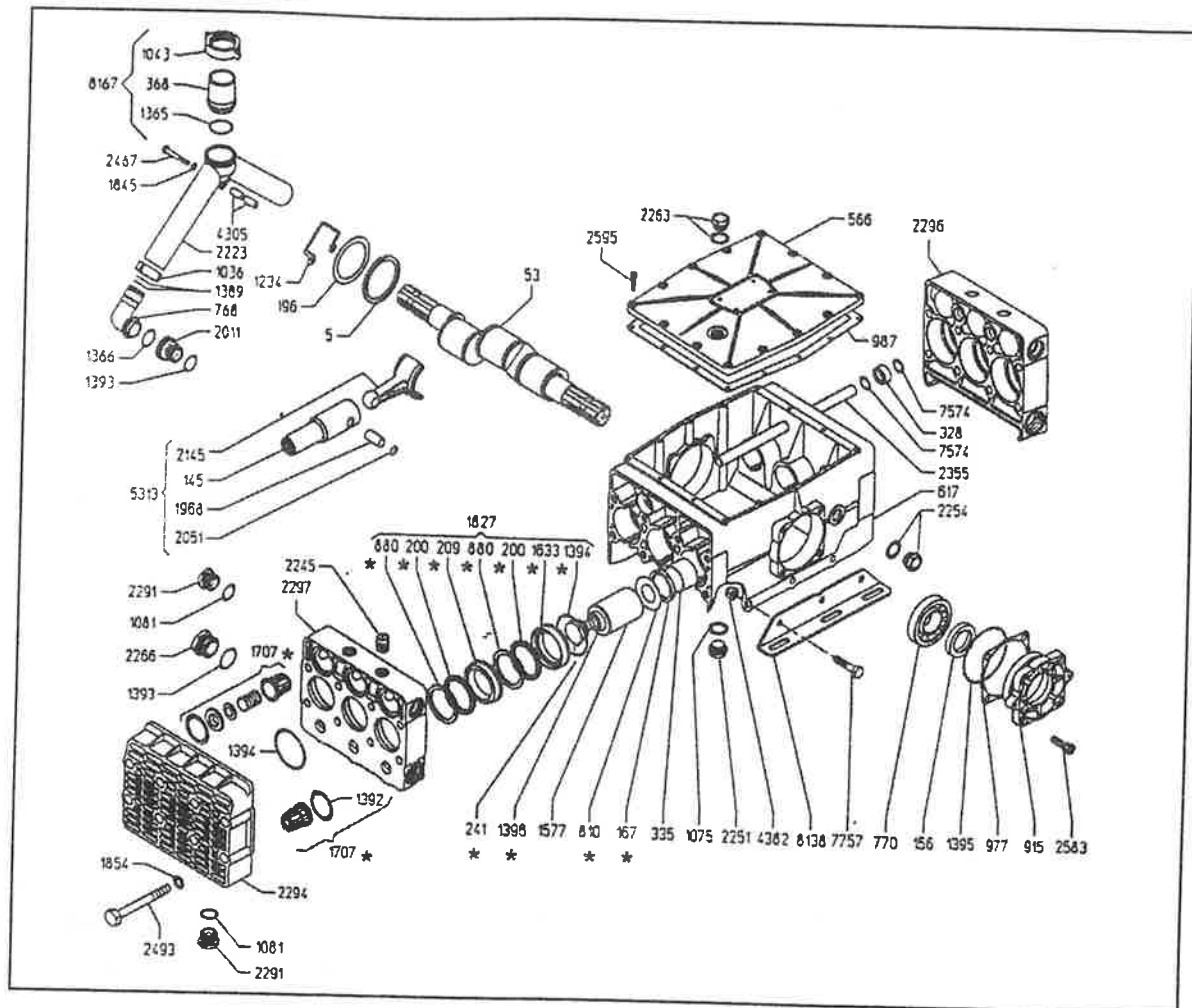


HIGH PRESSURE PLUNGER (PISTON) PUMPS

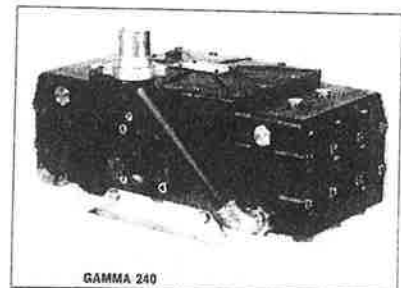
GAMMA 160 & GAMMA 240



	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	

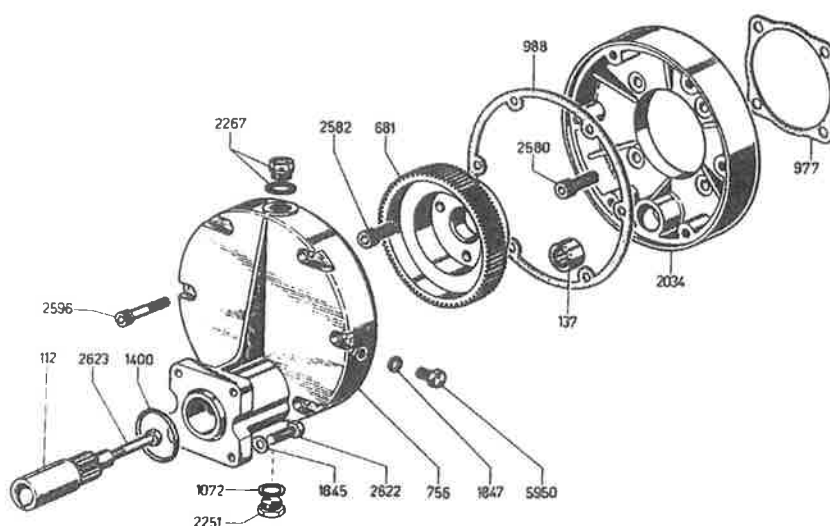


Gamma 240 TS/2C
differences in regard
to Gamma 160
TS/2C.



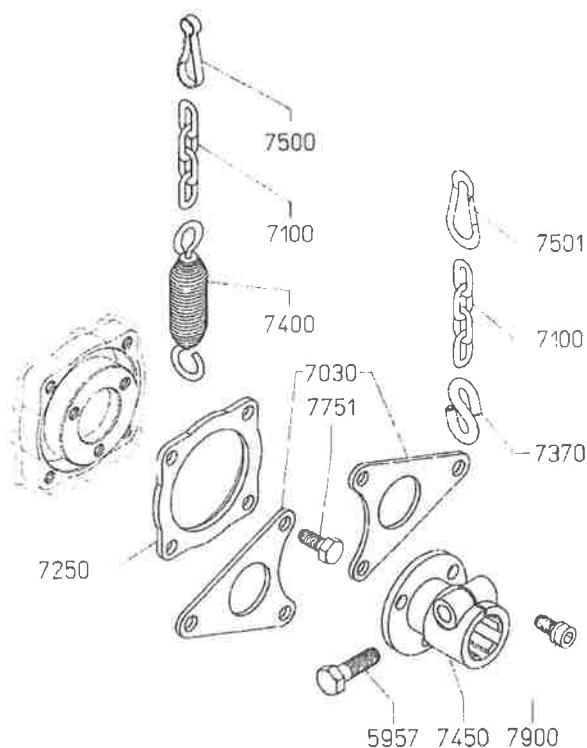
PUMP DRIVE ACCESSORIES

TAV 72 GEARBOX

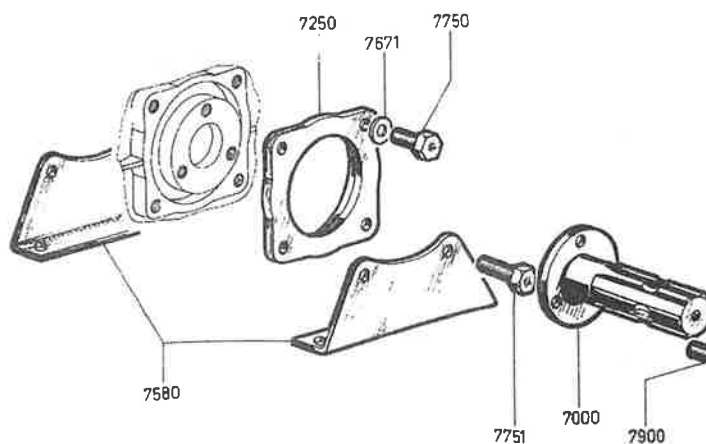


- 6:1 Reduction gearbox.
 - Used in conjunction with:
 - Kappa 30 & 3.5HP engine
 - RO70 & 5HP engine.
 - RO106 & 5HP engine.
- Oil Type: Gear oil SAE 80W!

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 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 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 RO 210 & 250

6	x	1291 Side diaphragms
1	x	1300 Air diaphragm
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 RO106 & RO121

3	x	1291 Side diaphragms
1	x	1300 Air diaphragm

UDOR RO160

4	x	1291 Side diaphragms
1	x	1300 Air diaphragm

UDOR RO210 & 250

6	x	1291 Side diaphragms
1	x	1300 Air diaphragm

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 on

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	0681-7425021322	GEAR
0078-7004000310	LOWER AIR CHAMBER	0698-7001021401	BEARING 6012
0081-7014000315	LOWER AIR CHAMBER	0700-7004021404	BEARING 6307
0112-7425000418	MOTOR ADAPTOR SPLINE	0701-7004021405	THRUST BEARING 6207
0133-7011000602	BEARING HK 25-20	0704-7012021409	BEARING 6305
0135-7015000606	BEARING HK3516	0708-7051021416	BEARING 6309
0136-7014000607	BEARING HK25-26	0735-7001021601	CON ROD BEARING NK4220
0137-7425000608	BEARING HK16-12	0738-7036021607	CON ROD BEARING NK55/35
0155-7001000701	SEAL	0747-7001021801	AIR VALVE COVER
0156-7004000702	SEAL 35x55x10	0756-7425022823	HOUSING-MOTOR
0157-7451000705	SEAL 35x72x10	0783-7063030152	KAPPA 125 BEARING WASHE
0169-7047000726	SEAL 35x47x7	0787-7004030103	DIAPHRAGM WASHER
0170-7047000727	SEAL D60X80X10	0791-7011030110	THRUST WASHER
0172-7051000734	SEAL 45x60x10	0792-7014030114	THRUST WASHER
0203-7634002303	TEFLON SEAL	0794-7015030114	DIAPHRAGM WASHER
0238-7003010203	DIAPHRAGM BOLT	0799-7014030124	THRUST WASHER
0240-7015010204	DIAPHRAGM BOLT	0801-7003030107	DIAPHRAGM WASHER
0355-7011020215	HOSE BARB 8	0802-7036030128	THRUST WASHER
0357-7003020218	DELIVERY HOSE BARB ELBOW 25	0803-7038030130	THRUST WASHER
0360-7202020222	BRASS BARB	0805-7051030134	WASHER
0362-7028020227	HOSE BARB 20	0820-7003030201	SPACER RING
0365-7008020252	HOSE BARB ELBOW 11/4"	0831-7038030250	SPACER RING
0375-7202020278	HOSE BARB ELBOW 38	0833-7023030252	SPACER RING
0376-7042020279	HOSE BARB ELBOW 50	0834-7051030253	SPACER
0396-7028020308	CONTROL VALVE SEAT	0838-7036030259	SPACER RING
0484-7015020609	CYLINDER LINER	0845-7001030301	AIR CHAMBER NUT M8
0489-7014020614	CYLINDER LINER	0871-7801030404	NUT M10
0493-7012020619	CYLINDER LINER	0885-7051050181	FLANGE KAPPA 120
0497-7045020624	PISTON SLEEVE	0886-7051050180	CRANKCASE
0499-7202020626	CYLINDER LINER	0901-7014050145	BEARING SUPPORT FLANGE
0501-7051020628	CYLINDER LINER	0905-7201050102	BEARING SUPPORT FLANGE
0527-7015020707	MANIFOLD END CLAMP	0907-7027050118	BEARING SUPPORT FLANGE
0552-7014020807	OIL BOWL CAP	0913-7413050144	FLANGE ADAPTER TAPEREC
0557-7016020820	UPPER AIR CHAMBER	0916-7021050162	SHAFT ADAPTER
0558-7004020821	UPPER AIR CHAMBER	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 UDOT PART NUMBERS

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

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

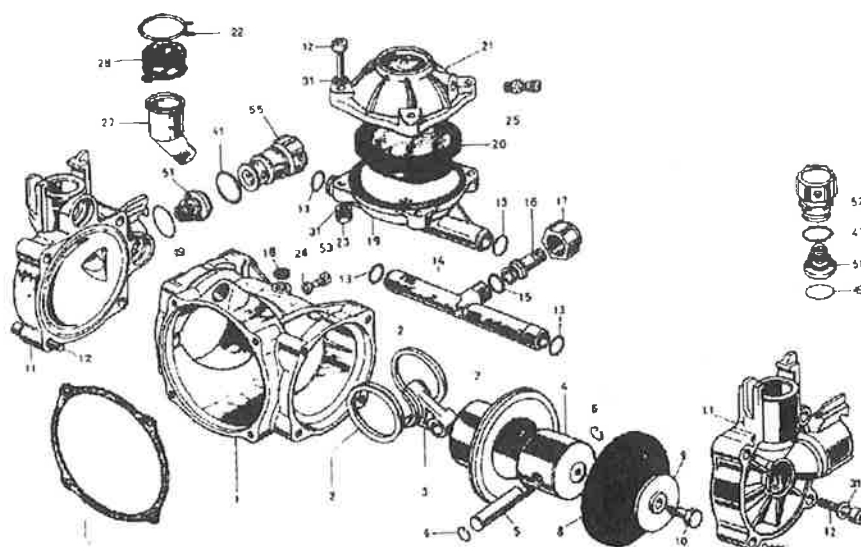
COMMONLY USED UDOR PART NUMBERS

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 COU- PLER)
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



Pps.	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	61.4574.00.2	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	8	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

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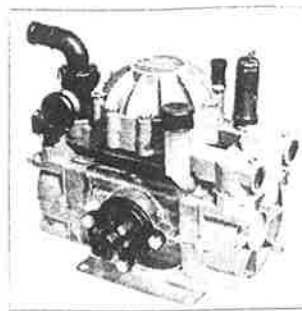


FIGURE 1:

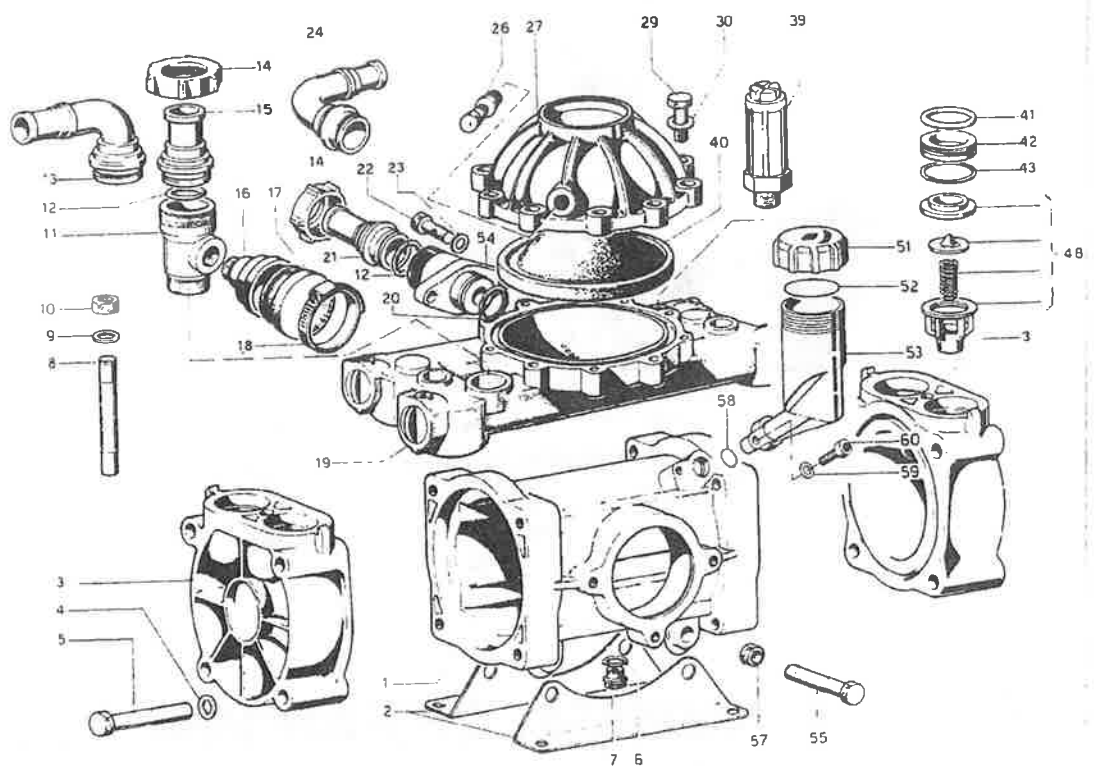
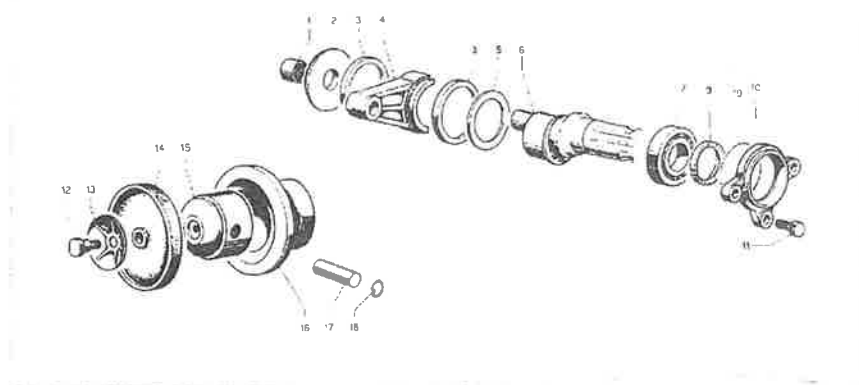


FIGURE 2:



SD67

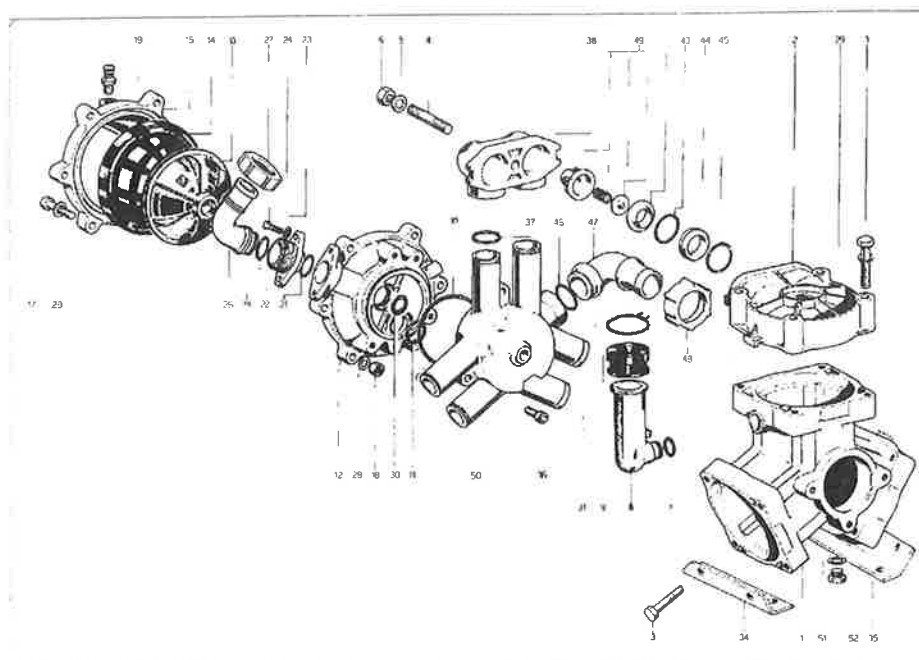
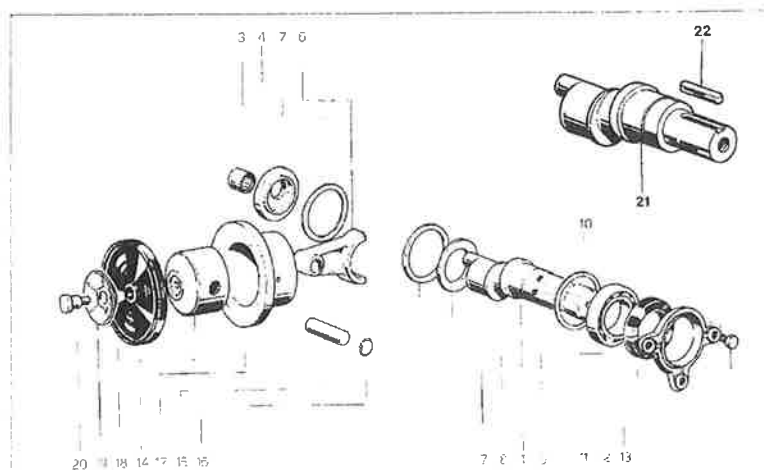
FIGURE 1:

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

SD103**FIGURE 3:****FIGURE 4:**

SD103

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:

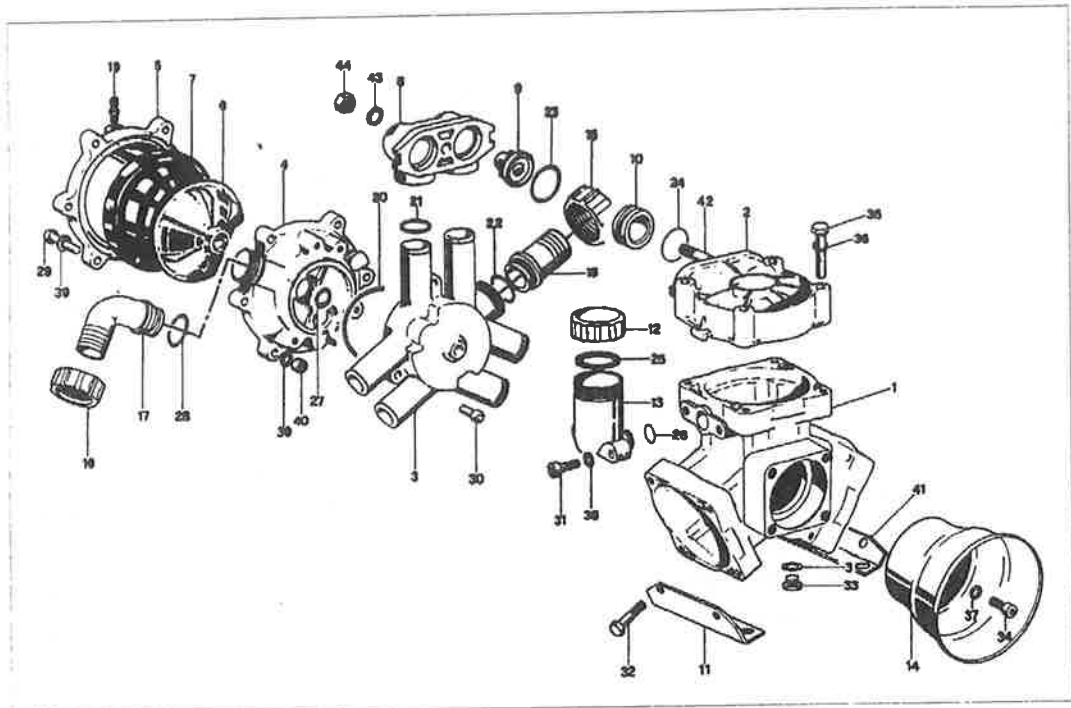
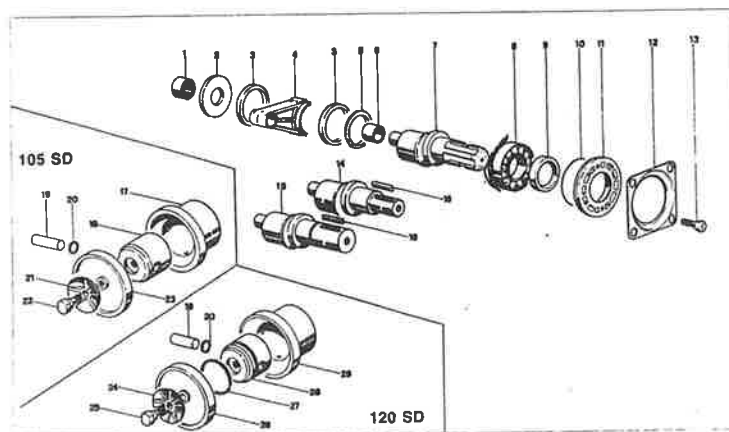


FIGURE 4A:



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

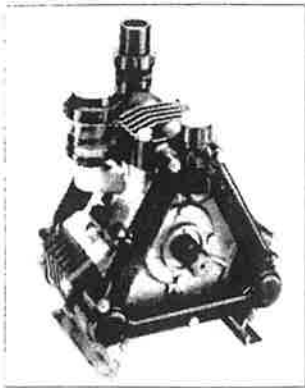


FIGURE 5:

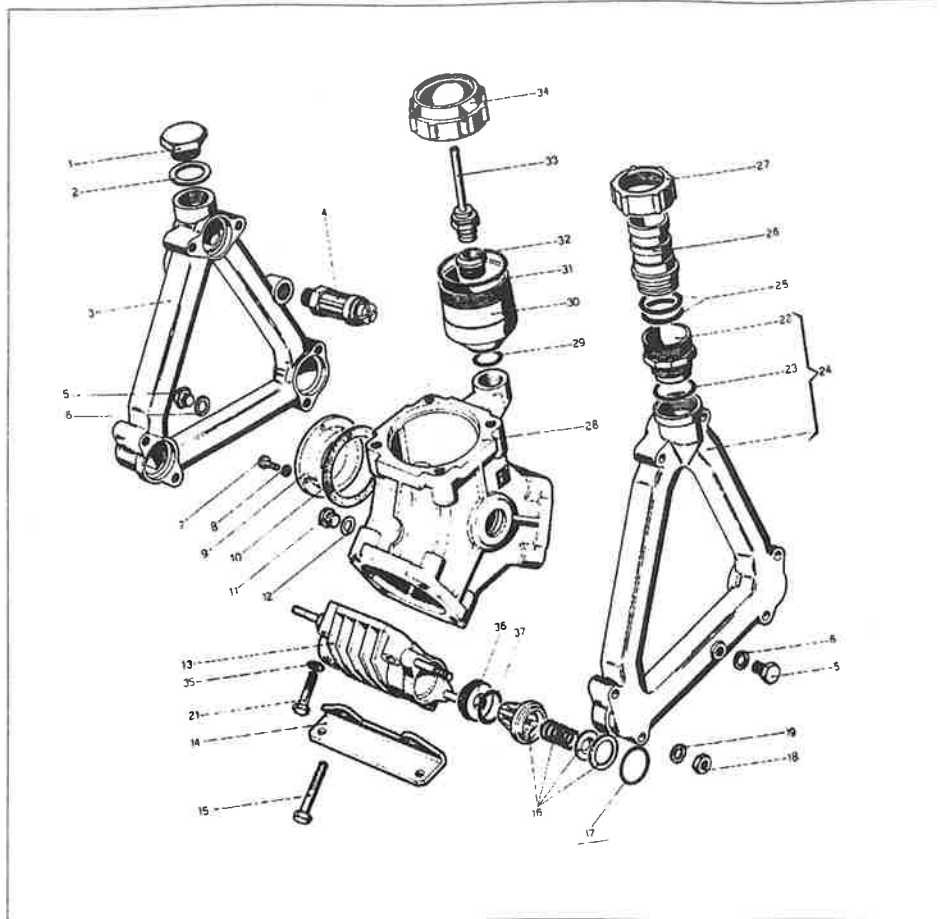
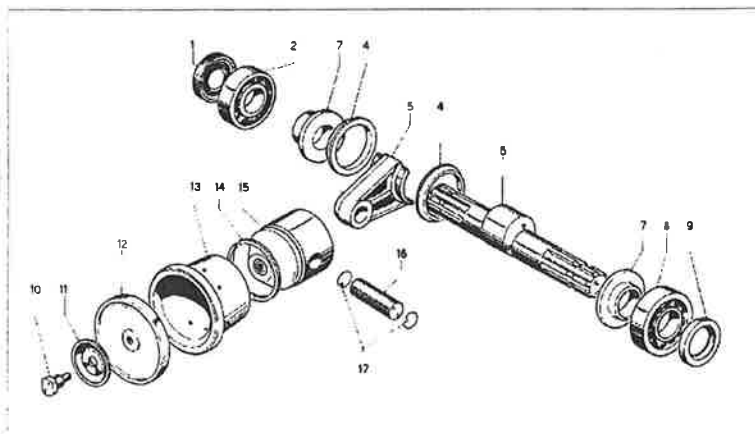


FIGURE 6:



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

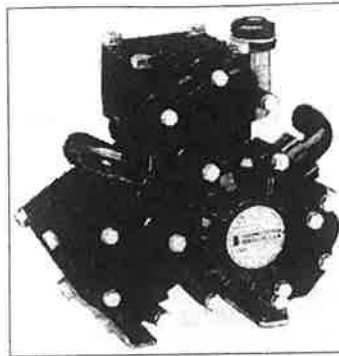


FIGURE 7:

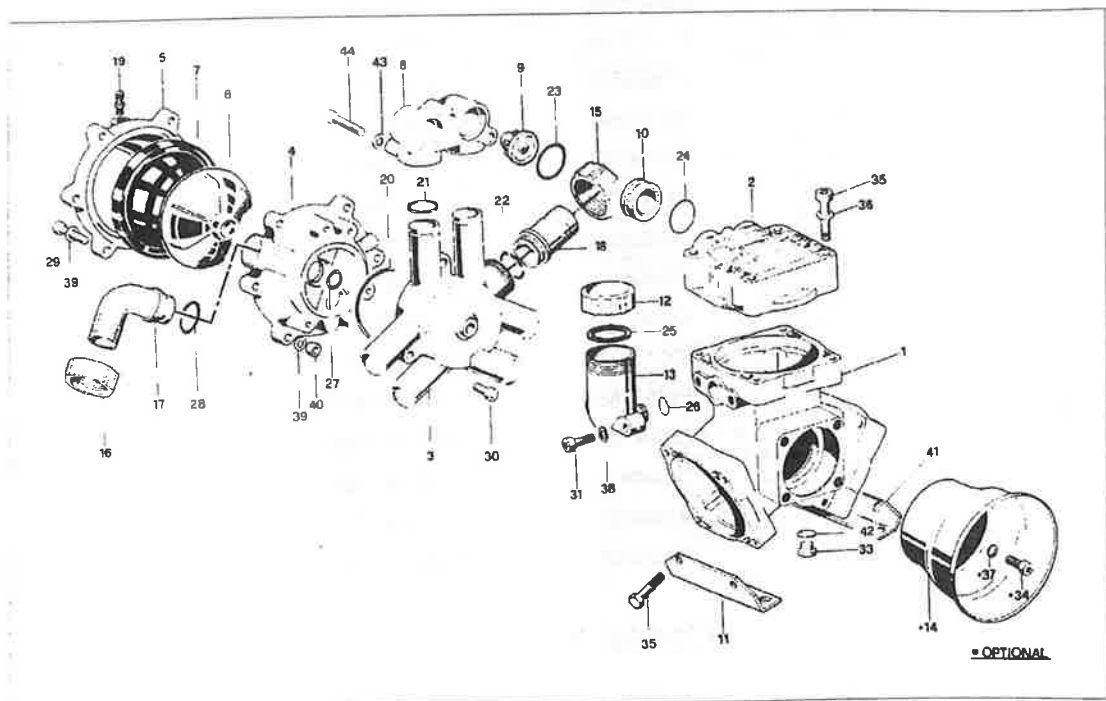
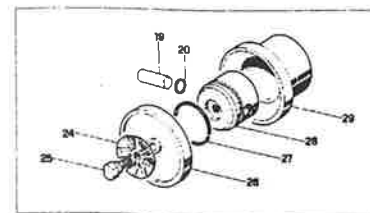
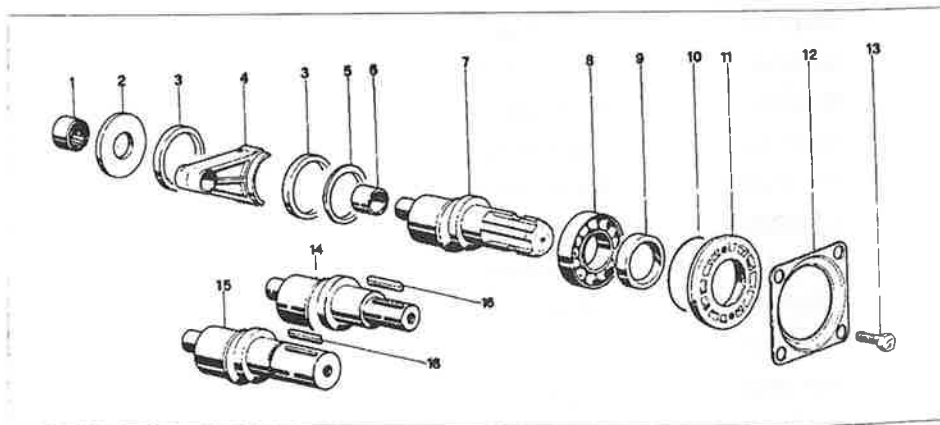


FIGURE 8:



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

POLYPUMP 160



FIGURE 9:

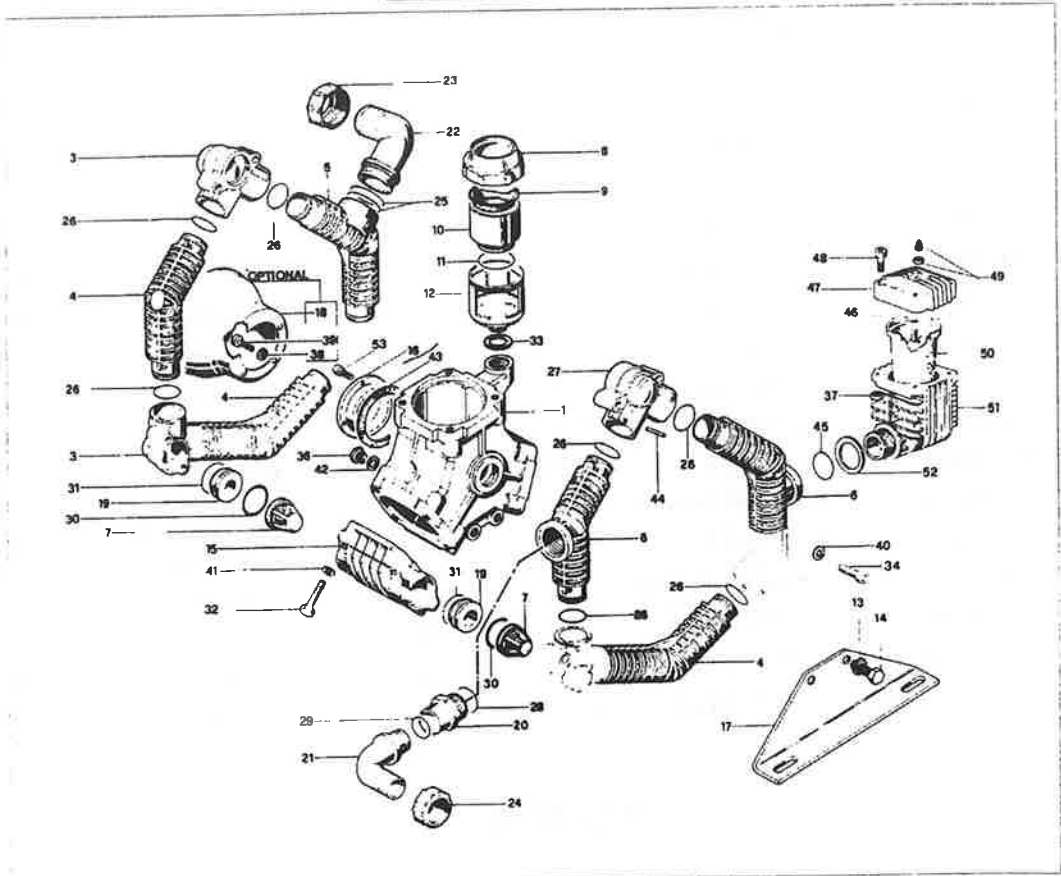
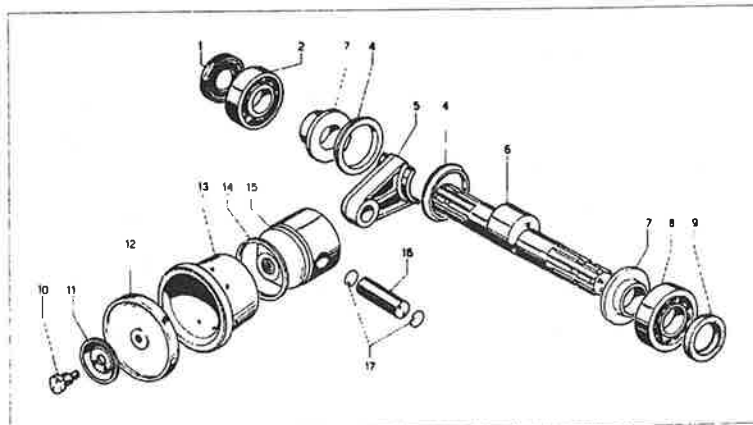


FIGURE 10:



POLYPUMP 160

FIGURE 9:

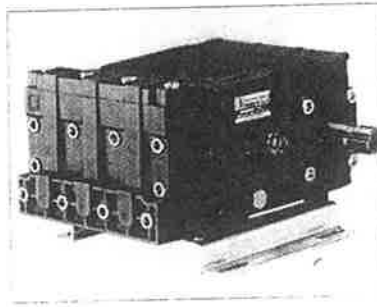
POSITION NO.	PART NO.	DESCRIPTION
1	270003072	Pump Housing
3	140004322	Manifold End
4	270032322	Manifold
5	270033322	Manifold with Port
6	270034322	Manifold with Port
7	289809973	Valve
8	280144322	Oil Bowl Cap
9	410017312	Oil Bowl Seal
10	410016322	Oil Bowl
11	803209402	O Ring 44.12x2.62
12	920150092	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

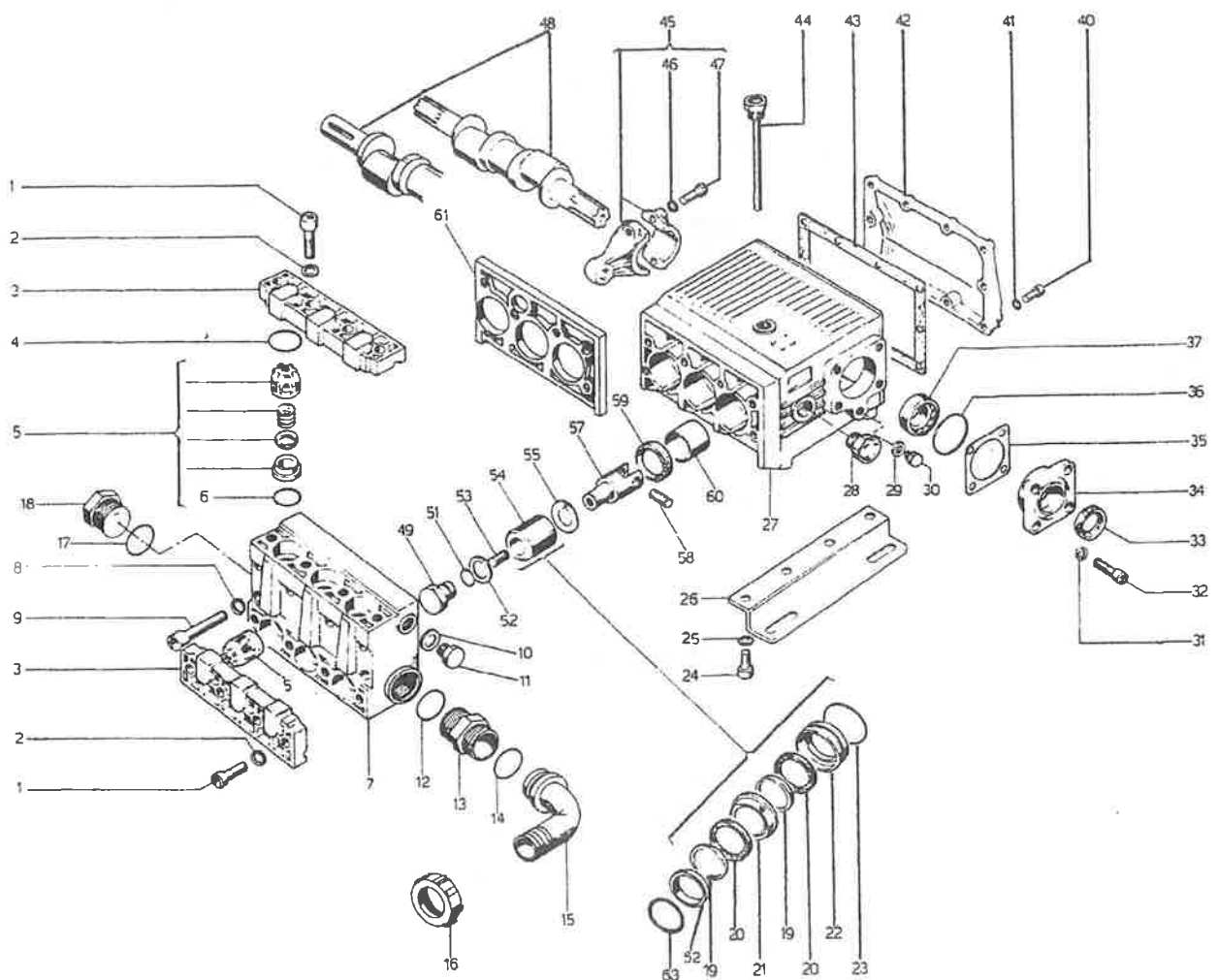
FIGURE 10:

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
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

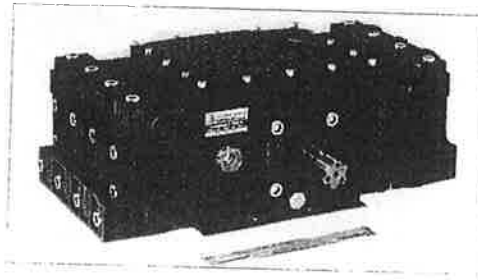
PISTON PUMP C 133 P



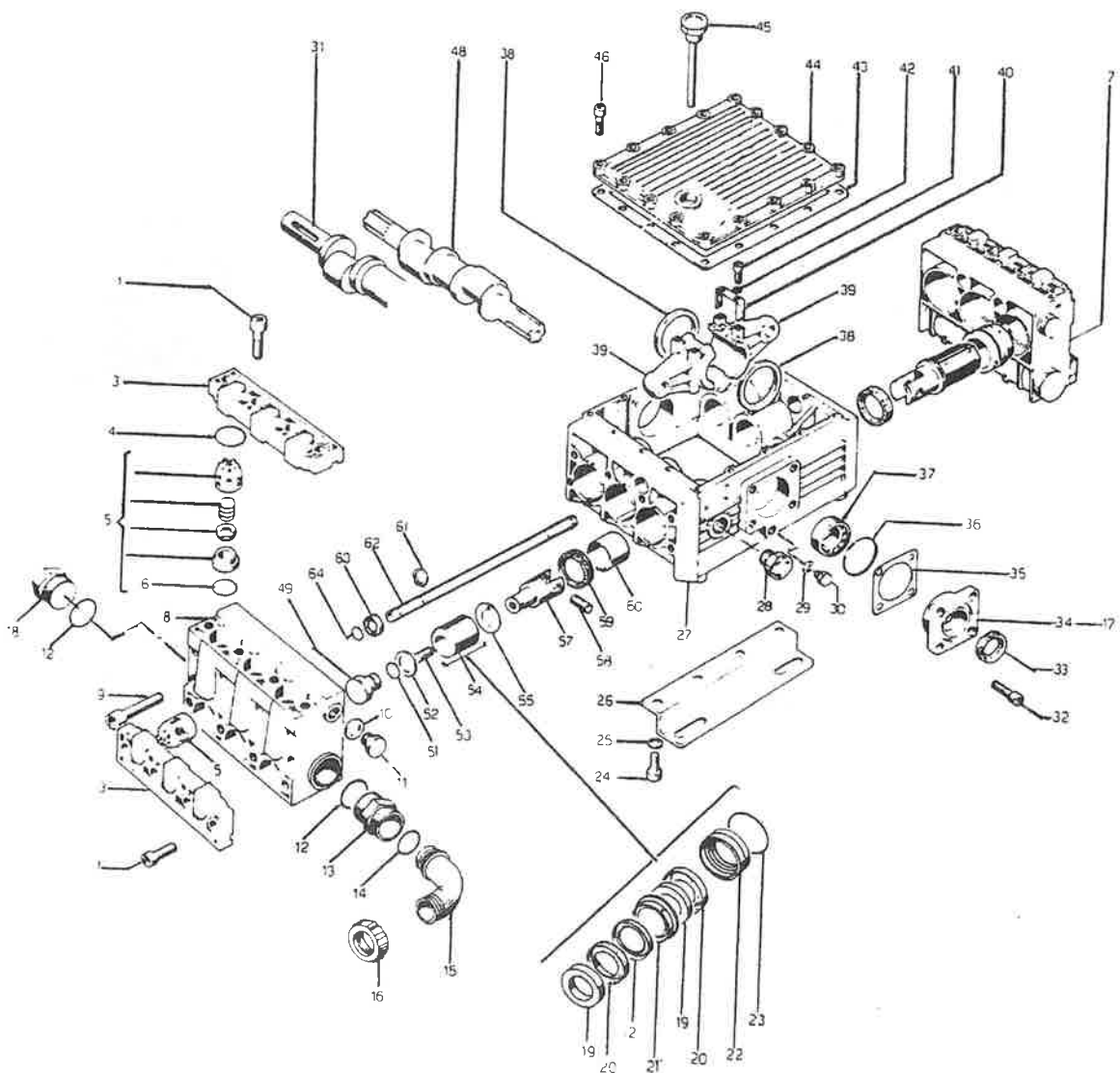
Order parts by position number, and pump make and model.



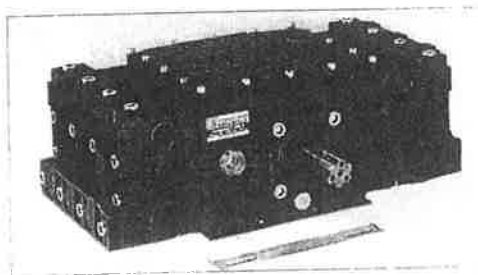
PISTON PUMP C 146 P



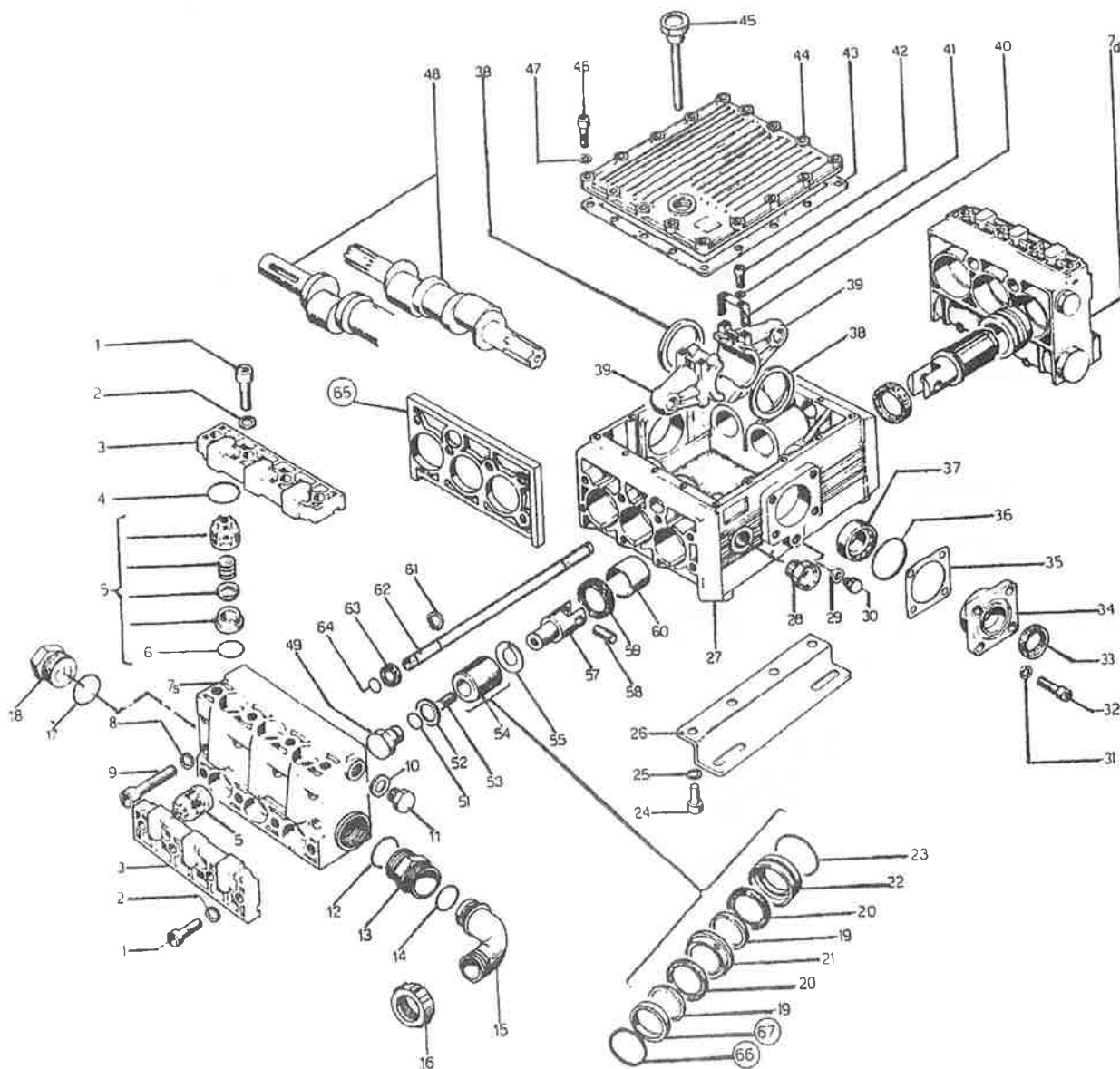
Order parts by position number,
and pump make and model.



PISTON PUMP C 181 P

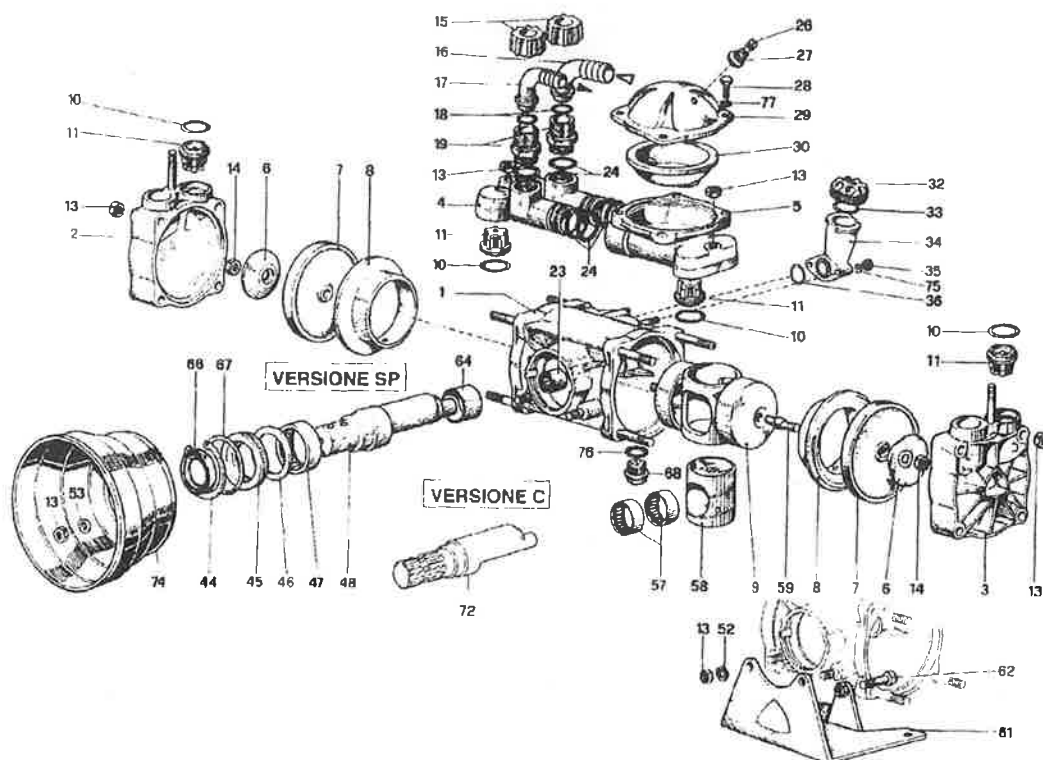


Order parts by position number,
and pump make and model.



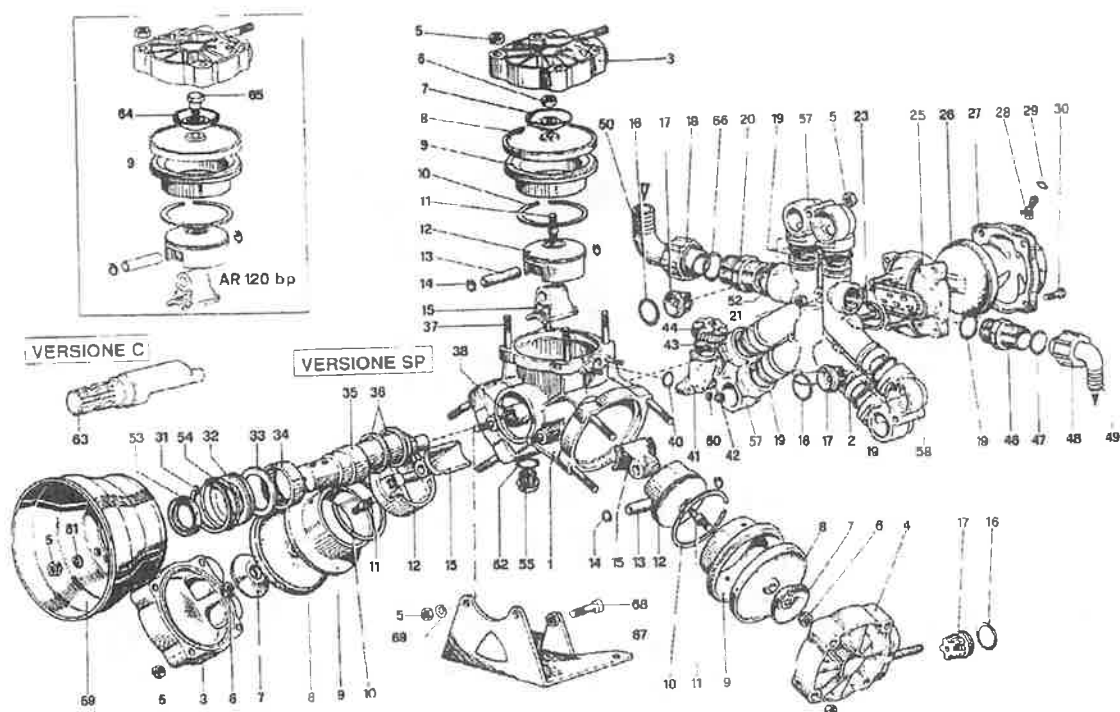
Goldacres carries a limited range of AR parts.

AR60



pos.	codice code	DENOMINAZIONE DESCRIPTION	Q.tà Q.ty
1	550010	Corpo pompa	1
2	550101	Testa valvole (destra)	1
3	550102	Testa valvole (sinistra)	1
4	550150	Attacco aspirazione-mandata	1
5	550180	Semisfera inferiore	1
6	580090	Piatello richiamo	2
7	550080	Membrana gomma	2
8	550085	Membrana Desmopan (A RICHIESTA)	2
9	550110	Camicia Ø75	2
10	550120	Pistone Ø75	1
11	320030	OR Ø31,5x4,5	4
12	559050	Valvola completa	4
13	180150	Dado M10 - 5587	12
14	550131	Dado M10	2
15	550242	Girello 1" G	2
16	550370	Curva Ø25	1
17	550380	Curva Ø19	1
18	550350	OR Ø23,81x2,62	2
19	550340	Niples 1" G (M)-1" G (M)	2
20	550310	Boccola a rullini HK2020	1
21	390290	OR Ø29x3	6
22	550300	Valvola di gonfiaggio	1
23	650542	Guarnizione	1
24	550680	Vite TE M8x20	4
25	550230	Semisfera superiore rossa	1
26	550190	Semicamera aria gomma	1
27	550050	Tappo serbatoio	1
28	550040	OR Ø26,65x2,62	1
29	550030	Serbatoio olio	1
30	390440	Dado M6 - 5587	2
31	180101	OR Ø17,5x2	1
32	200391	Anello seeger Ø62	1
33	550470	Bussola anello tenuta	1
34	550070	Rondella tenuta albero	1
35	550060	Boccola a rullini HK5020	1
36	550170	Albero eccentrico SP	1
37	200231	Grower Ø10,5	2
38	320620	Rosetta Ø10,5x21x2	2
39	550280	Boccola a rullini HK3516	2
40	550140	Cilindro traina pistone	1
41	550270	Perno membrana	2
42	580080	Piede corpo pompa	1
43	540300	Vite TCEI M10x30	1
44	550160	Distanziale	1
45	550191	Anello tenuta 45x55x7	1
46	650920	OR Ø53,65x2,62	1
47	130171	Tappo 3/8" G (già COD.30171)	1
48	550173	Albero eccentrico C (cardano)	1
49	540660	Protezione cardano (OPTIONAL)	1
50	550331	Rosetta Ø6,5x12,5x1,5	2
51	740290	OR Ø14x1,78	1
52	961340	Rosetta Ø8,5	4

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	58020	Pistone Ø80	3
15	380300	Scincillo Ø 14x48	3
16	380080	Anellino spinotto Ø 14	6
17	58040	Biella	3
18	320030	OR Ø31,5x4,5	6
19	550050	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	Niples 1"1/4 G - 1"1/4G AR 100 bp	1
24	540530	Niples 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	Vite TE M8x20	4
32	200391	Anello seeger Ø 62	1
33	550470	Bussola anello tenuta	1
34	550070	Rondella tenuta albero	1
35	550060	Boccola a rullini HK5020	1
36	550170	Albero eccentrico AR 100 bp SP	1
37	580380	Albero eccentrico AR 120 bp SP	1
38	580130	Anello biella	1
39	550200	Prigioniero M10x65	4
40	550310	Boccola a rullini HK5020	1
41	180101	OR Ø17,5x2	1
42	550030	Sorbatoio olio	1
43	390440	Dado M6 - 5587	2
44	550040	OR Ø26,65x2,62	1
45	550050	Tappo serbatoio	1
46	550340	Niples 1" G(M) - 1" G(M)	1
47	550350	OR Ø23,81x2,62	1
48	550242	Girello 1" G	1
49	550370	Curva Ø25	1
50	580040	Curva Ø30 AR 100 bp	1
51	540550	Curva Ø40 AR 120 bp	1
52	250310	OR Ø36,14x2,62	1

pos.	codice code	DENOMINAZIONE DESCRIPTION	Q.tà Q.ty
53	550491	Anello tenuta 45x55x7	1
54	650920	OR Ø53,65x2,62	1
55	130171	Tappo 3/8" G (già COD. 30171)	1
56	580071	Attacco aspirazione-mandata destro	2
57	580072	Attacco aspirazione-mandata sinistro	1
58	540660	Protezione cardano (OPTIONAL)	1
59	550331	Rosetta 6,5x12,5x1,5	2
60	320620	Rosetta Ø 10,5x21x2	2
61	740290	OR Ø14x1,78	1
62	550173	Albero eccentrico AR 100 bp C (cardano)	1
63	580330	Albero eccentrico AR 120 bp C (cardano)	1
64	580370	Piattello richiamo AR 120 bp	3
65	580360	Perno membrana AR 120 bp	3
66	390291	OR Ø28,25x2,62 AR 100 bp	1
67	250310	OR Ø36,14x2,62 AR 120 bp	1
68	580080	Piede corpo pompa	1
69	540300	Vite TCEI M10x30	1
70	200231	Grower Ø 10,5	2
PARTI SPECIALI IN VITON			
8	550084	Membrana VITON	3
26	550192	Semicamera aria VITON	1

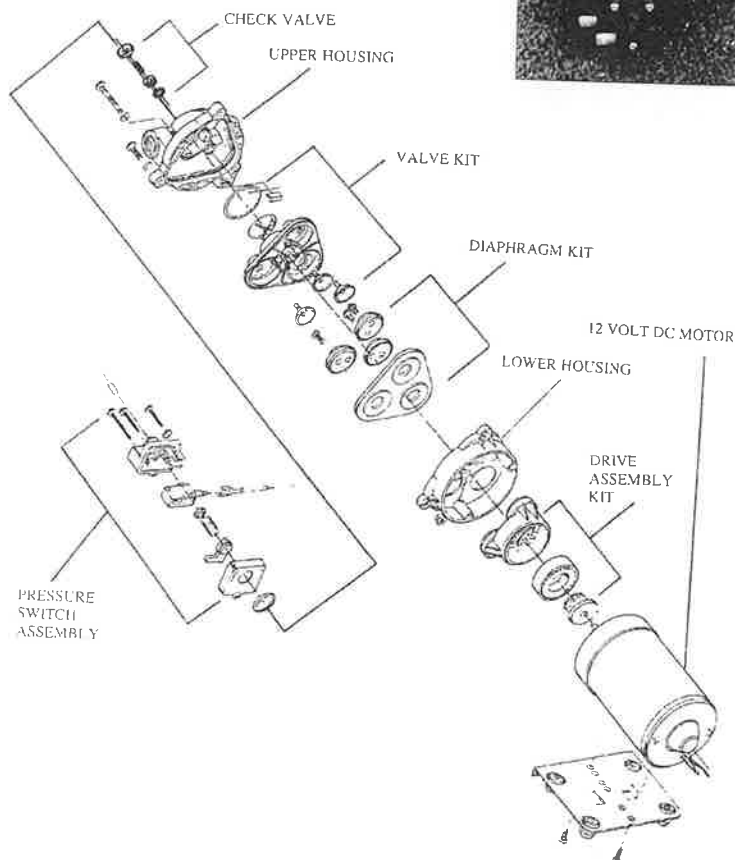
12 VOLT SINGLE DIAPHRAGM PUMPS

SHURFLO 8000 SERIES



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

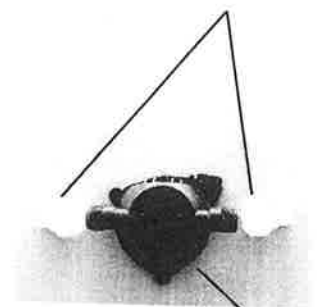
Shurflo 8000 Series 8000543236



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 2135 SERIES

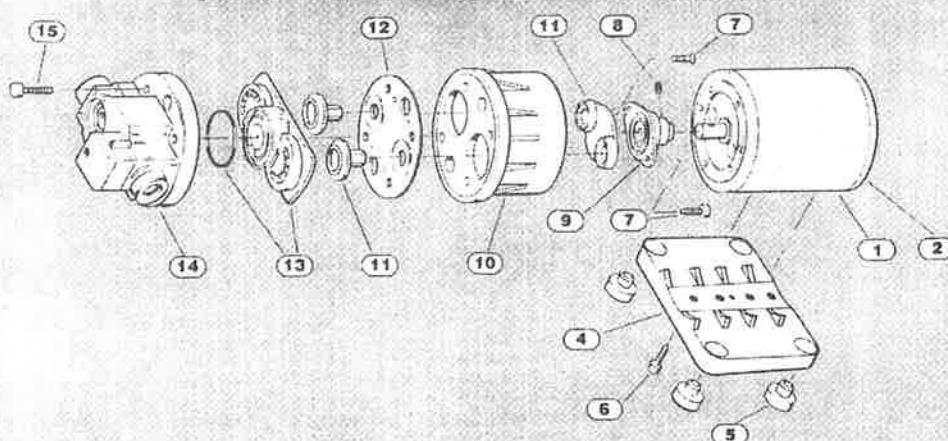


Open flow capacity: 7.6 L/min
 Maximum pressure capacity: 70 psi
 Voltage: 12V DC
 Current: 10 Amp

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 (Buna diaphragm)
21004-402	8, 9, 11, 12	Cam bearing / diaphragm (Santo diaphragm)
21046-029	7, 8, 9, 11, 12, 13	Pump service kit

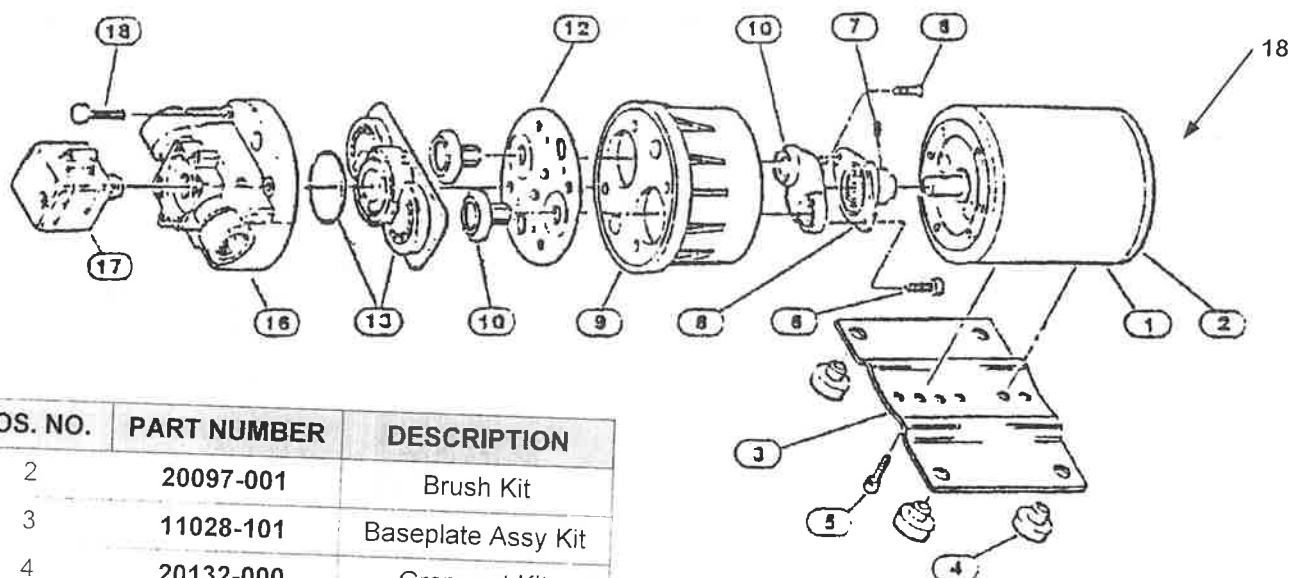
12 VOLT SINGLE DIAPHRAGM PUMPS

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

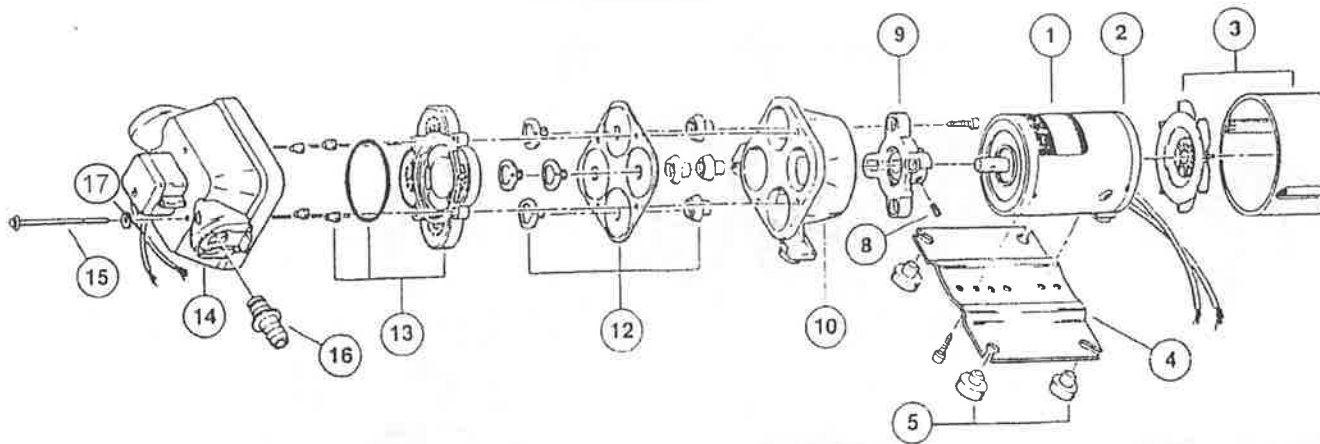
12 VOLT SINGLE DIAPHRAGM PUMPS

FLOJET 4300 SERIES



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

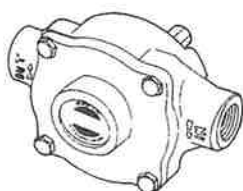
Flojet Quad 4300 Series 4300500A



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

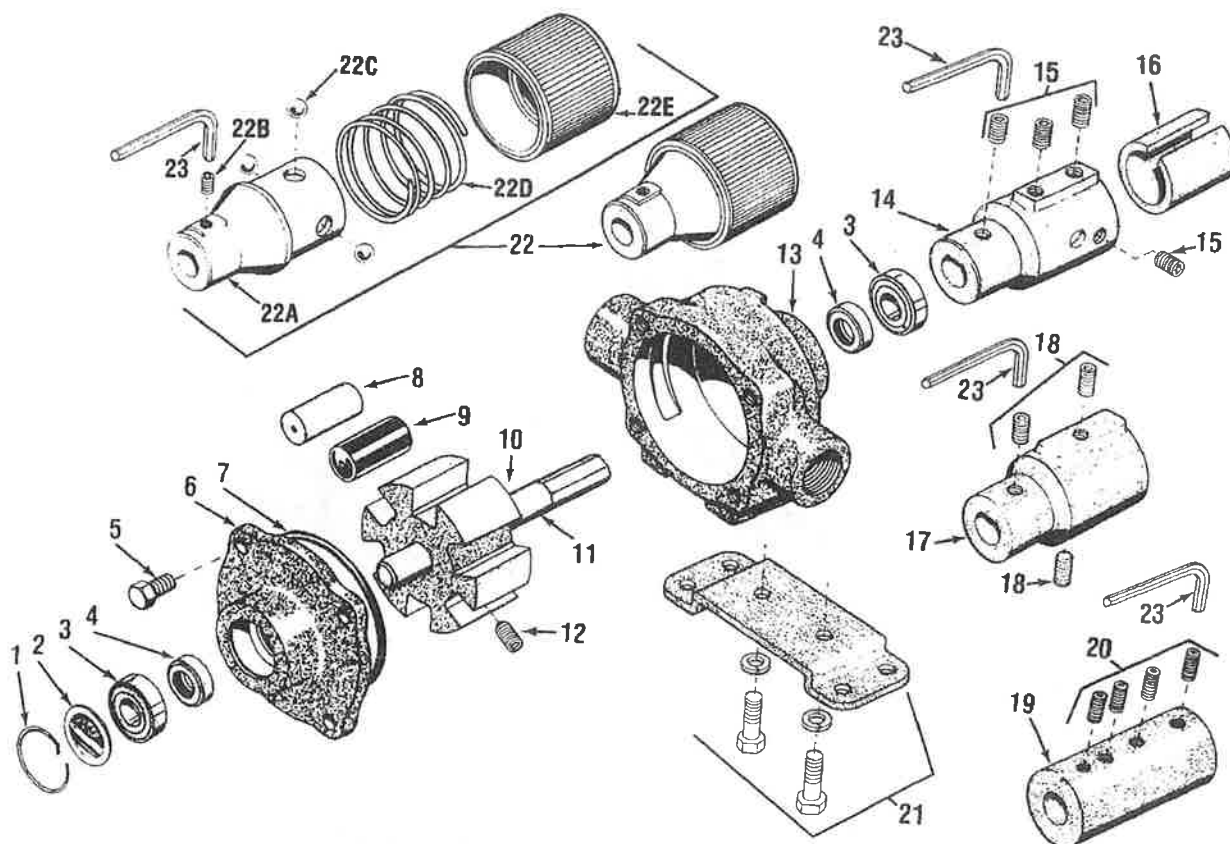
ROLLER PUMPS

HYPRO 6500C (Cast Iron)
HYPRO 6500XL (Silver Cast)



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

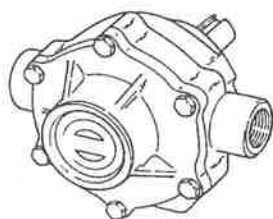
@ 540 rpm
 36.7 l/min
 @ 1000rpm
 68.9l/min
 1200 RPM
 20 bar (284 psi)
 3/4"
 5/8" Solid



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)

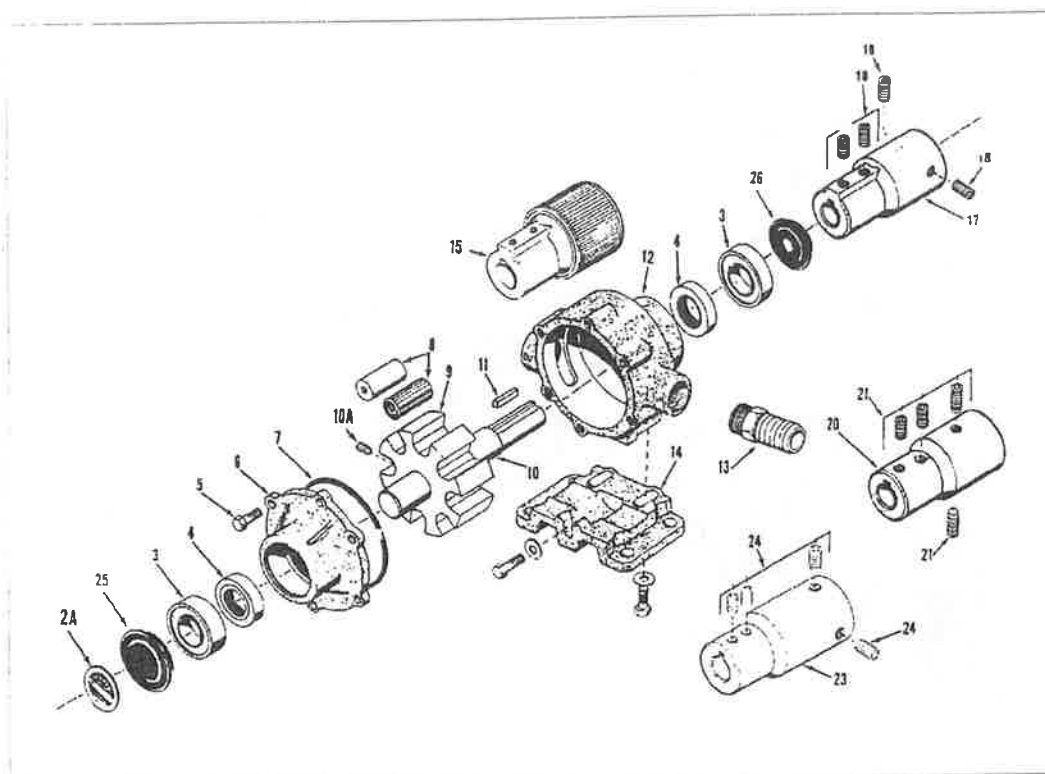


Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 540 rpm
45 l/min

@ 1000 rpm
85 l/min

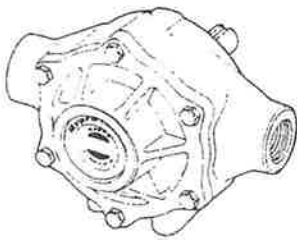
1000 RPM
20 bar (284 psi)
3/4"
15/16" Solid



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)

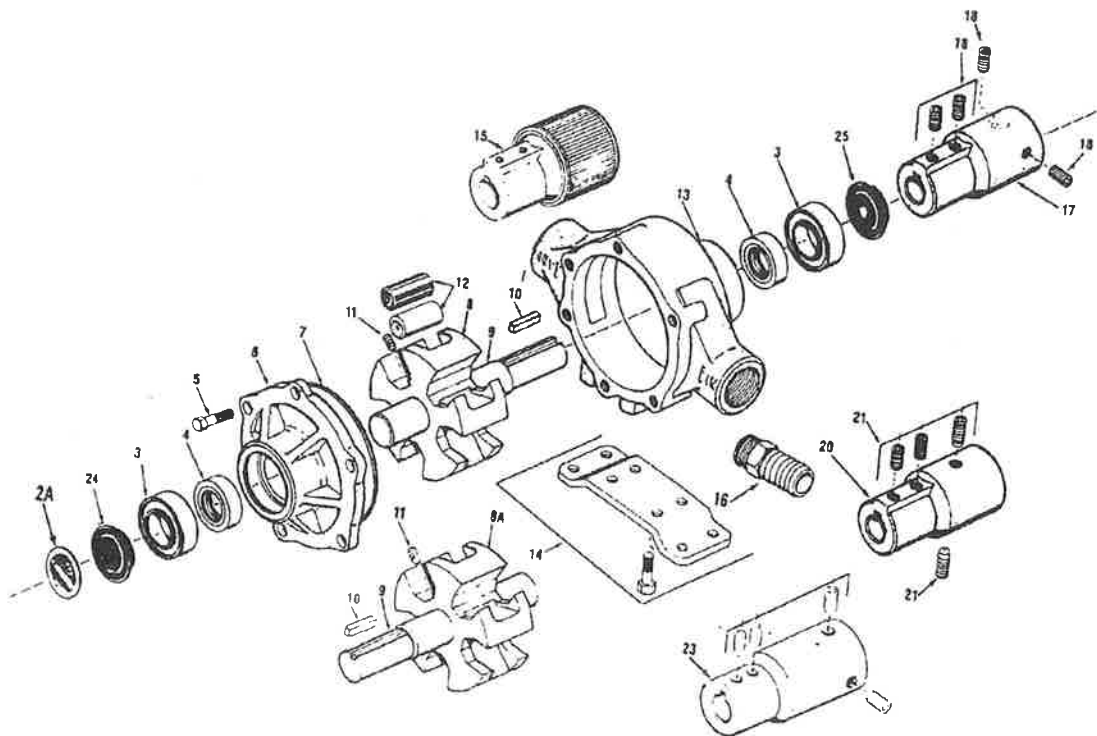


Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 540 rpm
94 l/min

@ 1000 rpm
170 rpm

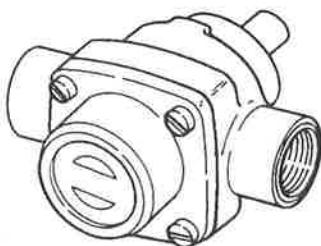
1000 RPM
13 bar (185 psi)
1"
15/16" Solid



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)

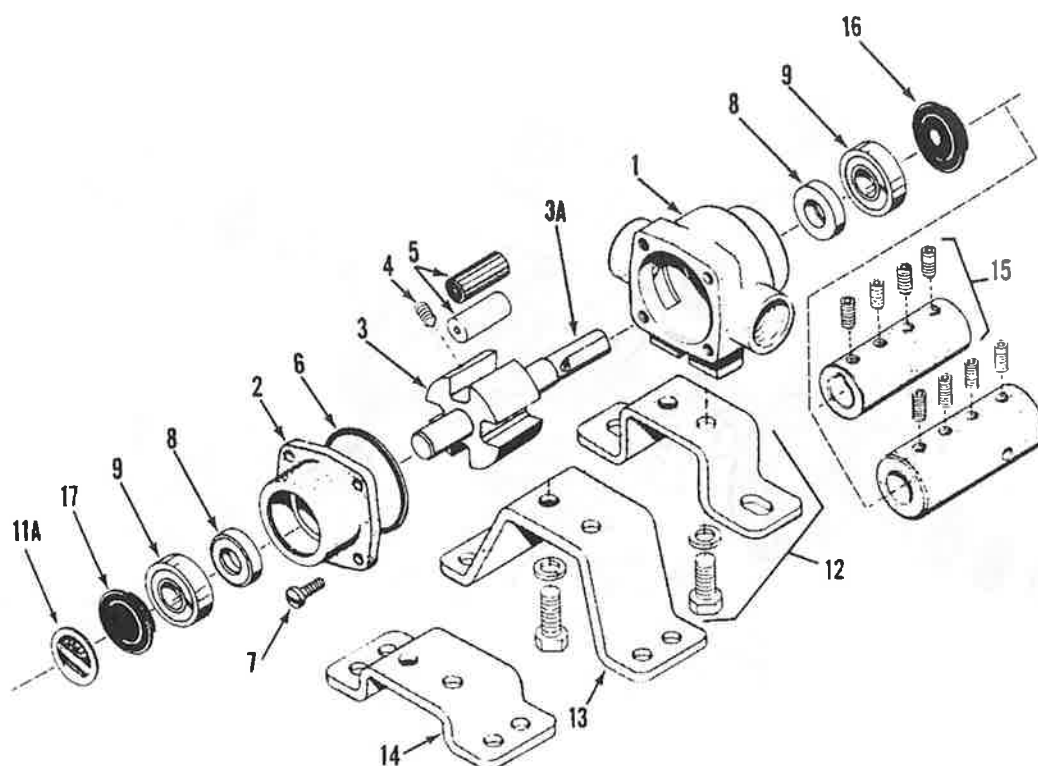


Maximum pump capacity:
Maximum pump speed:
Maximum pressure capacity:
Ports:
Shaft:

@ 1800 rpm
19 l/min

@ 2200 rpm
24 l/min

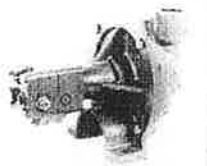
2600 RPM
10 bar (142 psi)
3/4"
5/8" Solid



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

RK-BAC-75-HYD

Water Pump Repair Kit

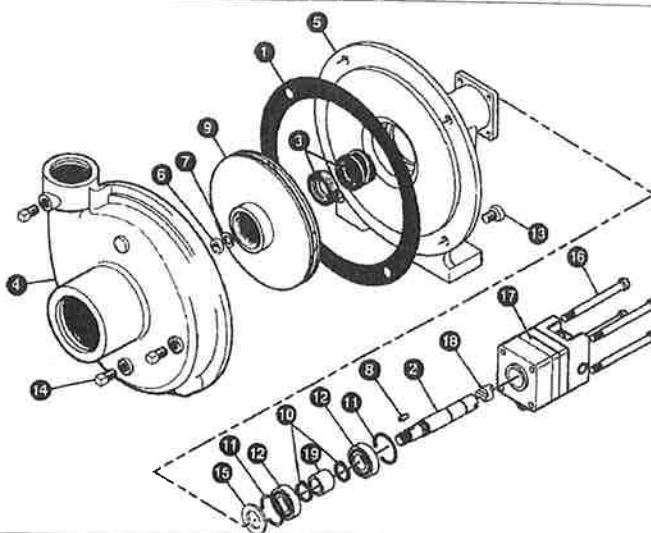
RK-FMC

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

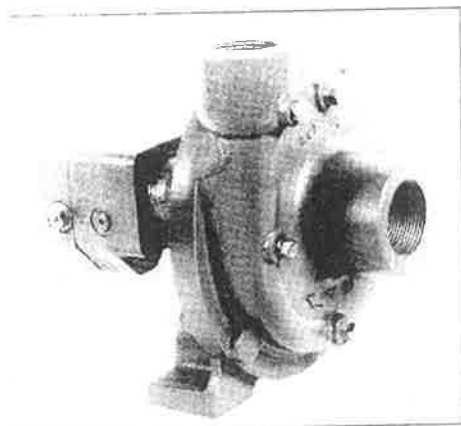
**RKBAC75HYD**Ace hydraulic pump
oil kit**RKFMC**

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

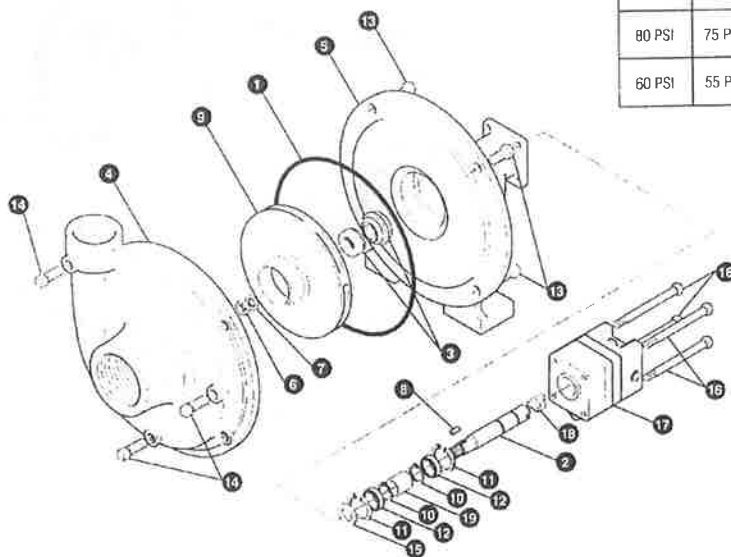


- 670 kpa at 75 L/min.
- Suction 1 1/2". Discharge 1 1/4".
- 26 L/min hydraulic motor.
- Viton mechanical seal.
- Recommended for the following Hydraulic Systems:
 - Pressure compensating John Deere type closed centre
 - Load sensing variable flow Case-IH type closed centre
 - Open centre systems 26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

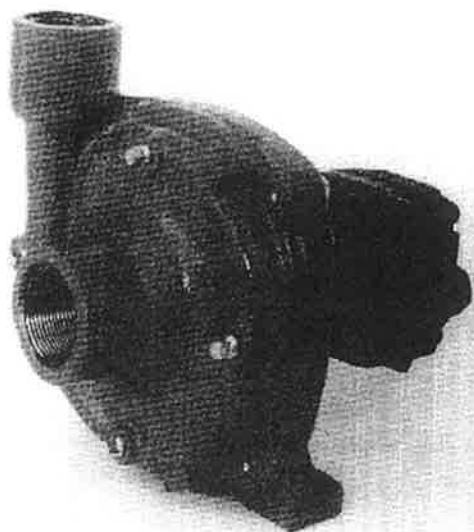


Ref. #	PART NO.	EDP NO.	DESCRIPTION	REQ.
*1	BAC-4-150	40015	"O" Ring, volute	1
2	BAC-6-HYD	40060	5/8" Driven shaft with tang slot	1
2	BAC-6-HYD-SS	40061	5/8" Driven shaft with tang slot, stainless steel (optional)	1
#	BAC-7B	40110	Buna-N mechanical seal (optional)	1
*3	BAC-7V	40151	Viton mechanical seal (includes 40160 "O" ring)	1
#	BAC-7SC	40152	Silicon carbide mechanical seal (includes 40160 "O" ring) (optional)	
*#	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 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, 9303C-HM2C, 9303C-HM3C, 9303C-HM4C, 9304C-HM1C, 9304C-HM3C & 9304C-HM5C

- * 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
 9304C 2" NPT inlet
 1 1/2" NPT outlet
- * Max. fluid temperature 60°C
- * Housing: cast iron
- * Impeller: 9303C series: glass filled nylon 9304C series: cast iron
- * Motor: Internal gear gerotor
- * Hydraulic ports: 1/2" NPT
- * Motor capacities: 5pm to 20 gpm
- * Weight: 9.52 kg
- * Centrifugal shaft seals: Viton/ceramic are standard
- * Hydraulic motor seal: double-lip Teflon

9303C

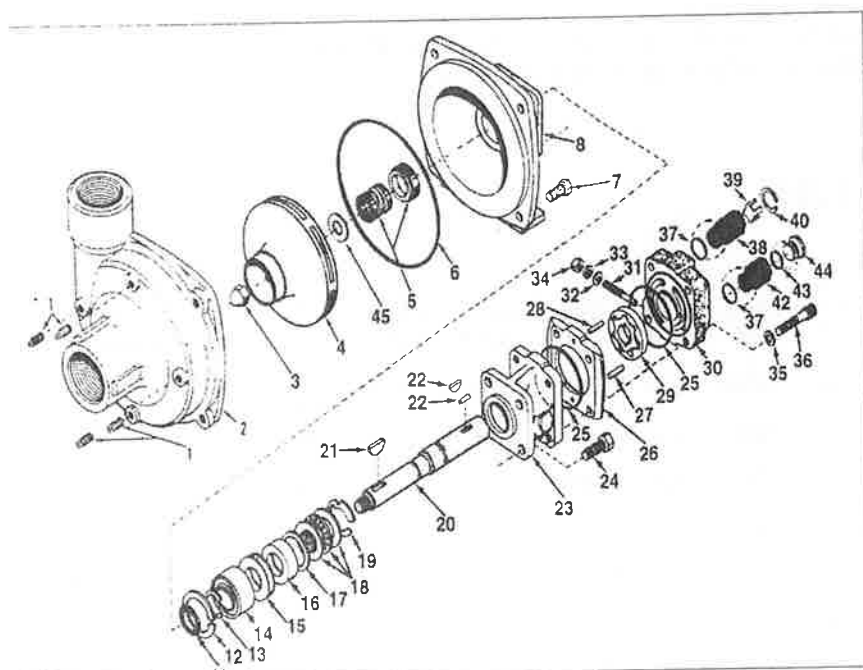
	Hydraulic Flow	L/min at 10	L/min at 20	L/min at 30	L/min at 40	L/min at 50	L/min at 60	L/min at 70	L/min at 80	L/min at 90	L/min at 100	L/min at 110	L/min at 120	L/min at 130
HM1C	50 L/min	523	473	459	436	409	373	300	264	214	141			
	55 L/min	555	500	496	482	477	459	418	368	286	218	164	41	
	59 L/min	559	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				

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-R
	37	Port adaptor O-Rin
3430-0187 (HM4 only)	37	Port adaptor O-Rin
	42	Pressure port adap
	43	Orifice O-Ring
	44	3 x Metering orifice

** 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

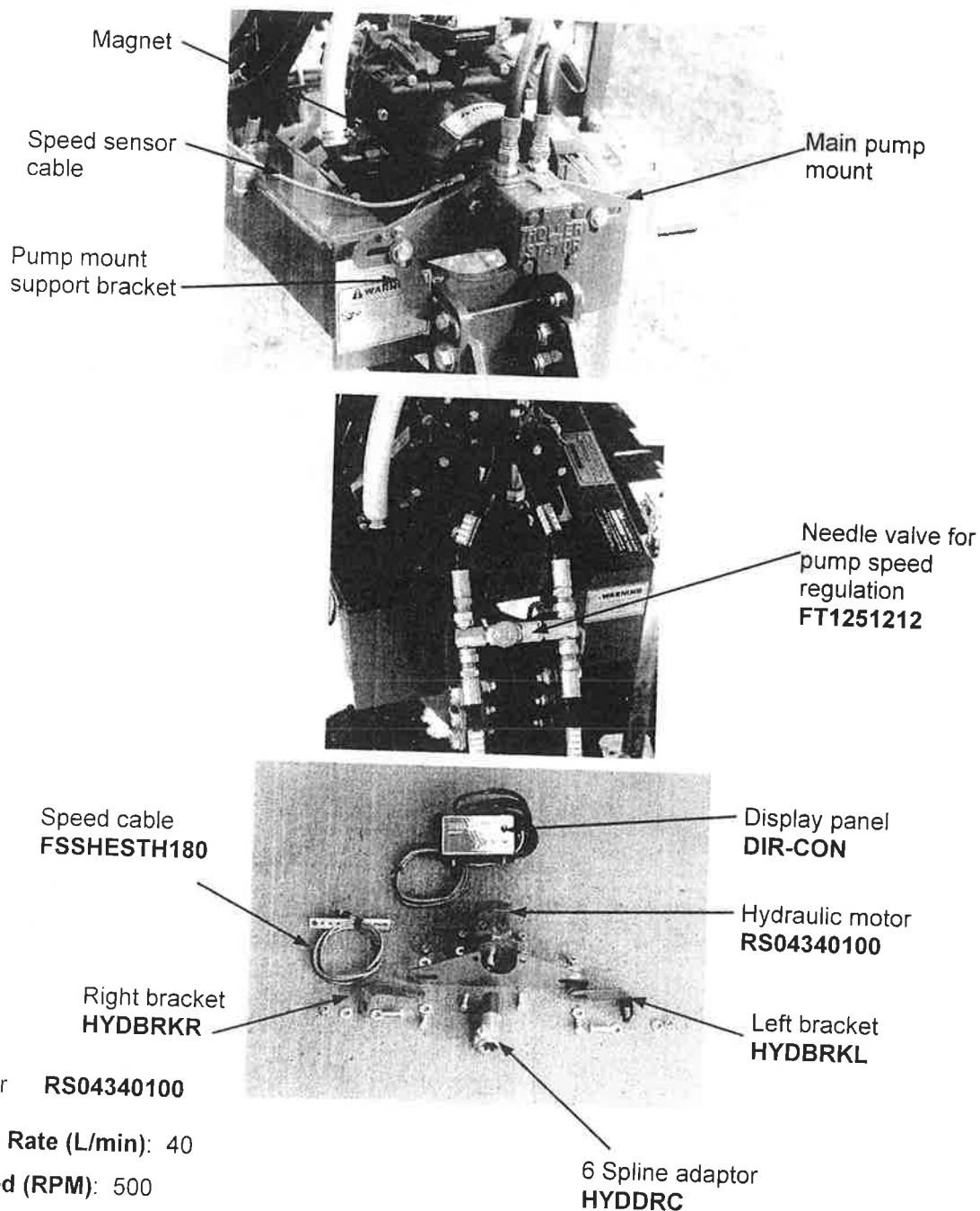
PUMP HYDRAULIC DRIVE

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 hydraulic motor is connected to the pump shaft via a 6-spline adaptor. The hydraulic motor is attached to the sprayer frame by means of the pump mounting brackets. The pump speed is shown on the display panel.

A bypass needle valve is used to regulate the hydraulic flow to the hydraulic motor. This provides the means to regulate the pump speed (along with tractor engine speed and the "Rabbit-Turtle" lever).

Pump Hydraulic Drive **HYDDR**

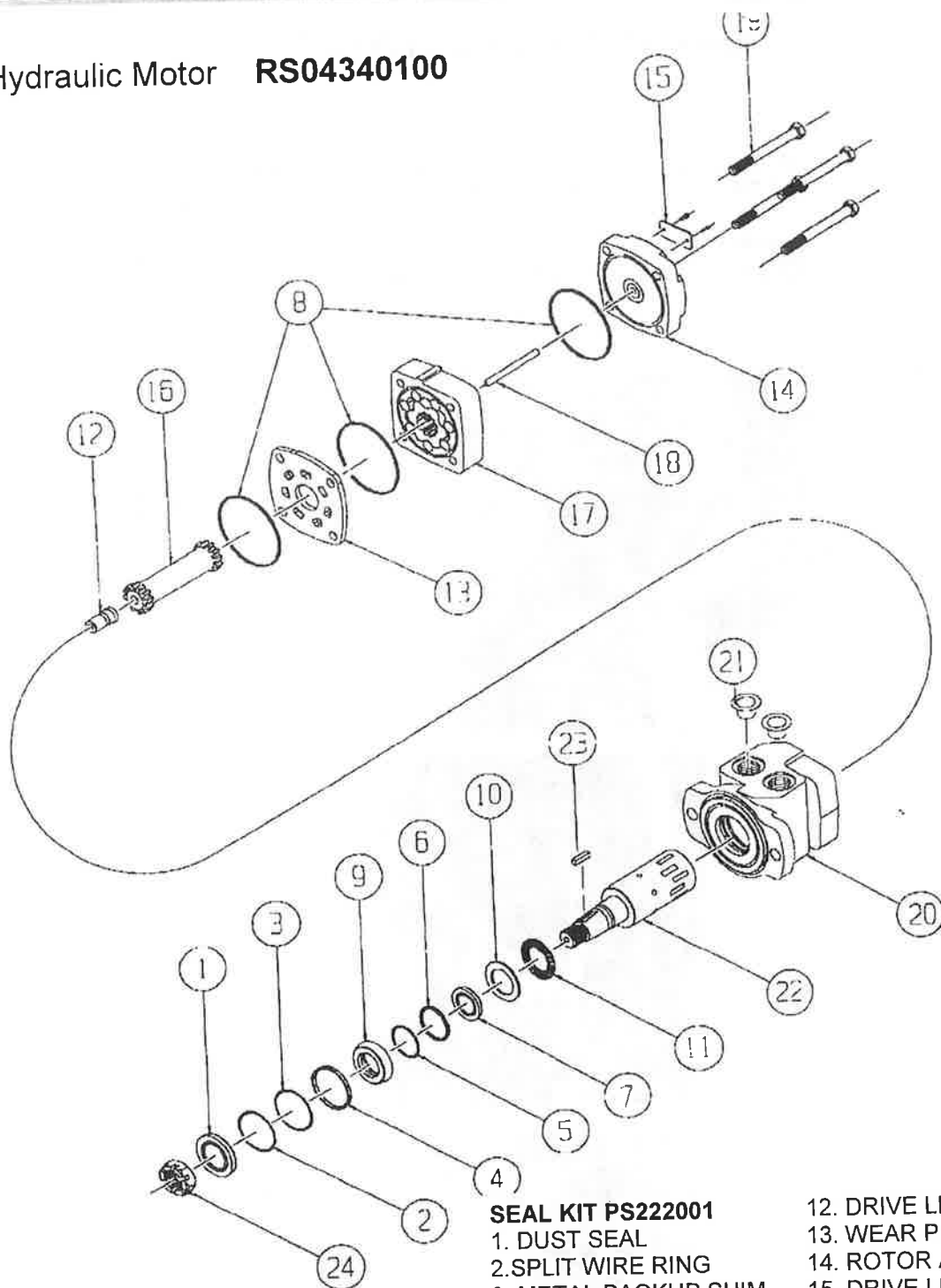


Hydraulic Motor **RS04340100**

Max. Flow Rate (L/min): 40

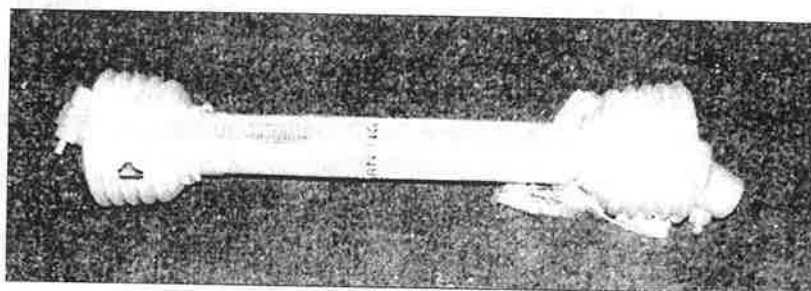
Max. Speed (RPM): 500

Max. Continuous Pressure (Kpa): 12 000

Hydraulic Motor **RS04340100****SEAL KIT PS222001**

1. DUST SEAL
2. SPLIT WIRE RING
3. METAL BACKUP SHIM
4. HIGH PRESSURE SEAL
5. METAL BACKUP SHIM
6. TEFLON BACKUP SEAL
7. SHAFT SEAL
8. BODY SEAL (3)
9. SEAL CARRIER
10. THRUST WASHER
11. THRUST BEARING

12. DRIVE LINK
13. WEAR PLATE
14. ROTOR ASSEMBLY
15. DRIVE LINK PIN
16. ENDCOVER BALL
17. ENDCOVER
18. I.D. TAG ASSEMBLY
19. ASSEMBLY BOLTS (4)
20. HOUSING
21. COOLING PLUG
22. SHAFT
23. SHAFT KEY
24. DUST SEAL

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

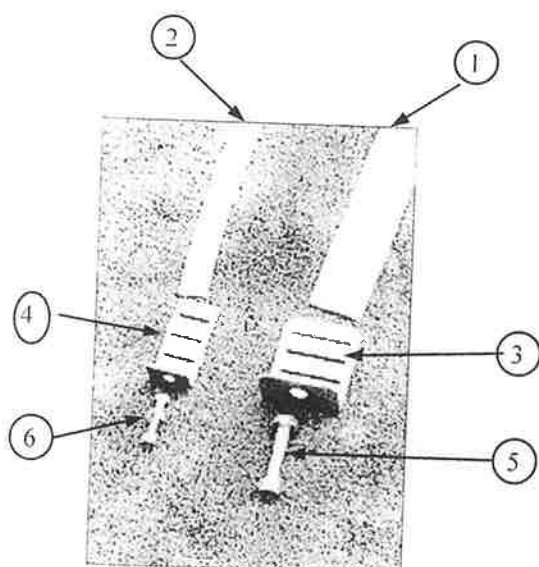
GOLDACRES TANKS

PART NO.	SIZE	DESCRIPTION	DIMENSIONS
TNK15	15L	U-shaped fresh water tank with cap & 3/4" outlet	500L x 180W x 600H
TNK15-BR	15L	U-shaped fresh 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/Fresh water with lid or cap and 2x1/2" bottom outlets	550 x 800
TNK100-EX-CR	100L	Exacta Foam/Fresh 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	
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	
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	
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	

GOLDACRES TANKS

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	
TNK1500-BM	1500L	Tank and base mount	1580L x 1200W x 1500H
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	
TNK2000-BM	2000L	Tank and base mount	2200L x 1200W x 1500H
TNK2000-ORC	2000L	Orchard sprayer tank with tube including lid, strainer, straps, sight tube	
TNK2500	2500L	Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets	2700L x 1100W x 1100H
TNK2500-BM	2500L	Tank and base mount	2700L x 1200W x 1500H
TNK3000	3000L	Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets	
TNK3000-BM	3000L	Tank and base mount	3000L x 1200W x 1500H
TNK4000	4000L	Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets	
TNK4000-BM	4000L	Tank and base mount	3000L x 1420W x 1570H
TNK6000	6000L	Tank with lid, strainer, straps, sight tube and 2x1 1/2" sump outlets.	3254L x 1900W x 1500H

TANK STRAP AND BRACKETS



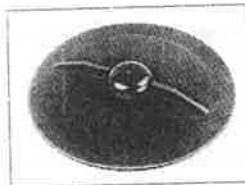
POS. NO.	PART NO.	DESCRIPTION	TANK SIZES (Lt)
1	0110550002	50mm Orange Tank Strap	400 - 4000
2	0110525002	25mm Orange Tank Strap	200 - 300
3	TNK-BRK-50	50mm Tank Strap Bracket	
4	TNK-BRK-25	25mm Tank Strap Bracket	
5	M12X60	12mm x 60mm Bolt	
6	M8X40	8mm x 40mm Bolt	

GOLDACRES TANK LIDS



ATV LID
Lid to suit 50Lt
ATV tank

Diameter:
170mm



SMALL LID
To suit 12V sprayers
and fresh 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



**BREATHER TO SUIT
MEDIUM/LARGE LIDS**

352000

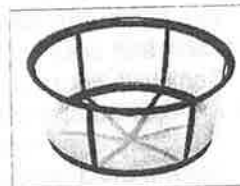
LARGE LID
To suit Director and Orchard
Sprayers.
Diameter: 455mm
352060



LID RING
To suit 255mm Small Lid
350420

To suit 355mm Medium Lid
350440

To suit 455mm Large Lid
350460



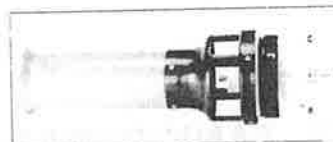
BASKET STRAINERS:

Small: **300110**
Medium: **300120**
Large: **300126**

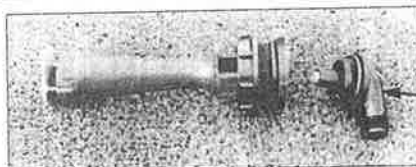
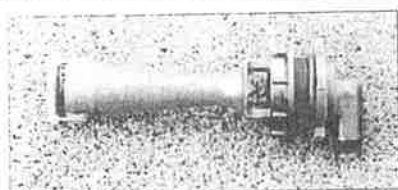


**BASKET STRAINER
POWDER UMBRELLA
MIXER**

To suit Orchard Sprayer
large basket strainer.
502001



SUPERMIX AGITATOR
Standard on 2000L -
6000L Prairie Sprayers
502053
SUPER MIX O RING
502



D349204 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 **P24730**
O Ring **FMO50X5**

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.*

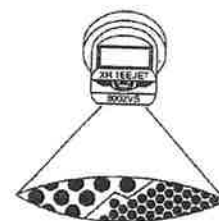
* Minimum pressure rating for VK tip is 1½ bar.

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®

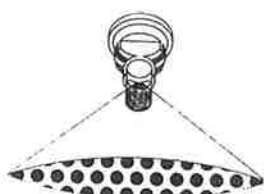
FEATURES:

- ~ 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.

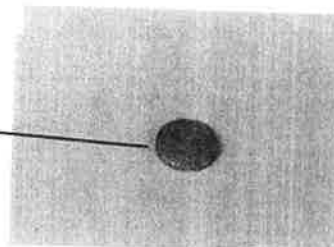


TO ORDER:

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) TURBO ONLY	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
	500	0.50	100	75	60	50	43	38	33	30
	600	0.55	110	83	66	55	47	41	37	33
XR110015 TT110015 (GREEN) (100 Mesh) TURBO ONLY	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
	500	0.76	152	114	91	76	65	57	51	46
	600	0.83	166	125	100	83	71	62	55	50
XR11002 TT11002 (YELLOW) (50 Mesh) TURBO ONLY	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
	500	1.02	204	153	122	102	87	77	68	61
	600	1.12	224	168	134	112	96	84	75	67
XR11003 TT11003 (BLUE) (50 Mesh) TURBO ONLY	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
	500	1.52	304	228	182	152	130	114	101	91
	600	1.67	334	251	200	167	143	125	111	100
XR11004 TT11004 (RED) (50 Mesh) TURBO ONLY	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
	500	2.04	408	306	245	203	175	153	136	122
	600	2.23	446	335	268	223	191	167	149	134
XR11005 TT11005 (BROWN) (50 Mesh) TURBO ONLY	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
	500	2.54	508	381	305	254	218	191	169	152
	600	2.79	558	419	335	279	239	209	186	167

TeeJet® Even Flat Spray Tips



Available in VisiFlo colour-coding in Stainless Steel (VS), Hardened Stainless Steel (VH), and Brass (VB).

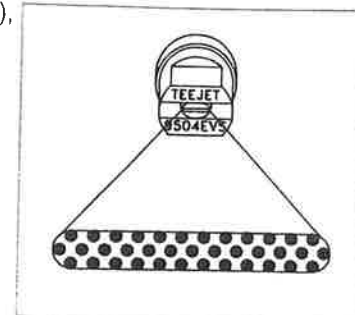
TO ORDER:

Specify TIP NUMBER, examples:

TP8002EVS - Stainless Steel with VisiFlo colour-coding, size 02.

TP8002EVH - Hardened Stainless Steel, size 02.

TP8002EVH - Brass, size 02.



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.

Tip No.	Liquid Pressure bar	Nozzle Capacity L/min	Liters Per Hectare							
			4 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
8001EVS (100 mesh)	1.5	0.28	84.0	56.0	56.0	37.3	42.0	28.0	33.6	22.4
	2	0.32	96.0	64.0	64.0	42.7	48.0	32.0	38.4	25.6
	2.5	0.36	108	72.0	72.0	48.0	54.0	36.0	43.2	28.8
8001SEVS (100 mesh)	1.5	0.42	126	84.0	84.0	56.0	63.0	42.0	50.4	33.6
	2	0.48	144	96.0	96.0	64.0	72.0	48.0	57.6	38.4
	2.5	0.54	162	108	108	72.0	81.0	54.0	64.8	43.2
8002EVS (50 mesh)	1.5	0.56	168	112	112	74.7	84.0	56.0	67.2	44.8
	2	0.64	192	128	128	85.3	96.0	64.0	76.8	51.2
	2.5	0.72	216	144	144	96.0	108	72.0	86.4	57.6
8004EVS (25 mesh)	1.5	0.84	252	168	168	112	126	84.0	101	67.2
	2	0.97	291	194	194	129	146	97.0	116	77.6
	2.5	1.08	324	216	216	144	162	108	130	86.4
8004EVS (25 mesh)	1.5	1.12	336	224	224	149	168	112	134	89.6
	2	1.29	387	258	258	172	194	129	155	103
	2.5	1.44	432	288	288	192	216	144	173	115
8006EVS (15 mesh)	1.5	1.40	420	280	280	187	210	140	168	112
	2	1.61	483	322	322	215	242	161	193	128
	2.5	1.80	540	360	360	240	270	180	216	144
8006EVS 9506EVS (50 mesh)	1.5	1.67	501	334	334	223	251	167	200	134
	2	1.93	579	386	386	257	290	193	232	154
	2.5	2.16	648	432	432	288	324	216	259	173
8008EVS (50 mesh)	1.5	2.24	669	446	446	297	335	223	268	178
	2	2.58	774	516	516	344	387	258	310	206
	2.5	2.88	864	576	576	384	432	288	346	230

Turbo FloodJet®



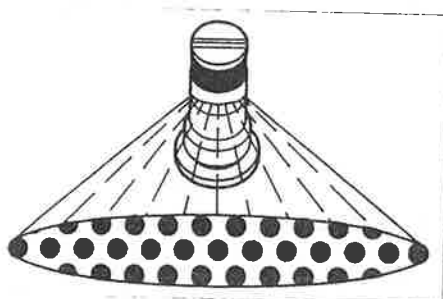
Available in Stainless Steel (VS) with VisiFlo® colour-coding band for easy size identification.

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.

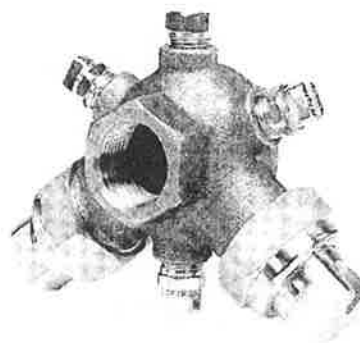
To order disc-core combination, specify disc and core & material, eg. **DCER5-35CER** - ceramic.

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°

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

Nozzle No.	OC Tips (Two)	VeeJet Top Nozzles (Two)	VeeJet Bottom Nozzle	Liquid Pressure bar	Total Capacity L/min	"W" Meters	Liters Per Hectare				
							6 km/h	8 km/h	12 km/h	16 km/h	24 km/h
5880-3/4"-2TOC06	46733 OC06	H1VV-1506	H1VVL-9502 with 50 mesh strainer	1.5	7.26	10.2	71	53	36	27	17.8
				2	8.38	10.3	81	61	41	31	20
				2.5	9.37	10.5	89	67	45	33	22
5880-1/4"-2TOC10	OC10	H1U-0508HE	H1VVL-11304 with 50 mesh strainer	1.5	11.17	12.0	93	70	47	35	23
				2	12.89	12.1	107	80	53	40	27
				2.5	14.41	12.3	117	88	59	44	29
5880-3/4"-2TOC20	OC20	H1U-0520HE	H1VVL-9506 with 50 mesh strainer	1.5	24.00	14.3	168	126	84	63	42
				2	27.70	15.2	182	137	91	68	46
				2.5	31.00	15.8	195	147	98	74	49
5880-1/4"-2TOC40	OC40	H1U-0540HE	H1U-9510	1.5	47.50	17.1	280	210	139	104	69
				2	54.80	18.2	300	230	151	113	75
				2.5	61.30	19.2	320	240	160	120	80

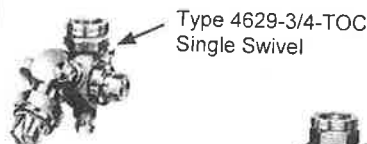
TeeJet® Swivel Spray Nozzles with Off-Centre Flat Spray Tips - Larger Capacities

Nozzle No.	Liquid Pressure bar	Nozzle Capacity L/min	"W" in Meters	Spraying Height "H" = 90 cm		
				Liters Per Hectare		
				8 km/h	16 km/h	24 km/h
4629-3/4"-TOC10	2	122	5.4	45	22	14.5
	3	3.95	5.6	53	26	17.6
	4	4.56	5.6	61	31	20
4629-1/4"-TOC20	2	6.45	7.1	68	34	23
	3	7.06	7.4	80	40	27
	4	9.12	7.4	92	46	31
4629-3/4"-TOC40	2	12.85	7.9	122	61	41
	3	15.75	8.2	144	72	48
	4	18.23	8.2	167	83	56
4629-1/4"-TOC80	2	25.80	8.8	220	110	73
	3	31.60	9.1	260	130	87
	4	36.50	9.1	300	150	100
4629-3/4"-TOC150	2	48.30	9.3	390	194	130
	3	59.20	9.6	460	230	154
	4	68.40	9.6	530	270	178
4629-1/4"-TOC300	2	96.70	9.7	750	370	250
	3	113	10.0	900	440	300
	4	137	10.2	1010	500	340

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.

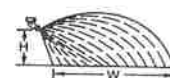


Type 4629-3/4"-TOC Single Swivel

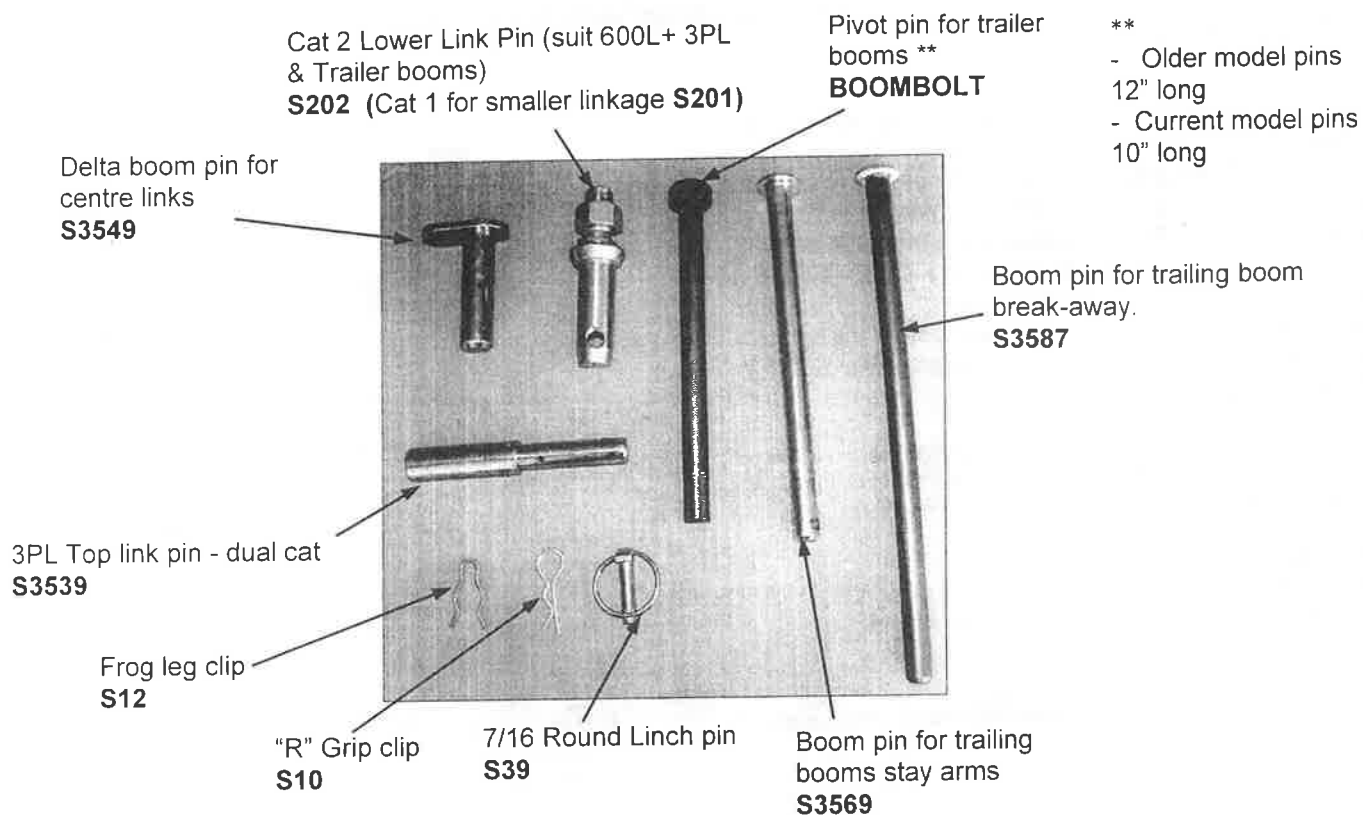
Type 4418-3/4"-2TOC Double Swivel



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

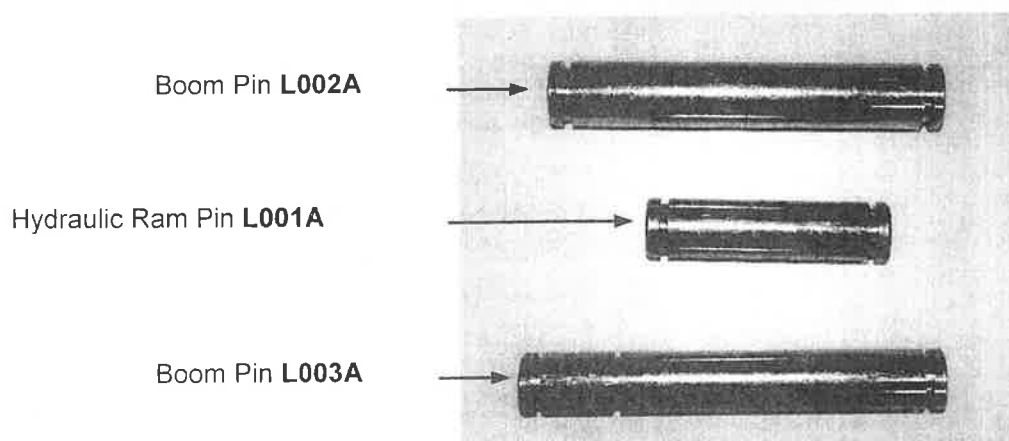


ATTACHMENT PINS



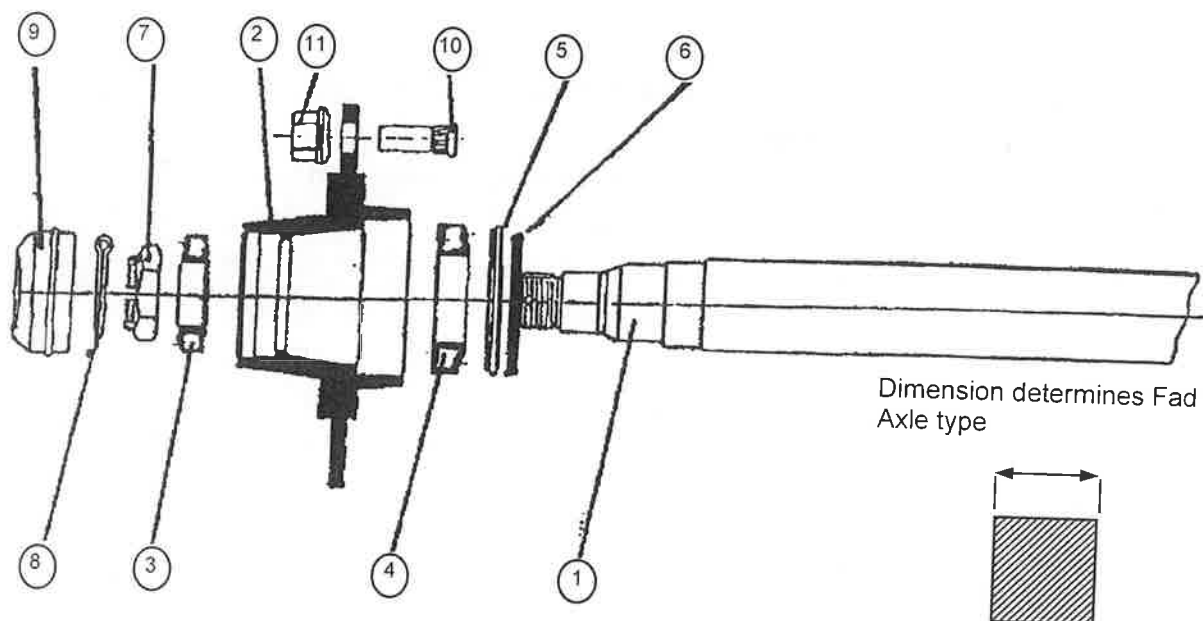
CATEGORY	DIMENSIONS TOP LINK	DIMENSIONS LOWER LINK
Cat 1	3/4" 19mm	7/8" 22mm
Cat 2	1" 25mm	1 1/8" 28mm
Cat 3	1 1/4" 32mm	1 7/16" 36mm

DELTA BOOM PINS



AXLES

FAD AXLES



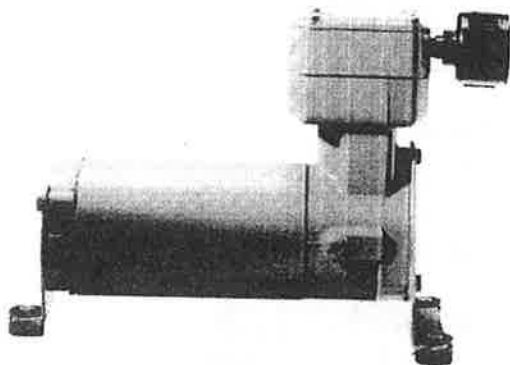
POS NO	DESCR- PTION	PART NUMBER							
		FAD90-10 (A900006)	FAD80-8 (A808009)	FAD80-6 (A806012)	FAD70-8 (A708015)	FAD70-6 (A706091)	FAD60-6 (A606085)	FAD50S-6 (A506040)	FAD50S-5 (A505018)
	CARRYING CAPACITY PER HUB (KG)	5500	4250	4250	3250	3000	2350	1500	1500
1	Stub	STUB90SQ	STUB80SQ	STUB80SQ	STUB70SQ	STUB70SQ	STUB60SQ	STUB50SQ	STUB50SQ
2	Hub	HUB90-10	HUB80-8	HUB80	HUB70-8	HUB70	HUB60	HUB50-6	HUB50
3	Outer Bearing	32212	30210	30210	30210	30210	30208	30206	30206
4	Inner Bearing	32216	30214	30214	30213	30213	30211	30209	30209
5	Seal	S140-100-12	S85-125-12	S85-125-12	S80-120-12	S80-120-12	S70-100-10	S53-85-10	S53-85-10
6	Seal Ring	SR100-82-15	SR72-85-13	SR72-85-13	SR67-80-13	SR67-80-13	SR57-70-13	SR46-53-13	SR46-53-13
7	Axle Nut	FSP45	FSP24	FSP24	FSP24	FSP24	FSP22	FSP21	FSP21
8	Split Pin	S1506	S1506	S1506	S1506	S1506	S1506	S1506	S1506
9	Grease Cap	FSPDC90	FSPDC80	FSPDC80	FSPDC70	FSPDC70	FSPDC60	FSPDC62	FSPDC62
10	Wheel Stud	FSP46	FSP44	FSP44	FSP44	FSP44	FSP44	FSP43	FSP43
11	Wheel Nut	FSP55	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

GOLDACRES AIR-BAG SUSPENSION COMPRESSOR

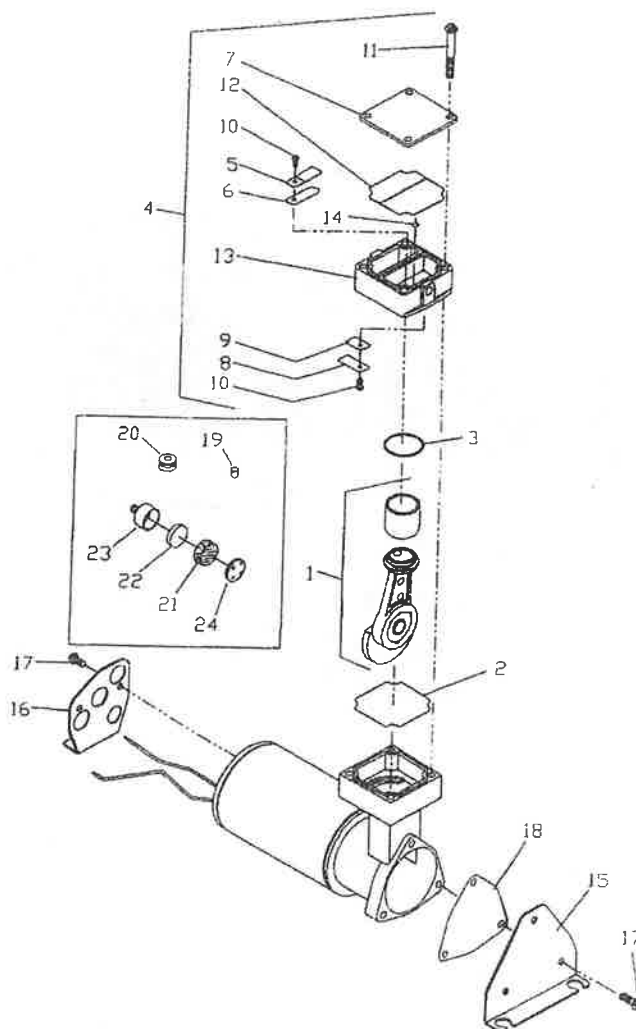


This compressor is used for the Air-bag suspension on Prairie sprayers.

315CDC 40/12-194A

Bare compressor

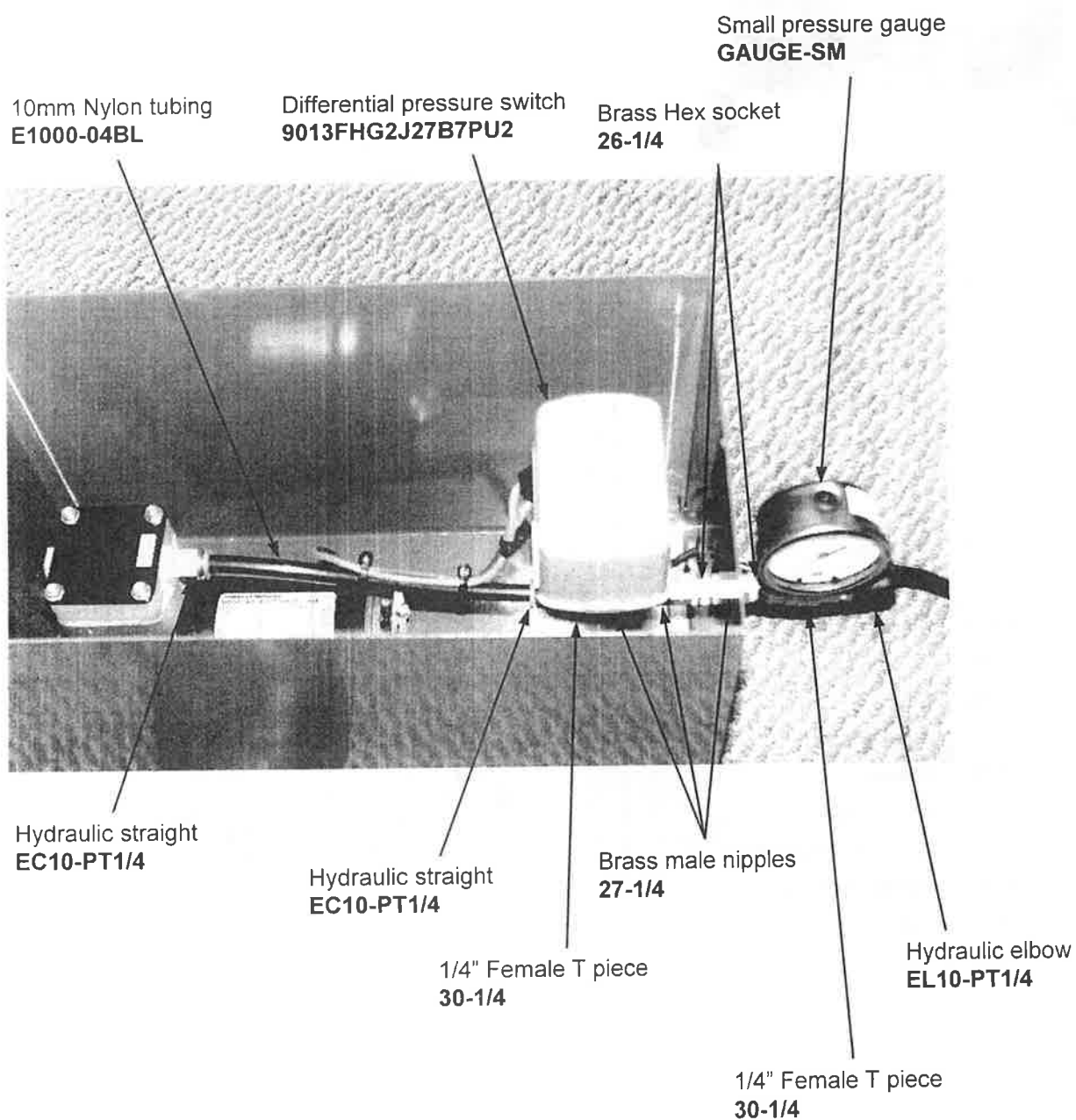
POS. NO.	PART NO.	DESCRIPTION	Qty
1	See chart	Connecting rod ecc & Brg. Assy.	1
2	623622	O ring gasket—Head	1
3	623557	O ring—Sleeve	1
4	664792	Head assembly	1
5	617250	Valve restraint	1
6	621102	Valve flapper—exhaust	1
7	621602	Head plate	1
8	621533	Valve flapper—intake	1
9	621532	Valve shim	1
10	625307	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.



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

Hydraulic straight
EC10-PT1/4

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

Air bag shock absorber
S-20889

Hendrickson Air bag
S21208

Axle air tank drain cock
30-1/4

POLY BALL VALVES

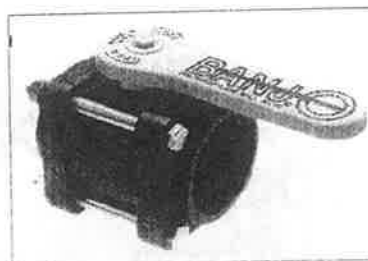
Precision molded in glass reinforced polypropylene.
Teflon seats.
Maximum operating pressure 100 psi.

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

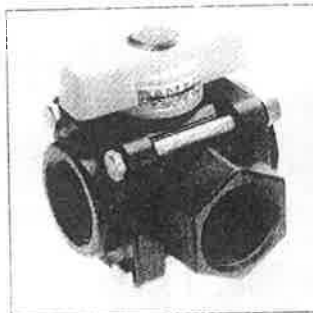
3-WAY BALL VALVES



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



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



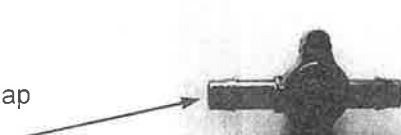
3-WAY POLY BALL VALVE

- Directional flow either right or left.
- Valve can be turned off to stop flow.

V-100-BL

IN-LINE TAPS

1/2" In line tap
VQA12



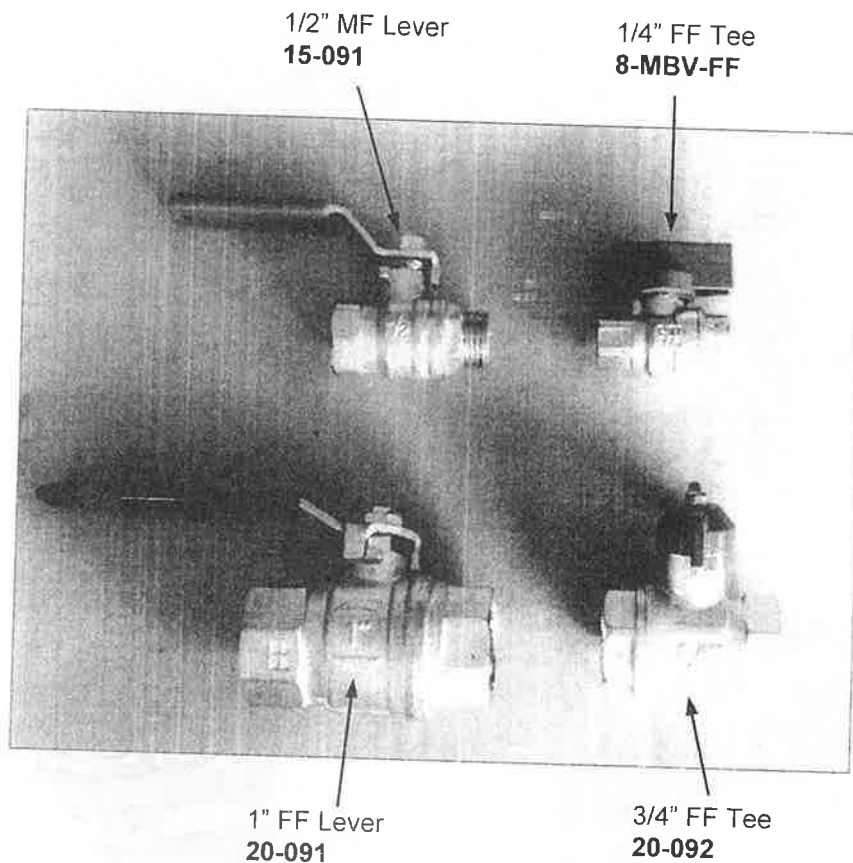
3/8" In line tap
VQA138



3/4" In line tap
VQA34

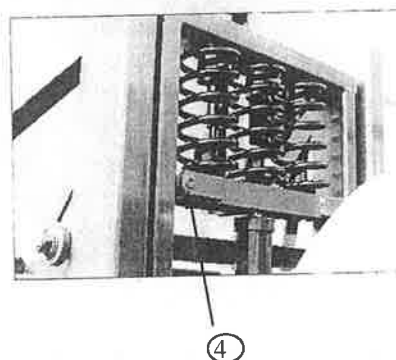
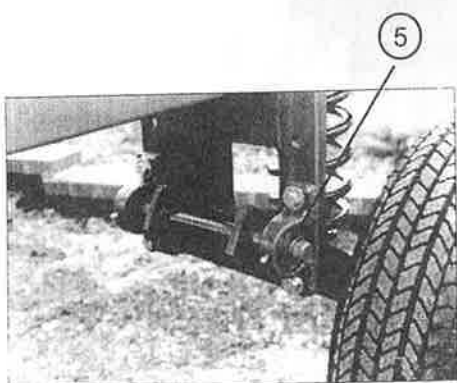
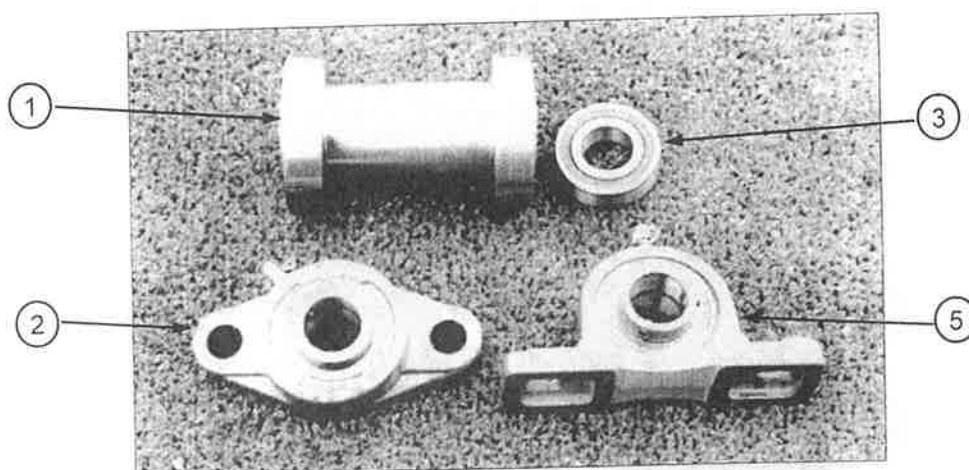


BRASS BALL VALVES



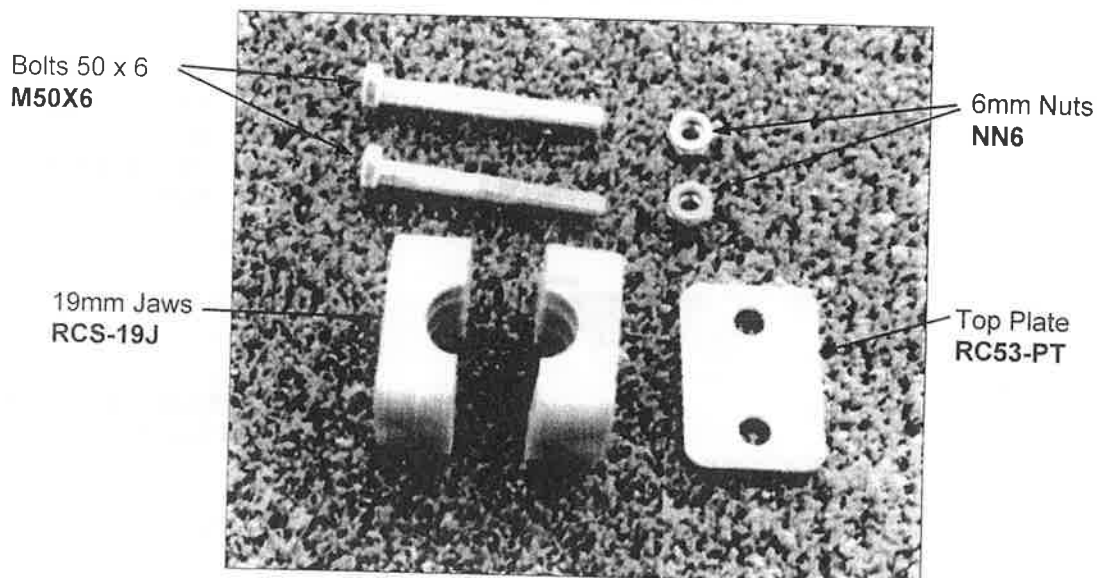
PART NUMBER	PORT TYPE	PORT SIZE	HANDLE TYPE
8-MBV-FF	F F	1/4"	TEE
8-MBV-MF	M F	1/4"	TEE
15-090	F F	1/2"	LEVER
15-091	M F	1/2"	LEVER
15-092	F F	1/2"	TEE
15-093	M F	1/2"	TEE
20-090	F F	3/4"	LEVER
20-091	M F	3/4"	LEVER
20-092	F F	3/4"	TEE
20-093	M F	3/4"	TEE
25-090	FF	1"	LEVER

BEARINGS AND ROLLERS



POSITION NO.	DESCRIPTION	PART NO.
1	Roller for delta boom	ROLLER
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	LO29A
5	1" pillow block bearing for Director Fan Shaft	UCP205-16

GROUND GLIDER TRAILING BOOM NOZZLE CLAMP



Complete clamp assembly **A319C**

STAINLESS STEEL WET BOOM CLAMP

Used on Vertical Vine Boom and wet mounted stainless steel booms with spring-loaded breakaway and tilt adjustment.



Wet boom clamp
004208

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



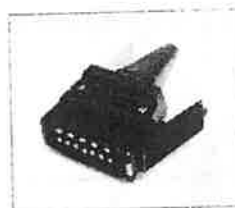
B48

Connector Flat Twelve
Pole Socket



P304/10

Battery Clamps



B47

Connector Flat Twelve
Pole Plug



YC513B

Fuse (10A) &
Fuse Holder



B51B 7

-Pin Trailer Plug
(Foam marker &
Tail lights) Controls



5586 Toggle On/Off/On Switch
(Foam marker control)



B55B 7-Pin Trailer Socket
(Foam marker) Controls



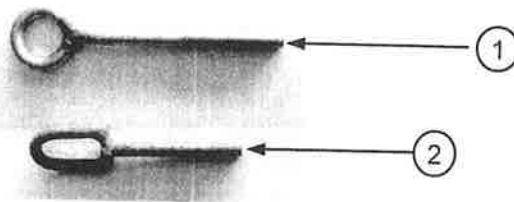
55065-02

Toggle On/Off/On
Momentary Switch
Spring loaded
(Pressure Control)



4601 Joiner to suit 4mm wire

EYE BOLTS

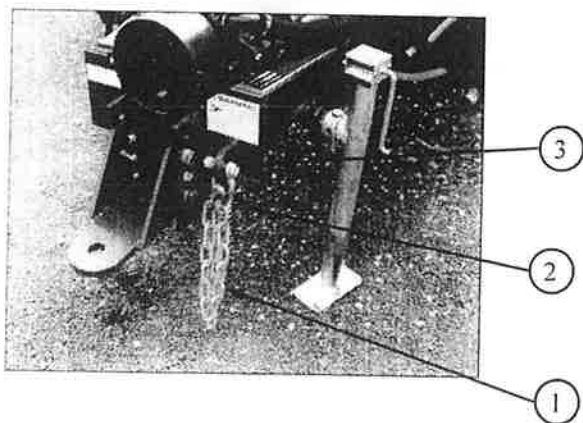


POSITION NO.	DESCRIPTION	SIZE	PART NO.
1	Delta boom yaw spring 24M	12mm x 170mm	EYE150D
2	Trailing boom	16mm x 200mm	EYE200

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.

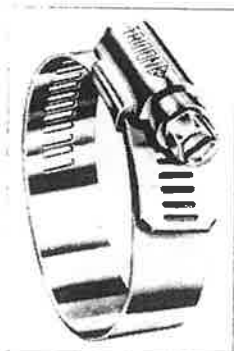


POS. NO.	PART NO.	DESCRIPTION
1	46194Y	9mm G80 Alloy Long Link Safety Chain
2	249313	13mm Gal Alloy Bow Shackle
3	245313	13mm Gal Alloy Safety Bow Shackle

HOSE

PART NUMBER	DESCRIPTION
HPG0700	7mm Pressure - Yellow (work pressure 250 psi)
HPG10	10 mm Pressure - Yellow (work pressure 250 psi)
HPG13200	13mm Pressure - Yellow (work pressure 250 psi)
HPG20100	20mm Pressure - Yellow (work pressure 250 psi)
HPG25100	25mm Pressure - Yellow (work pressure 250 psi)
HPG32	32mm Pressure - Yellow (work pressure 230 psi)
202AAO253520BO4	25mm Suction Hose (wire re-enforced)
202AAO324220BOE	32mm Suction Hose (wire re-enforced)
202AAO384920BOE	38mm Suction Hose (wire re-enforced)
202AAO516220BOE	51mm Suction Hose (wire re-enforced)
HEP2520	25mm Black Hose
HEP4020	40mm Black Hose
HEP5020	50mm Black Hose
HFB40-100	Layflat Hose - Blue (work pressure 120 psi)
CVT12330	12mm Sight Tube - Clear
HSC12-30	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)
200400140	4 1/2" TPR - Black
200400160	5" TPR - Black
18002017	127mm Standard water rubber hose (used on Directors)

WORM DRIVE CLAMPS



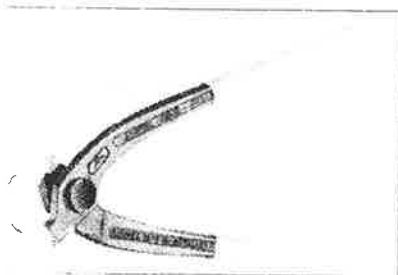
PART NUMBER	SIZE (mm)	TO SUIT HOSE:
MH004B	6-16	6mm
HS006B	8-22	13mm
HS008B	11-25	20mm
HS016B	17-38	25mm
HS024B	27-51	32mm
HS028B	33-57	38mm
HS032B	40-64	50mm
HS088B	52-152	

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.

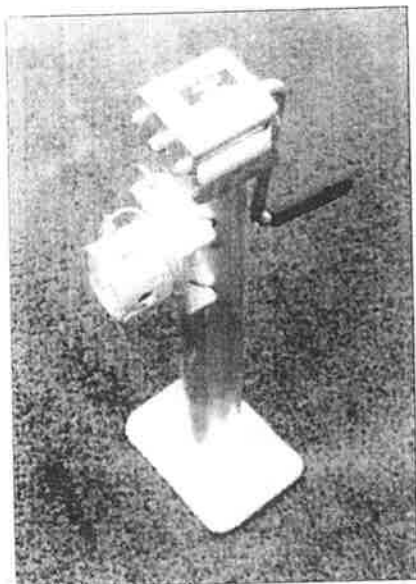
10100029 To suit 1/2" hose



This dual purpose, side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose.

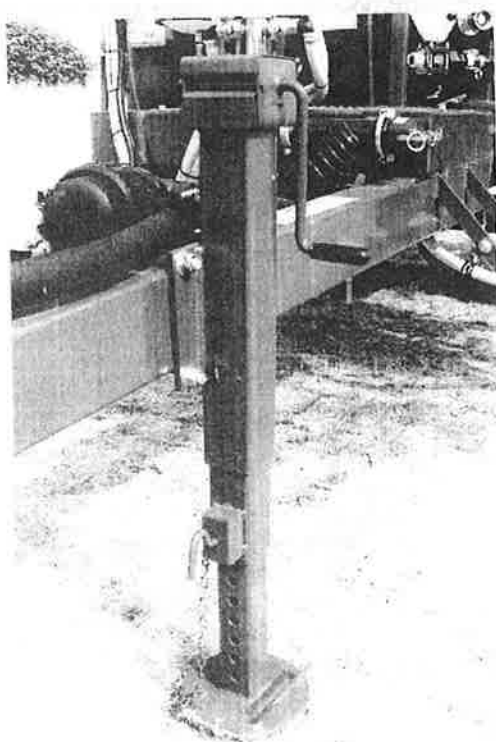
1099-I Side Jaw Pincers

SIDE WIND PARKING JACK



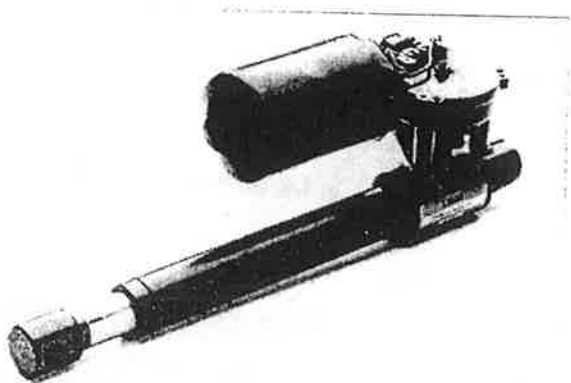
Side wind parking jack **LT3153**

SIDE WIND EXTENDABLE PARKING JACK (for larger sprayers)



Extendable parking jack **DG7063SFC**

LINEAR ACTUATORS



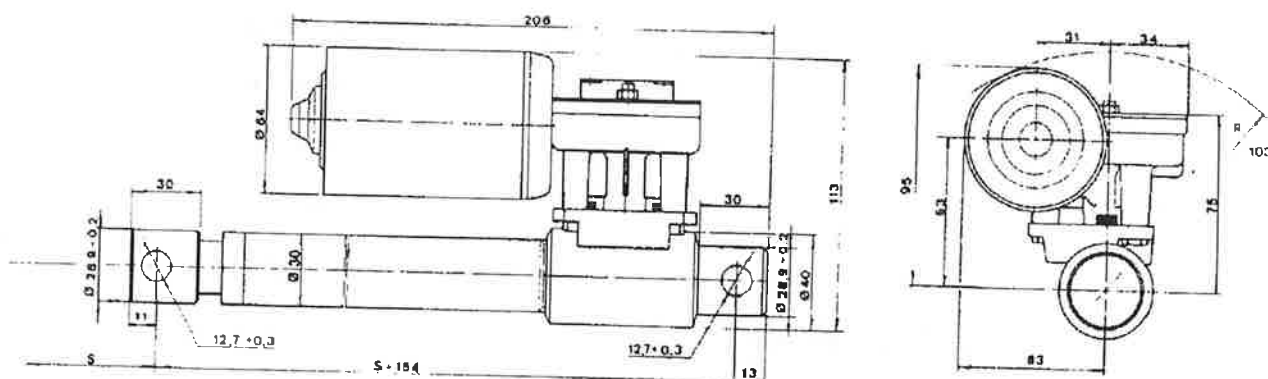
MODEL LA30

CHARACTERISTICS OF THE LA30:

- 12/24 V DC permanent magnet motor.
- Quiet operation.
- Weather resistant construction.
- Stainless-steel actuator rod.
- Low installation length requirement.
- Acme thread screw for optimum efficiency.
- Surface treatment with alkyd varnish (black).
- Constructed for intermittent operation.

LA30-100 100mm Stroke

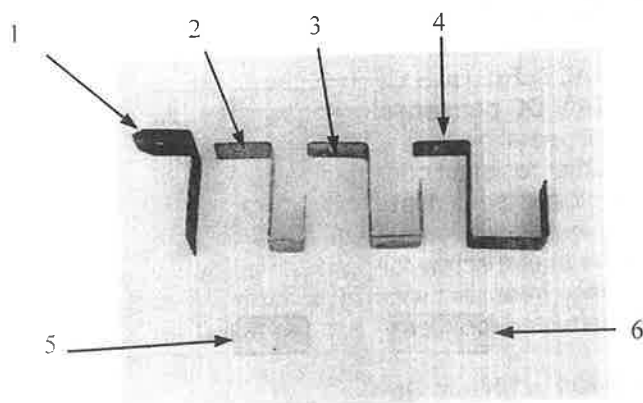
LA30-150 150mm Stroke



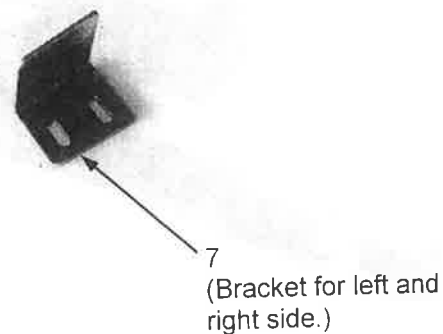
Type	Thrust max.	Self-lock. max.*)	Speed max.	Standard strokes in mm								Current requirement - max.	
												12 VDC	24 VDC
LA 30.3	1500 N	400 N	42 mm/s	50	100	150	200	250	300	350	400	18 A	9 A
LA 30.2	2000 N	500 N	28 mm/s	50	100	150	200	250	300	350	400	18 A	9 A
LA 30.1	3000 N	3000 N	14 mm/s	50	100	150	200	250	300	350	400	18 A	9 A

NOZZLE BRACKETS

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

**TANK BRACKETS**

Tank stop bracket



POSITION NO.	DESCRIPTION	TO SUIT RHS	PART NO.
1	Plain weld-on		BRKNZ-W
2	Outer wing delta	35 x 35	BRKNZ
3	Inner wing delta	50 x 50	BRKNZ1
4	Centre section delta	75 x 50	BRKNZ2
	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)

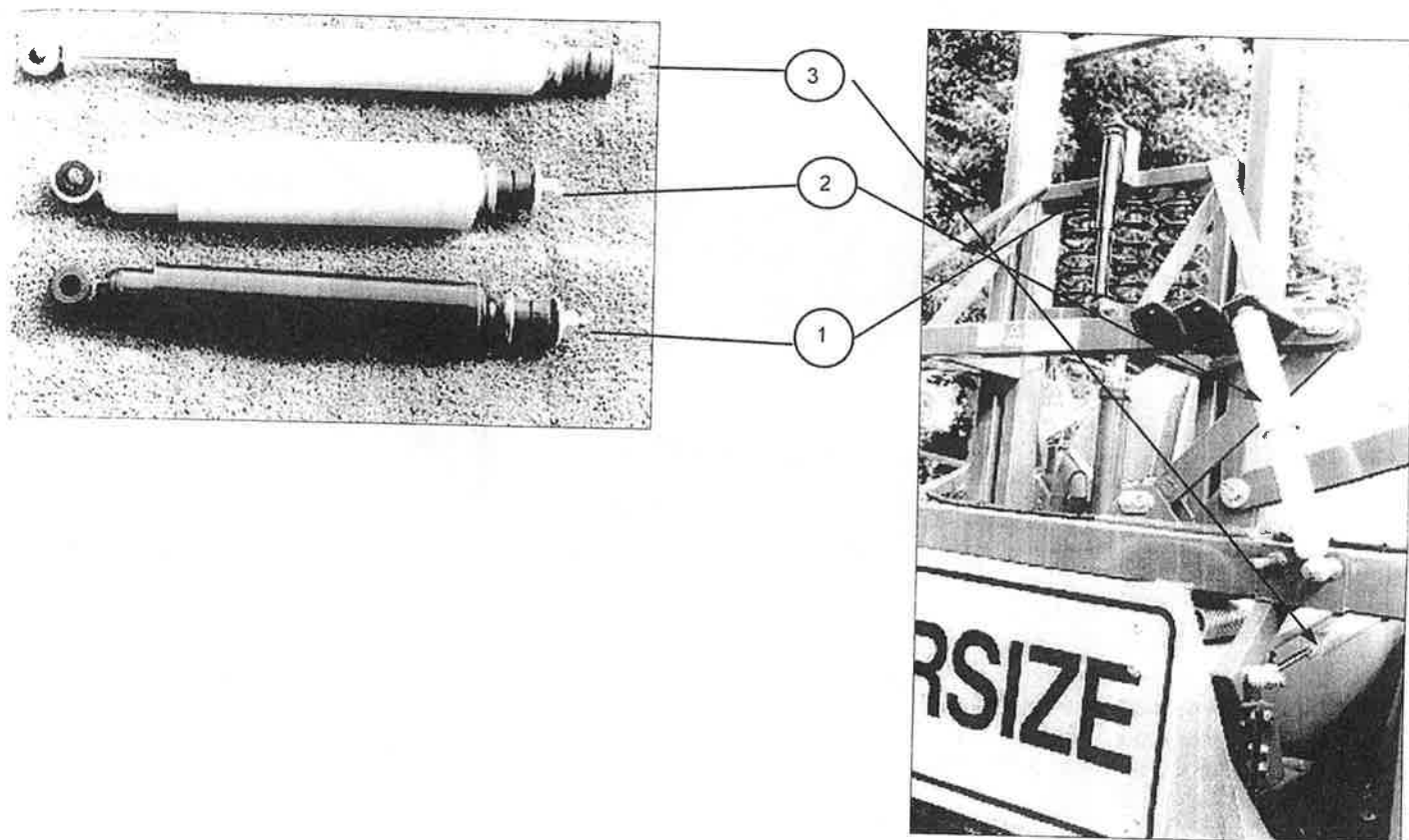
PAINT

"Goldacres green" touch-up paint is available by the litre.

Goldacres Green

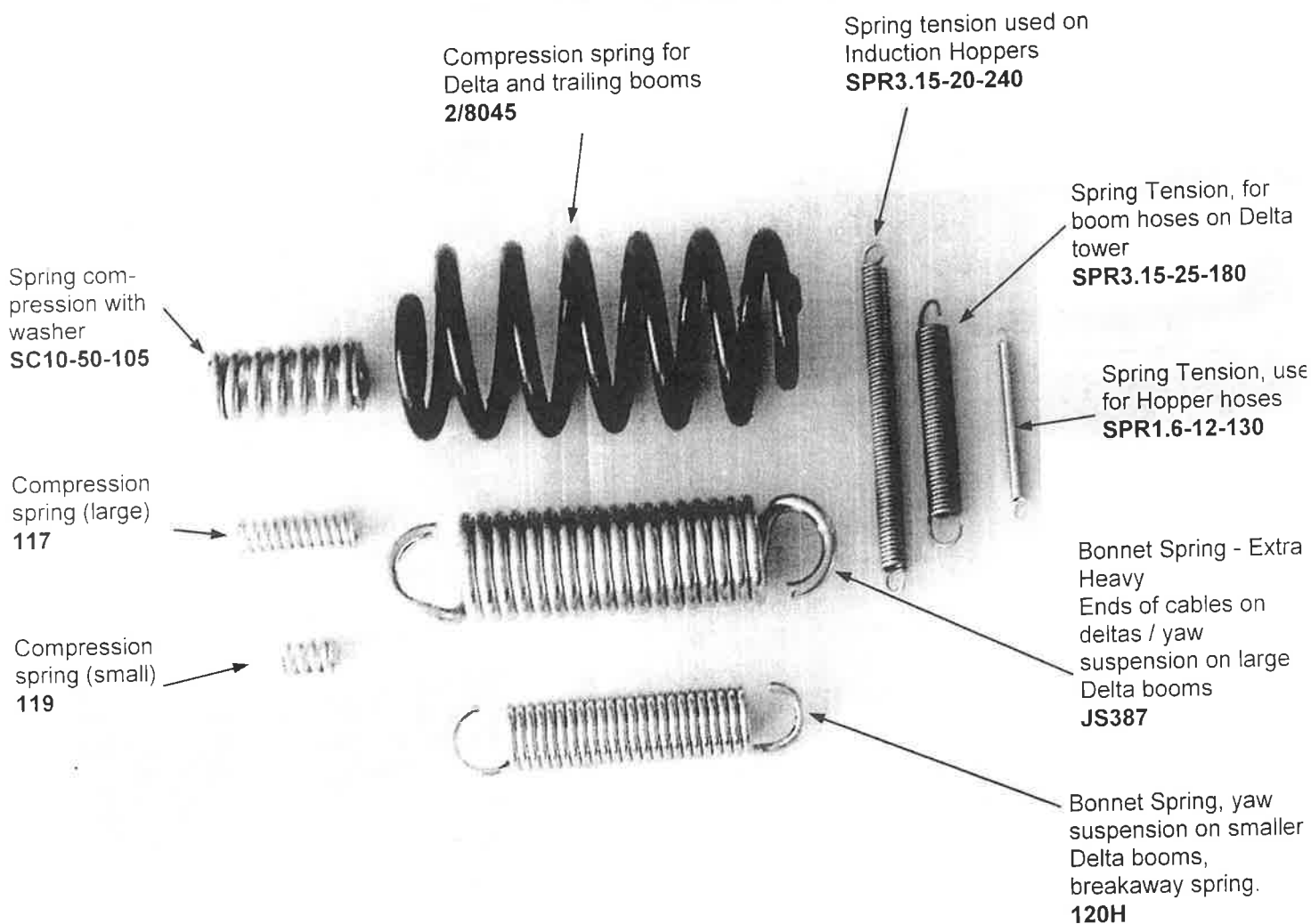
220G320

SHOCK ABSORBERS



POSITION NO.	PART NO.	DESCRIPTION	TO SUIT
1	TS1117	Double acting 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

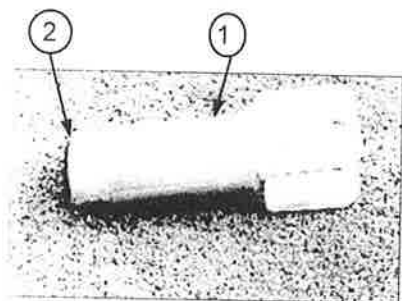
SPRINGS



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
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

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.



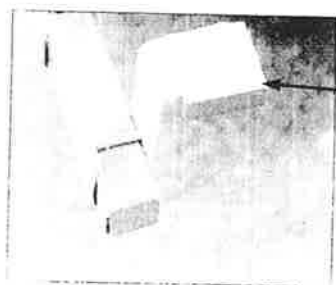
POSITION NO.	DESCRIPTION	TO SUIT RHS	PART NO.
1	Stopper Holder	35 x 35 50 x 50	STOPHOLD-35 STOPHOLD-50
2	Rubber Stopper		RUBSTOP

BOOM COUNTERWEIGHT

BOOM BALANCE

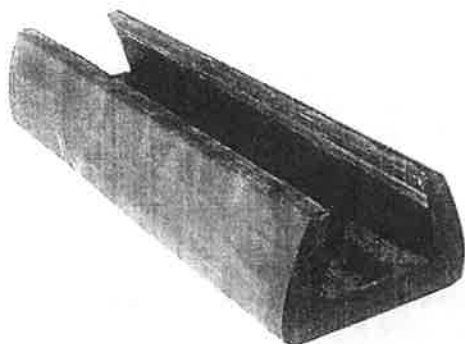
The Delta boom is designed so that it balances level with respect to the sprayer. If one side is heavier than the other, the boom will tend to hang lower on the heavy side. Hence both sides need to be balanced for the boom ends to be of the same height. To achieve this a boom counterweight is included 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).



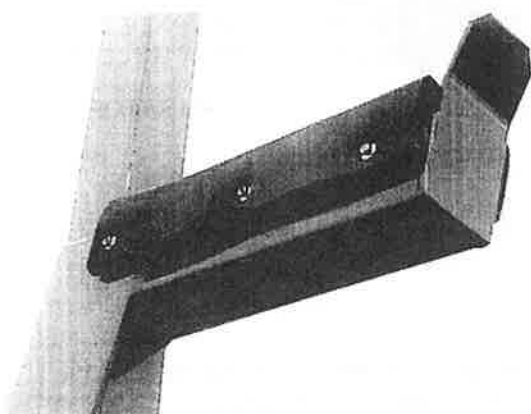
Boom Counter Weight **BOOMWT**

RUBBER BOOM REST



350mm boom rest
(To suit 75 RHS)

2022



Rubber boom rest fitted to sprayer.

RUBBER BUFFER

Rubber buffer with bolt 30 Mt boom

M190



Rubber bump
stop

BIS003



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:

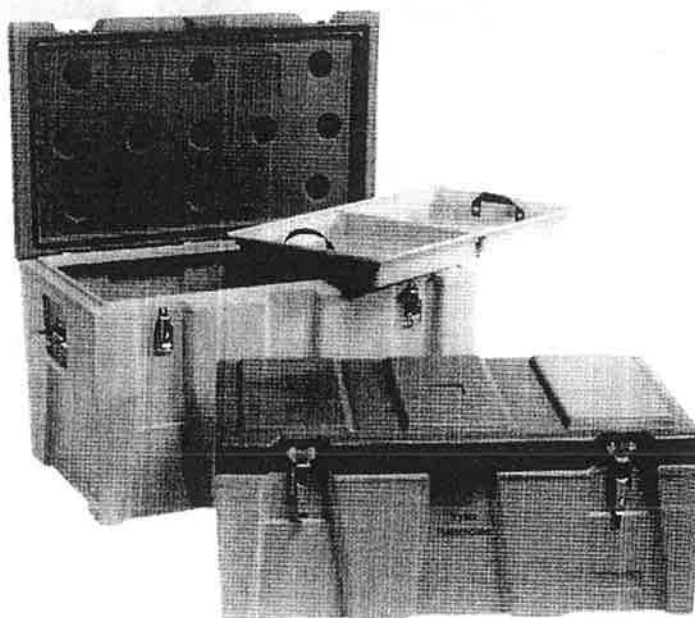
900 x 550 x 380mm

E936

900 x 550 x 550mm

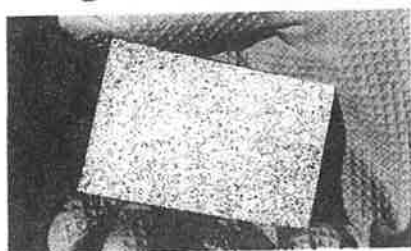
E1140

E1140



E936

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.

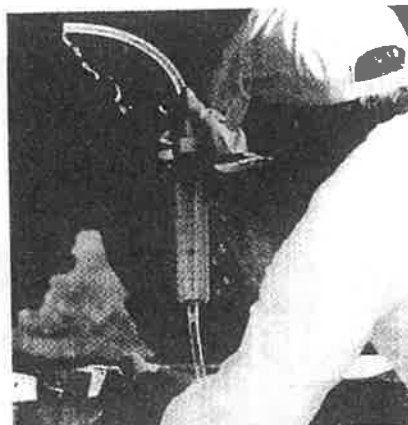
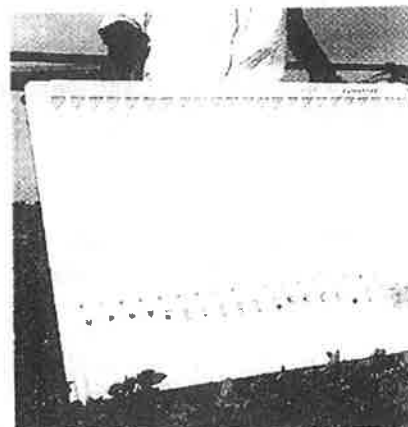
Water Sensitive Paper

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

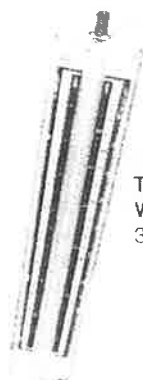
Oil Sensitive Paper

20302-1 – 50 cards, 76 mm x 52 mm
20302-2 – 50 cards, 52 mm x 10 mm
20302-3 – 25 strips, 10 mm x 26 mm

Water and oil sensitive paper sold by Spraying Systems Co. is manufactured by Neovartis Corporation

**TeeJet Tip Tester 37670****TeeJet Pattern Check 37685**

TeeJet Tip Cleaning Brush
CP20016-NY



TeeJet
Wind Meter
38560

TeeJet
Calibration
Container
CP24034-PP

TeeJet

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AUSTRALIA'S WORLD CLASS AG-SPRAYERS

GOLDACRES

