

GOLDACRES

Australia's World Class Sprayers



Ultimate ST

Operator's & Parts Manual

1000L · GA4904306-WR

1500L · GA4904308-WR

GA8700280 REV 0.0 JUN 15

Terms and conditions	4-5
Safety	6-8
The Operations	8-9
General Information & Specifications .	9-10
Identifications	11
Dimensions	11
Key Features	11
Wheels & Tyres	11
Maintenance & Troubleshooting	12
Diagram	13-16

Contact

Goldacres

1-3 Morang Crescent,
Mitchell Park Vic 3355

P: 03 5342 6399

F: 03 5342 6308

info@goldacres.com.au

Revision number: 0.0

25-06-2015

Operator's Manual Part Number: GA8700280

Please note: All information in this operator's manual is based on the latest product information available at the time of printing. The policy of Goldacres is one of continuous improvement and as such, Goldacres reserve the right to alter any specifications and designs without notice and without incurring any obligation regarding such changes.

No part of this manual may be reproduced without written permission from Goldacres. All photographs and technical information remain the property of Goldacres.

Register your product

By taking just a few minutes to register your product, you can ensure that you will receive:

- Fast product support
- Product support alerts when applicable

We will also keep you informed of bonus offers and upcoming promotions when applicable.

How to Register

Visit goldacres.com.au/warranty

What details will you need?

Serial Number, Product description, place of purchase, date of purchase and invoice number - along with all other relevant contact details.

How to make a warranty claim

In the event of a fault or breakdown with your product, that you believe to be a warranty issue, the following steps must be taken.

1. Ensure that you have read the Operator's Manual and gone through the troubleshooting procedure.
2. If you continue to experience problems then please contact Goldacres on 1300 301 853 . The operator will advise the method of warranty service for your product.

Warranty exclusions

Machines must be registered for warranty before a warranty can be requested. All information on delivery and installation must have been submitted before a claim can be requested. If follow up inspections are required these must have been carried out before warranty is requested as well.

Goldacres 12 month standard warranty

Some common exclusions:

- Pump diaphragms
- Pump Seals
- Pump check valves
- Pump o-rings
- Filters and filter screens
- Filter o-rings
- Chemical Hoses
- Nozzle Bodies
- Nozzle Body Brackets
- Nozzle Diaphragms and seals
- Solenoid Diaphragms
- Hand Gun, lance or wand seals and o-rings
- Consumables, oil, chemicals, coolant or fuels.
- Hose reel seals and o-rings
- Pressurised sprayer seals and o-rings
- Belts drive chains.
- Wire cables
- Springs
- Shockers and dampeners
- Adjustment of components.
- Damaged items.
- Items controlled by or fitted to Non Genuine parts or devices

Terms and Conditions

Interpretation

1. In terms and conditions:
- (1) "Goldacres" means Goldacres Trading Pty. Ltd. A.C.N. 061 306 732 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, the services sold or provided by Goldacres to the Purchaser;
- (4) "GST Act" and "GST" are given the meanings referred to in a New Tax System (Goods and Services Tax) Act 1999.
- (5) "PPSA" means the Personal Property Securities Act 2009 (Cth) (as amended);
- (6) 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 Competition and Consumer Act 2010) and which by law cannot be excluded, restricted or modified.

General

2. (1) The Goods and all other products or services provided by Goldacres are provided subject to these terms and conditions. These terms and conditions and any terms and conditions incorporated herein by virtue of clause 3 hereto shall prevail over all other terms and conditions of the Purchaser or otherwise to the extent of any inconsistency. These terms and conditions may not be modified or amended without the expressed written consent of Goldacres endorsed by the Managing Director of Goldacres Trading P/L.
- (2)

Additional Terms and Conditions

3. From time to time Goldacres may provide additional or extended warranties in respect of certain goods and/or services. Where such additional or extended warranties are provided to a Purchaser in writing they will be incorporated into these terms and conditions provided that in the event of any inconsistency between these terms and conditions and the terms of any additional or extended warranty, the provisions of the additional or extended warranty shall prevail.

Goldacres quotations.

4. Unless previously withdrawn, Goldacres quotations are open for acceptance within the period stated therein or, when no period is stated, with 14 days only of the quotation date. Goldacres reserves the right to refuse any order based on any quotation within 7 days of 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 (7) seven days from the date of receipt of the Goods by the Purchaser.

Specifications, etc. Catalogues, etc. Quantities

7. All specifications, (including but not limited to: 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 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 the Purchaser, Goldacres' 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 in the quotation.

Performance, Capacities, Chemicals, Liquids, 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 obtain 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 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 and under no circumstances shall Goldacres be liable for any loss, damage or delay occasioned by the Purchaser or its customers arising from the 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 that the Purchaser shall have notified Goldacres and the carriers immediately the 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. Insurance of Goods in transit is the responsibility of the Purchaser.

Limit of Liability

11. (1) Goldacres liability for Goods manufactured by it is limited to:
 - (a) where the law implies consumer guarantees into these terms and conditions pursuant to Part 3.2 Division 1 of Schedule 2 to the Competition and Consumer Act 2010 ("Cth") ("consumer guarantees") which cannot be excluded and Goldacres breaches a consumer guarantee, the loss and damage the Purchaser is entitled to at law which cannot be excluded by these terms and conditions;
 - (b) making good any defects by repairing the same or at Goldacres option by

- (i) replacement within a period not exceeding either 1000 hours or twelve calendar months, whichever comes first, after the Goods have been dispatched provided that:
 - (ii) the defects have arisen solely from faulty materials or workmanship;
 - (iii) the Goods have not received maltreatment (inattention or interference);
 - (iv) accessories of any kind used by the Purchaser are manufactured or approved by Goldacres;
 - (v) where applicable, the seals on the Goods remain unbroken;
 - (vi) there has been no improper adjustment, calibration or operation;
 - (vii) the use of accessories including consumables, hardware or software (not manufactured by Goldacres) has been approved in writing by Goldacres;
 - (viii) no contamination or leakage has been caused or induced;
 - (ix) any modification to the Goods have been authorised in writing by Goldacres; there has been no inadequate or incorrect use, storage, handling or application of the Goods;
 - (x) there has been no use or operation of the Goods outside of the physical, electrical or environmental specifications of the Goods;
 - (xi) there has been no inadequate or incorrect site preparations;
 - (xii) there has been no inadequate or improper maintenance of the Goods;
 - (xiii) it has not been caused by fair wear and tear; and
 - (xiv) 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
 - (xv) 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 the operation of the Goods; and
 - (xvi) 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 the claim;
 - (xvii) the defective Goods or any damaged part of the Goods are promptly returned free of cost to Goldacres or a representative of Goldacres;
 - (xviii) all warranty related repairs have been carried out with the prior authorisation of Goldacres;
- (2) If Goods or any part thereof are not manufactured by Goldacres, in particular engines, engine accessories, transmissions, transfer cases, differentials, tyres, tubes, batteries, radios and UHF's, 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 provided always that this clause does not seek to exclude the consumer guarantees;
- (3) In the case of hydraulic systems, Goldacres shall replace defective parts in accordance with clause 11(1) of these conditions, provided that the failure of the part was not related to contamination within the system. Goldacres shall not be liable for labour in the case of repairing hydraulic system defects;
- (4) Goldacres will not accept liability for damage attributed to fair wear and tear including but not limited to fair wear and tear to nozzles, chains, belts, filters, brake pads, polyethylene bushes and liquid pump valves, valve O-rings, diaphragms and seals;
- (5) Goldacres shall not be liable for and the Purchaser releases Goldacres from any claims in respect of faulty or defective design of any Goods supplied unless such a 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 liability hereunder shall be strictly limited to the replacement of defective parts in accordance with paragraph 11(1) of these conditions provided always that this clause does not seek to exclude the consumer guarantees;
- (6) Except as provided herein, all express and implied warranties, guarantees and conditions under statute or general law as to the 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 negligence or in any other way whatsoever;
- (7) The benefit of any warranty provided under these terms and conditions shall only be available to the Purchaser and shall not be transferable by the Purchaser;
- (8) The warranties provided under these terms and conditions do not extend to second hand or used Goods that may be sold by Goldacres.
12. Goldacres liability for breach of a consumer guarantee is hereby limited (in the case of goods and services not used for personal, domestic or household purposes) 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 acquiring the equivalent Goods;
 - (d) the payment 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. (1) Unless otherwise stated in writing by Goldacres, all prices quoted by Goldacres are inclusive of GST for supplies within Australia and exclusive of GST for exports outside of Australia. Prices quoted are those ruling at the time 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.
- (2) For the purpose of 38.185 of the GST Act, the day upon which the seller gives the invoice for the supply shall be the date of the invoice.

Payment

14. (1) The purchase price in relation to the Goods and the cost of the service shall be payable without deduction and or set off and payment thereof shall be made on or before the thirteenth day of the month following the delivery of the Goods or

- performance of the services unless other terms of payment are expressly stated in writing.
- (2) A decreasing or increasing adjustment and or the issuing of an adjustment note, pursuant to Division 21 and Division 29-C of the GST Act, shall not, in any way, constitute a release, waiver, and or forgiveness of the debt incurred by the Purchaser.

Interest on overdue payments

15. 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 at the rate set, pursuant to the Penalty Interest Rates Act, Victoria, 1986, as such money, together with interest shall be recoverable forthwith from the Purchaser.

Rights in relation to Goods.

16. (1) At all times until the Debts have been paid in full the Purchaser shall be responsible for any loss or damage occasioned to the supplied Goods howsoever occasioned on a strict liability basis and shall indemnify Goldacres against any such loss or damage and shall insure and keep insured the Goods in the name of both the purchaser and Goldacres against such loss or damage to the full extent of the purchase price and shall provide a copy of such Insurance Policy to Goldacres.
- (2) The Purchaser shall have the right to resell Goods but only as fiduciary agent and trustee for Goldacres by way of bona fide sale at full market value and in the ordinary course of its business.
- (3) Until all the Debts have been paid in full:
- (a) the Purchaser shall take custody of the Goods as trustee, fiduciary agent and bailee for Goldacres;
- (b) the Purchaser shall keep the Goods separate from any other goods and properly marked, stored, protected and insured;
- (c) the Purchaser must hold all of the money it receives ("Proceeds");
- (i) from the sale of any property into which Goods supplied have been incorporated; and
- (ii) from the sale of Goods or provision of services including the Goods supplied by the Goldacres as bailee, fiduciary agent and trustee for Goldacres, but the Purchaser need not hold on trust any money exceeding the amount of the Debts at the time the money is received.
- (d) The Purchaser expressly acknowledges that it is bound by the fiduciary obligation created in the preceding paragraph and acknowledges that:
- (i) it must hold the Proceeds on trust for Goldacres;
- (ii) it must place the whole of the Proceeds in an account separate from its own moneys (the "Proceeds Account");
- (iii) it must maintain the Proceeds Account separate from its own moneys at all times.
- (iv) it must maintain proper records for the Proceeds Account.
- (v) it must not assign or encumber any book debts arising from sales made in circumstances set out in clauses 16(c)(i) and (ii) or do any other act in derogation of Goldacres' legal or beneficial interests; and
- (vi) it must account to Goldacres on demand for all moneys standing to the credit of such account.
- (e) For the purposes of identification of different consignments of Goods purchased from Goldacres and receipt of Proceeds, the Purchaser agrees that the principle of "Last In, First Out" shall be applied to any items that cannot be distinguished.
- (f) Goldacres may trace the Proceeds in equity.
- (4) Goldacres may at any time, without notice to the Purchaser and without prejudice to any other rights which it may have against the Purchaser, terminate any contract connected with the Goods and the bailment referred to in clause 16(3) and enter upon any premises owned or occupied by the Purchaser where Goldacres reasonably believes the Goods may be stored, and repossess the Goods without liability for any damaged caused, and subsequently dispose of the Goods at Goldacres' discretion if:
- (a) the Debts are not paid in accordance with these terms and conditions or any other contract or arrangement between Goldacres and the Purchaser; or
- (b) Goldacres receives notice of or reasonably believes that:
- (i) a third person may attempt to levy execution against the Goods; or
- (ii) the Purchaser is insolvent (within the meaning of the Corporations Act 2001) or bankrupt; or
- (iii) the Purchaser has entered into any arrangement or composition with its creditors, gone into liquidation, or has appointed a receiver, a receiver and manager or administrator.
- (5) If after repossession under clause 16(4) Goldacres sells the Goods, Goldacres shall account to the Purchaser for any proceeds of sale (less expenses of repossession and sale) that exceeds the amount of the outstanding Debts.
- (6) If any Goods belonging to Goldacres are disposed of by the Purchaser or an insurance claim is made in respect of them, Goldacres shall be entitled to trace the sale or insurance proceeds, which proceeds shall be held by the Purchaser in a separate bank account on trust for Goldacres.
- (7) The Purchaser agrees and acknowledges that in the event it sells Goods to a third party on account, it will include in its terms and conditions of sale a provision under which the Purchaser retains title to the Goods until such time that the total amount due in respect of the Goods and all monies owing to the Purchaser have been paid in full by that third party debtor. The Purchaser also agrees and acknowledges that in these instances, it will register its PMSI in accordance with the PPSA in respect of its security interest in the Goods.

PPSA provisions

17. (1) The Purchaser acknowledges that these terms and conditions constitute a security agreement for the purposes of section 20 of the PPSA and that a security interest exists in all Goods (and any associated Proceeds from their sale) previously supplied by Goldacres to the Purchaser (if any) and in all future Goods (and any associated Proceeds from their sale) that may be supplied to the Purchaser by Goldacres.
- (2) The Purchaser acknowledges that Goldacres has a first ranking purchase money security interest ("PMSI") (as defined in section 14 of the PPSA) in the Goods and the Purchaser must not jeopardise such ranking (whether by act or omission).
- (3) The Purchaser acknowledges that it has received value as at the date of first delivery of the Goods and has not agreed to postpone the time for attachment of the security interest (as defined in the PPSA) granted to Goldacres under these terms and conditions.
- (4) The Purchaser will execute documents and do such further acts as may be required by Goldacres to register the security interest granted to Goldacres under these terms and

conditions under the PPSA.

- (5) Until ownership of the Goods passes, the Purchaser must not give to Goldacres a written demand or allow any other person to give Goldacres a written demand requiring Goldacres to register a financing change statement under the PPSA in respect of Goldacres' interest in the Goods.
- (6) The Purchaser must indemnify Goldacres and on demand reimburse Goldacres for all costs and expenses incurred by Goldacres in respect of these terms and conditions including but not limited to Goldacres registering its security interest in the Goods, lodging, discharging or amending any financing statement or financing change statement, or otherwise complying with the PPSA.
- (7) The Purchaser agrees (other than as provided in these terms and conditions) not to sell, lease, mortgage, deal with, dispose of or create or attempt to create any other security interest in or affecting the Goods unless and until the Purchaser's Debts have been satisfied.
- (8) The Purchaser waives its rights under the following provisions of Chapter 4 of the PPSA:
- (a) to receive a notice on enforcement action against liquid assets (section 121(4)),
- (b) to receive a notice to seize collateral (section 123);
- (c) to receive a notice of disposal of Goods by Goldacres purchasing the Goods (section 129);
- (d) to receive a notice to dispose of Goods (section 130);
- (e) to receive a statement of account following disposal of Goods (section 132(2));
- (f) to receive a statement of account if no disposal of Goods for each 6 month period (section 132(4));
- (g) to receive notice of any proposal of Goldacres to retain Goods (section 135(2));
- (h) to object to any proposal of Goldacres to either retain or dispose of Goods (section 137(2));
- (i) to redeem the Goods (section 142);
- (j) to reinstate the security agreement (section 143);
- (k) to receive a notice of any verification statement (section 157(1) and section 157(3));
- (9) The rights Goldacres may have under the PPSA are supplementary and in addition to those set out in these terms and conditions and do not derogate from the rights and remedies of Goldacres under these terms and conditions or under any other statute or under general law.
- (10) The Purchaser must give 10 business days prior written notice of any proposed change in the Purchaser's name or other identifying characteristics and details.

Purchasers property

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

Storage

19. Goldacres reserves the right to make a reasonable charge for storage if delivery instructions are not provided by the Purchaser within (14) fourteen days of a request by Goldacres for such information.

Returned Goods

20. 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

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

Cancellation

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

No waiver

23. The failure of any party to enforce the provisions of these terms and conditions or to exercise any rights expressed in these terms and conditions 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

24. 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 these terms and conditions then Goldacres shall be relieved of that obligation under these terms and conditions 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

25. 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

26. To the extent permitted by law Goldacres shall not be liable to the Purchaser in contract or 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 and 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, not 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

27. To the extent permitted by law the 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

28. 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.

SAFETY

General

The following pages outline important safety information. At Goldacres safety is a high priority. These safety and warning instructions MUST be followed to ensure the safe operation of your Goldacres equipment.

Explanation of key terms used in this operator's manual are:

Danger - You will be killed or seriously hurt if you don't follow instructions

Warning - You can be seriously hurt if you don't follow instructions

Caution - You can be hurt if you don't follow instructions

Note - Is used to notify people of installation, operation or maintenance information that is important but not hazard related.

The Operator

All operators of this equipment should be adequately trained in the safe operation of this equipment. It is important that all operator's have read and fully understand the operators manual prior to using this equipment.

All new operators should be trained in an area without bystanders or obstructions and become familiar with the sprayer prior to operation.

Safety Precautions

Warnings

- FOR QUAD USE REFER TO THE QUAD OPERATORS MANUAL.
- Any unauthorised modifications to this equipment may affect its function and create a serious safety risk.
- Never attempt to clean parts or nozzles, by blowing with mouth.
- Never attempt to siphon chemicals, or substances, by sucking.
- It is imperative that the vehicle

manufacturer's specifications be checked and all instructions for use when transporting, or towing, be adhered to at all times.

- Care should be taken when transferring liquid into the tank to ensure that the gross weight of the equipment does not exceed the carrying, braking and/or towing capacity of the vehicle to which the equipment is attached as specified by the vehicle manufacturer.

NOTE: 1 LITRE WATER = 1KG.

- Water weighs 1kg per litre, however conversion factors must be used when spraying liquids that are heavier or lighter than water. Example: liquid has a density of 1.28 kg/L and will therefore be significantly heavier than water if the tank is filled completely.
- Suitable care should be taken when driving with the equipment attached to the vehicle. Consideration should be given to both the carrying capacity of the vehicle and the gradient of the terrain when determining the speed at which the vehicle can be driven safely.
- Ensure that the maximum speed of the vehicle, when loaded, is within the vehicle manufacturers limitations.
- Ensure equipment is securely fastened, or attached to the vehicle at all times.
- Never stand within the radius of boom wings.
- Regularly check the pump mounting bolts. The pump will always vibrate to some degree when operating, and this may work the bolts loose.

Cautions

- A supply of fresh water should be with the equipment at all times.
- Standard polyethylene tanks are not designed for use with diesel fuel or any flammable liquid.
- Do not use this machine in ambient temperatures exceeding 40 degrees Celsius.
- Ensure that all bolts are tightened and secured before operation.
- The nozzles supplied with this equipment may not suit all chemical

applications. Always ensure that the nozzles that are fitted match the recommended spray quality on the chemical label.

- Where fitted, always ensure that the boom is securely supported when travelling.
- Area surrounding equipment may become slippery when wet.

Notes

- Always read and understand the operator's manual prior to operation of this equipment.
- It is the responsibility of the operator to ensure that there are no decals missing from the equipment and that any damaged or missing decals are replaced prior to operation.
- Goldacres equipment ordered or operated, outside the guideline limitations may not be warranted by Goldacres for successful performance. Operators working outside these limitations do so at their own risk, unless specific advice has been sought from and provided by Goldacres in writing.
- Always read and follow the chemical manufacturer's guidelines for safe application as per the chemical label. Particular attention should be given to the recommended target application rate of the chemical being applied as per the chemical label.
- Inspect the equipment thoroughly for damage and wear before operation.
- Flush chemicals from equipment immediately after use.
- Certain chemicals may be unsuitable for use with Goldacres standard plumbing designs. Consult your Goldacres dealer if in doubt.
- Do not operate the equipment while under the influence of any drugs, alcohol or if excessively tired.
- Make sure that the equipment complies with all relevant road regulations when transporting.
- When draining fluids from the equipment use appropriate, leak proof

containers. Do not use food or beverage containers as someone may consume the contents by mistake.

- After reading the operator's manual if there is any thing that you do not understand please contact your Goldacres dealer or Goldacres.

Safe use of chemicals

The safe use of Ag chemicals with this equipment is the responsibility of the owner/operators. All operators should be trained in the safe use of Ag chemicals. Goldacres suggest that a relevant course is completed by owners/operators prior to operation of this equipment as a spray unit.

Personal Protective Equipment (PPE)

Always wear close fitting clothing and safety equipment designed for the job.

Chemicals can be harmful to humans, appropriate PPE should be used when handling chemicals.

Always refer to the chemical manufacturers label for guidelines on the appropriate PPE to use with the chemicals you are using.

Goldacres also suggest that you read and understand the following Australian standards:

- Australian Standard for Chemical protective clothing AS3765
- Australian Standard for Respiratory protection devices AS1715

Air borne particles

Always stand well clear of equipment during operation. Any spray drift is dangerous and may be hazardous to humans and animals.

Fluids under pressure

Do not disconnect any hoses, nozzles or fillers while equipment is operating. Disconnecting these components while under pressure may result in uncontrolled fluid discharge which may be hazardous.

When the repair is complete ensure that all fittings and lines are secured before re-applying pressure.

Safety Decals

Understanding safety decals and their purpose assists in the safe operation of your sprayer. Safety decals are there for your protection and it is the responsibility of the owner operator to replace damaged and/or missing safety decals.

Regularly review safety decals with operators. It is very important to ensure that all new machine components and replacement parts include current hazard identification decals.

Replacement safety decals can be ordered from all Goldacres dealers.



OPERATION

Connections

The following steps should be followed when connecting to a power source:

1. Ensure that the battery is 12V DC.
2. Connect the red connector to the positive (+) terminal and the black connector to the negative (-) terminal.

Filling

When filling the sprayer it is necessary to use an external water source and wear the appropriate PPE.

The following steps should be followed when filling the tank:

1. Turn the pump off.
2. Remove the tank lid.
3. Add chemical as required. When filling with water, after adding the chemical, some agitation will take place.
4. Use external water source to fill main tank (Do not exceed the tank capacity)
5. Replace the tank lid and ensure that it is secure prior to switching on pump. You are now ready to use the sprayer.

Calibration

All sprayers need to be calibrated and kept in good condition. This will ensure that the correct rate of chemical is applied to the target.

Follow these steps to calibrate the sprayer:

1. Measure the spray width of the nozzle on a dry surface (in metres)
2. Spray a test area at the intended pressure and speed. Record distance (in metres) covered in one minute (minute)
3. Measure the nozzle output in litres over one minute in a measuring jug (l/min)

The spray volume can be calculated by the following formula:

Application rate (L/Ha) =

$\frac{\text{Nozzle output (l/min)} \times 10,000}{\text{Spray width (m)} \times \text{speed (m/min)}}$

Spray application

After completing the filling process, you are now ready to start spraying.

NOTE: It is the responsibility of the operator to ensure that the chemical mix is sufficiently agitated and that the conditions are right to start spraying. Operators must wear the appropriate PPE.

1. Switch “On” pump
2. Allow pump to build pressure
3. Engage the trigger on the spray lance to start spraying
4. Adjust the nozzle pattern as required by rotating the nozzle in the appropriate direction as required
5. Use a consistent speed or swath pattern to ensure even coverage of the target, or adjust the method of application according to your target.

Agitation

Agitation should take place when filling or through another method as deemed suitable by the operator.

Flushing

The following information is provided as a general guide for flushing your sprayer after

a spray application.

For more specific information regarding flushing, and decontamination, specific to the products that you are applying, it is recommended that you consult the chemical label or your chemical supplier.

1. Turn pump off
2. Drain main tank by removing drain plug
3. Add a quantity of fresh water to main tank and allow to drain through plug.
4. Replace plug and add a quantity of fresh water, and decontaminating agents if required, to main tank.
5. Turn on pump, and spray fresh water through the lance. This will ensure that fresh water has circulated through the pump and lance.
6. Drain remaining contents of fresh water and replace tank drain plug. The sprayer is now ready for storage.

Storage

If the sprayer is to be stored for a long period of time without use, there are several tasks that need to be performed.

1. Clean the sprayer thoroughly as described under “flushing”
2. Store the sprayer out of direct sunlight and where it will not be affected by frosts
3. Ensure that the main tank is empty
4. Protect hoses and electrical connections

General Information and specifications

Overview

Paint Colours: Steel work: G13 Dark Green

Tank: All tanks are constructed from UV resistant polyethylene. Polyethylene tanks have a very high chemical resistance.

Due to the rotomoulding process, there can be a variance in the overall dimensions of the tank which in turn results in variations to the tank capacity. For this reason, any calibration markings should be used as a guide only.

Filtration: Filtration is a critical part of the sprayer's performance.

Ultimate ST sprayers are fitted with an inline suction strainer. It is important that the strainer is cleaned out regularly.

Pump: The pump is critical to any sprayer performance. Correct operation and maintenance of the pump will ensure the sprayer is able to perform to its capabilities. Make sure the pump wires are connected up to the correct terminals (red to positive, black to negative).

Always flush pump with clean water after every use. Prolonged chemical contact can severely damage valves, diaphragms and seals.

Do not leave water in pump if sprayer is to be left in a cold environment. The water may freeze and cause damage to pump. Empty pump of all water and cover the pump to ensure this situation does not arise. If this has not been done, and there is a possibility there may be frozen water in the pump, wait until any ice has thawed before using the pump.

The 12 volt pumps are positive displacement diaphragm pumps which provide delivery upon demand.

They are self-priming and are fitted with a pressure switch which senses the outlet pressure of the pump. The pressure switch turns the electrical power off to the pump at a pre-determined high pressure point.

As the outlet side of the pump is opened, the pressure starts to drop and at a pre-determined point (typically 40-75 psi) contacts in the switch will lose causing the pump to start automatically. The pump will then pump until the pressure reaches the shut-off pressure point.

CAUTION: Do not adjust the pressure switch out so that the pumping pressure exceeds the maximum pressure for the pump.

If the flow demand is very low, the pump may reach this high pressure point and cause "cycling" (pump turns on and off rapidly).

This is not a problem unless the pump is subject to continuous cycling within two second intervals for long periods of time. Altering the setting of the pressure switch, or adjusting the agitation ball valve so that

there is some bypass back to the tank and altering the adjustable conejet nozzle on the gunjet will all remedy this situation, depending on what is most suitable.

Chemical Induction: Chemical should be put into the main tank through the main tank lid. It is important to ensure that chemical is thoroughly mixed prior to spray application.

Booms: Booms are available for connection as an option.

Nozzles: As information regarding nozzles is specific to those being used in your application, no specific reference is made to nozzle application rates or nozzle types in this operator's manual. Goldacres suggest the use of a current TeeJet nozzle selection catalogue for reference to nozzle sizes, outputs, spray patterns and general spraying information.

For more technical information on the function of spray nozzles and factors affecting their performance you can also use the TeeJet "User's guide to spray nozzles".

The nozzles supplied with this equipment may not suit all chemical applications. Always ensure that the nozzles fitted match the recommended spray quality on the chemical label.

The TeeJet nozzle selection catalogue and Users guide to spray nozzles are available from Goldacres dealers, or as a free download from the TeeJet website: www.teejet.com

Custom built equipment: Where the owner of this sprayer has requested that custom built equipment or options be fitted to this sprayer it is necessary to understand that custom fabrication and engineering is subject to many variables. Goldacres cannot fully field test all custom built options prior to despatch, and owners of new sprayers fitted with custom built equipment or options need to understand that the functionality of these items may require refining in order to operate as desired.

Optional Equipment: An extensive range of optional equipment is available for fitting to Goldacres sprayers. Specific information regarding optional equipment fitted to your machine.

Identification

When ordering parts or requesting service information for your sprayer it is important to quote the serial number of your machine, and the purchase date, in order to receive accurate information. The location of the serial number is shown in the picture.



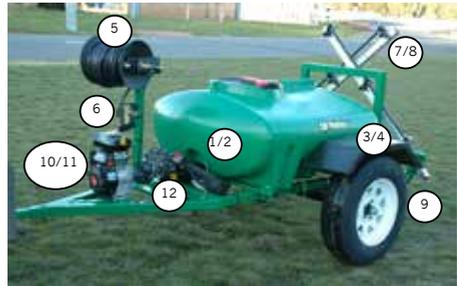
Dimensions

Please note: Dimensions are approximate only and may be subject to change without notice.

Model	Width Mt	Length Mt	Height Mt	Weight kg
400 Lt with no boom	1.7	2.5-3.0	1.2	188
600 Lt with no boom	1.7	2.5-3.0	1.2	206
400 Lt with 4 Mt Boom	1.7	2.5-3.0	1.3	205
600 Lt with 6 Mt Boom	2.1	2.5-3.0	2.1	240

Key features

NO.	Description
1	400 low tank GA5023130
2	600 low tank GA5023135
3	Plastic mud guards inc brackets GA490139
4	Plastic mudguards no brackets GA5052675
5	30 Mt Hose reel GA5066080
6	AA30L GunJet GA4900546
7	4 Mt folding boom GA4900096
8	6 Mt folding boom GA4900102-MF-NS
9	14" wheels GA5017801
10	lota pump & 2.5 HP engine GA5023160
11	14 Lt Flojet 12 volt pump GA4900684
12	Suction filter GA3142463



Wheels & Tyres:

All tyres used on Goldacres sprayers have been designed to carry the maximum loaded weight of the sprayer when travelling at 20 km/h. The load capacity of the tyres decreases as travelling speed increases so it is important to heed this travelling speed limit.

The tyre pressure also needs to be checked regularly (check every 8 to 12 hours of operation) and maintained at the required tyre pressure.

There are many factors concerning the appropriate tyre pressure for a particular tyre and load. For example, the tyre size, rim type, tyre status (driven or free rolling), load, speed, haul length and ply rating all

need to be considered when determining the tyre pressure

To determine the correct tyre pressure:

1. Determine the maximum weight of the sprayer when loaded (do not forget to add the weight of the rinse water tank and the foam marker tank when filled).
2. Allow for each tyre to carry half the maximum loaded weight of the sprayer (this does not allow for any load on the tractor pull or cyclical loading, which provides for a safety margin).
3. Determine what tyre size and ply is on

the sprayer.

4. Determine what appropriate tyre pressure will provide the load capacity required by the respective tyre as indicated in the following table.

Tyre Size	Ply	Rated Pressure (KPa)	Rated Capacity (Kg)
185R x 14"	8	450	850

MAINTENANCE & TROUBLESHOOTING

The troubleshooting information is provided as a reference when your sprayer is not functioning correctly.

To ensure that you receive the best possible service, it is recommended that you exhaust all applicable troubleshooting solutions shown prior to calling your dealer, or Goldacres, for service advice.

Problem	Possible Cause	Possible Remedy
Pump not priming	<ul style="list-style-type: none"> • Valves damaged • Restriction in suction line • Restriction in delivery line • Diaphragm damaged 	<ul style="list-style-type: none"> • Check, clean and/ or replace valve kit • Check suction line • Check delivery line • Replace diaphragm
Pulsating liquid flow	<ul style="list-style-type: none"> • Pump switching on and off due to pressure switch • Pump sucking air 	<ul style="list-style-type: none"> • Alter settings of the pressure switch • Alter the adjustable conejet nozzle • Restricted pump delivery • Check suction line
Pump pressure lower than expected	<ul style="list-style-type: none"> • Suction filter screen blocked • Restriction in suction line • Valves damaged • Diaphragm damaged • Pump sucking air • Insufficient voltage 	<ul style="list-style-type: none"> • Clean screen • Check hoses, fittings and tank outlet • Check/or replace valve kit • Check/or replace diaphragm • Check suction line • Check power supply
Pump stopping and starting when not in use	<ul style="list-style-type: none"> • Valves damaged • Insufficient voltage • Damaged diaphragm 	<ul style="list-style-type: none"> • Check valves • Check power supply • Check/or replace diaphragm

MANUAL FOLDING BOOMS

General information

The boom fitted as standard is part of the Goldacres range of “folding booms”

which are available in sizes from 3 metres to 8 metres. These booms are constructed from

RHS for strength, the wings fold in for transport, and jet bodies are mounted on stainless steel brackets behind the boom for protection.

All booms, regardless of their design and operating width, present certain safety hazards

in their operation. Please ensure that you have read all safety precautions as included in this manual and take particular note of those re-listed below.

WARNINGS

- Never stand within the radius of boom wings.
- Keep clear of overhead obstructions.
- CRUSH HAZARD - Keep hands clear of moving parts when carrying out boom fold and unfold sequences.

CAUTIONS

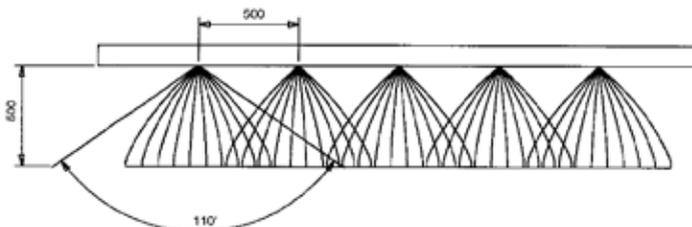
- Always ensure that there is adequate room for the boom to open.
- Always ensure that the boom is adequately supported when transporting.

Boom height

The standard nozzle spacing on Goldacres booms is 500 mm. For this spacing, the optimum height the boom should be from the object to be sprayed (with a 110° fan angle nozzle) is 500 mm.

There will be adequate spray coverage if the nozzles are higher than this but this increases the potential for drift. The spray pattern is affected by many factors not limited to, but including, gravity, pressure, chemical composition and droplet size

so the pattern does not extend to the full theoretical coverage. Refer to the TeeJet nozzle selection catalogue for further information on spray application and nozzle technology.



Boom height adjustment

For booms that do not feature a screw height adjust or hydraulic lift, adjust the height of the boom by loosening the nuts on the U-bolts clamping the boom to the frame.

Raise or lower the boom to the desired height and then re-tighten the nuts on the U-bolts.

Booms fitted with optional screw height adjuster. The screw height adjuster uses a handle and thread that is turned clockwise or anti-clockwise to move the boom up or down as needed. Two lock nuts, on the thread, are used to secure the boom into the working position.

To adjust: un-screw the lock nuts until they give approximately enough adjustment for the screw to move in the direction required.

When you have screwed the adjuster up or down as much as required, re-tighten the lock nuts to ensure that the boom remains in the set position.

Booms fitted with optional 900mm hydraulic lift.

The 900mm hydraulic lift, provides a 900mm range of vertical adjustment for the boom to allow convenient adjustment of boom height when required. To adjust, with the hydraulic hoses connected to your hydraulic power source, the hydraulic cylinder can be actuated by moving your control lever as required to lower or raise the boom. When the boom has reached the desired height release the control lever and the boom is set.

Operating instructions for folding booms

1. Starting with the boom in the closed position (Fig.1), pull each wing against the spring in an out and down manner until open and resting against the stop plate with the adjustment bolt.
2. With both wings folded out into the open

position, (Fig. 2) check that boom is aligned correctly.

3. If not aligned correctly, adjust position with the adjustment bolts as necessary.
4. The 3 metre folding boom folds vertically and the 8 metre model includes flip over ends that should be folded into the open position prior to operation.

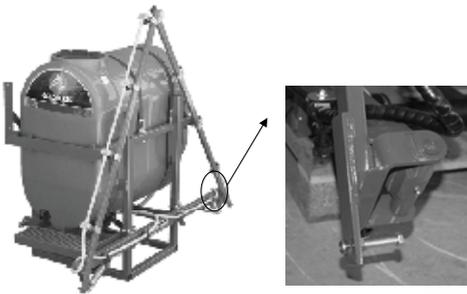


Figure 1: 3PL Pasture with 6 metre folding boom closed.



Figure 2: 3PL with 6 metre folding boom open

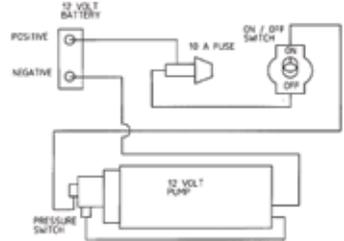
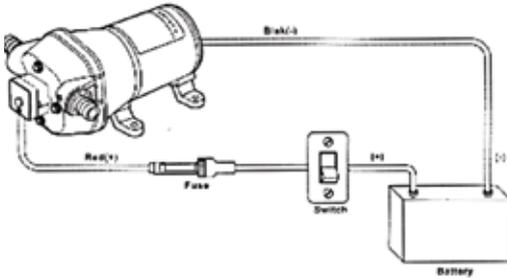
Folding boom lubrication

Folding booms have a grease nipple fitted at each pivot point. Grease these points regularly with quality multi purpose grease.

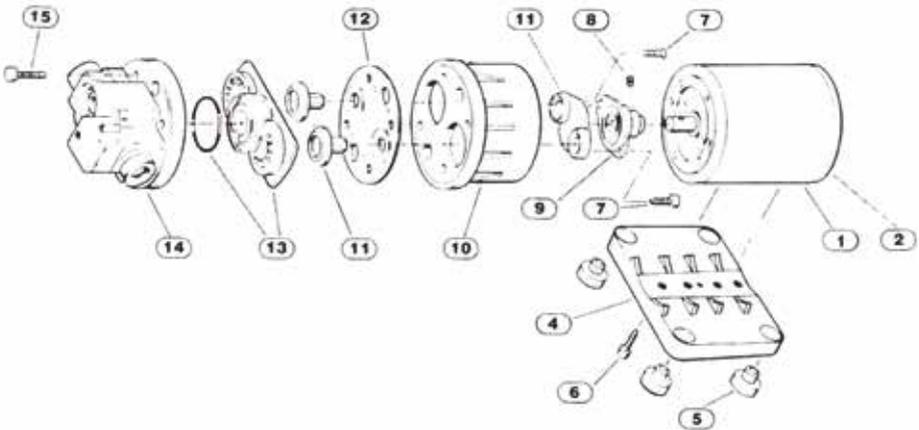
12v Pump wiring diagram

Important: Use 14 gauge stranded wire up to 6 metres from power source and 12 gauge up to 18 metres from power source.

Connect Red to Positive (+) terminal and Black to Negative (-) terminal.

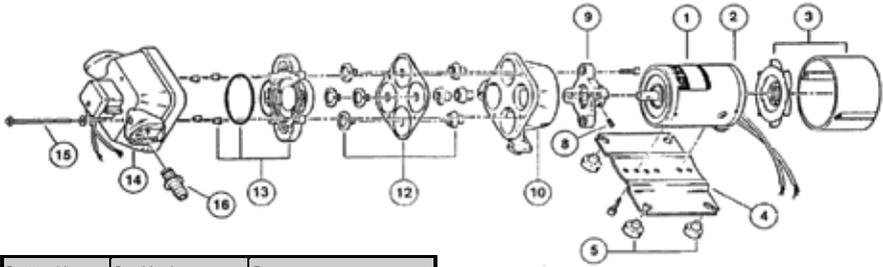


Flojet 7.6 lt/min 70 psi



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	21010 -004	Diaphragm kit
13	20028 -008	Valve kit
14	20316 -011	Upper housing / Switch assy.
15	20131 -001	Pump screws
*	2095 -100	Pressure switch

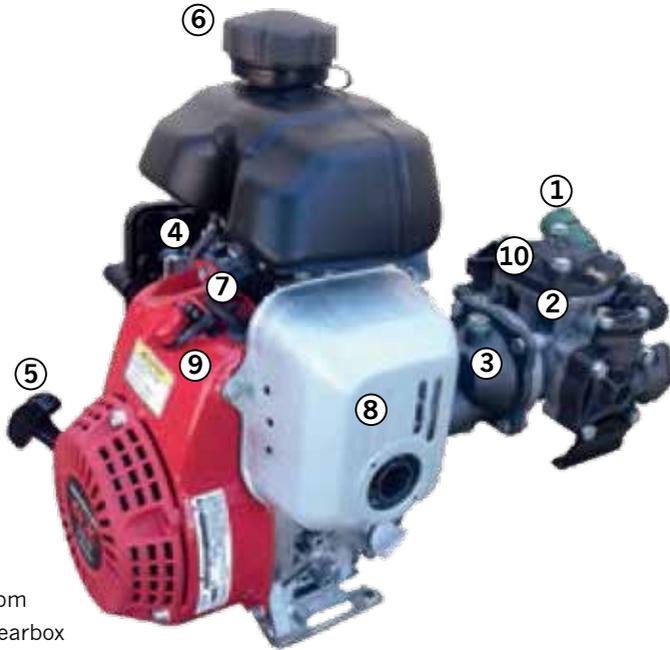
Flojet 14lt/min 45 psi



Position 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

Shurflo 11.3 l/min 45 psi

IOTA 20 PUMP Gear Box & Honda GX100 engine



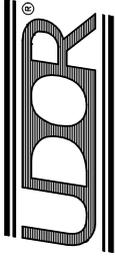
290psi/20bar
 20 l/min@550rpm
 6:1 Reduction Gearbox
 3hp Honda GX100 Engine

Number	Description
1	Control valve
2	Pump
3	Gearbox
4	Choke
5	Pull cord
6	Fuel cap
7	Spark plug
8	Muffler
9	On/Off switch
10	Air damper

PART NUMBER	DESCRIPTION
GA5023895	3hp GX100 engine
5091D9	Udor 6.1 Reduction Gearbox to suit Honda GX
IOTA20	Udor Iota20 pump

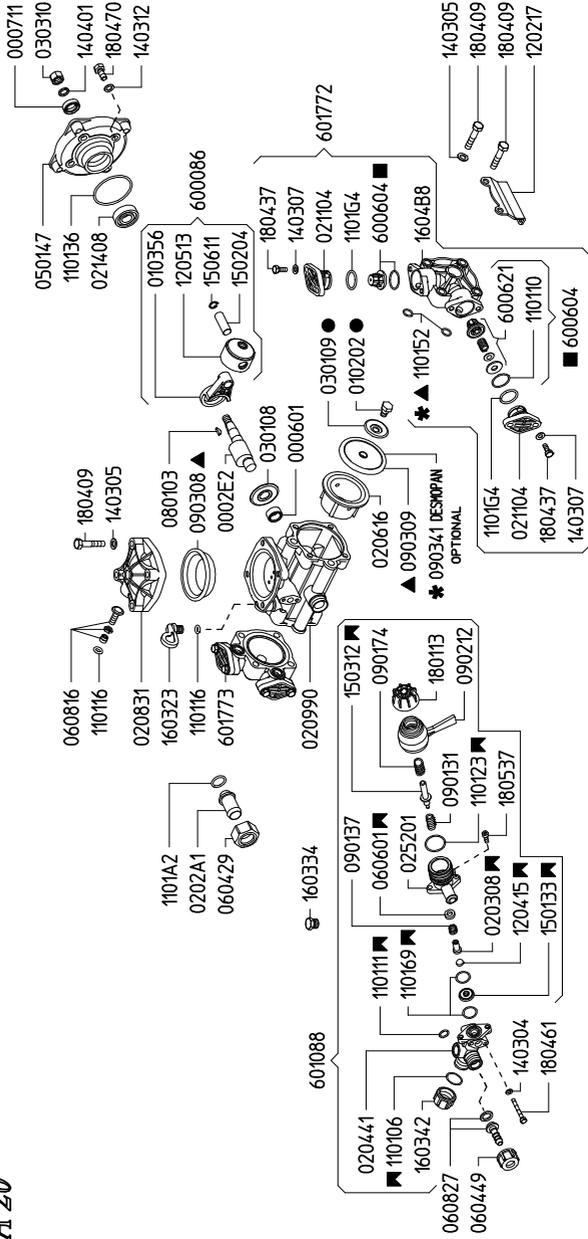
SERIE - SERIES

844200 IOTA 20

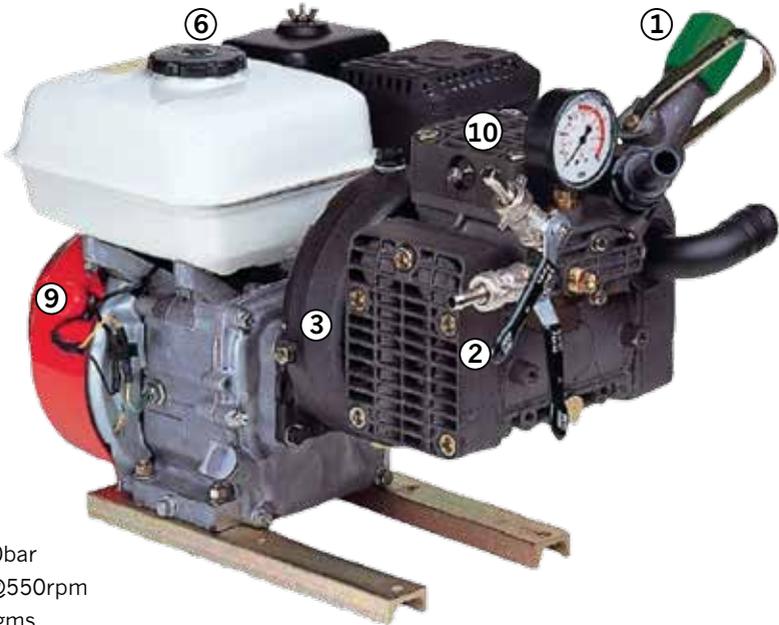


IOTA

IOTA 20



KAPPA 40 PUMP Gear Box & Honda GX200 engine

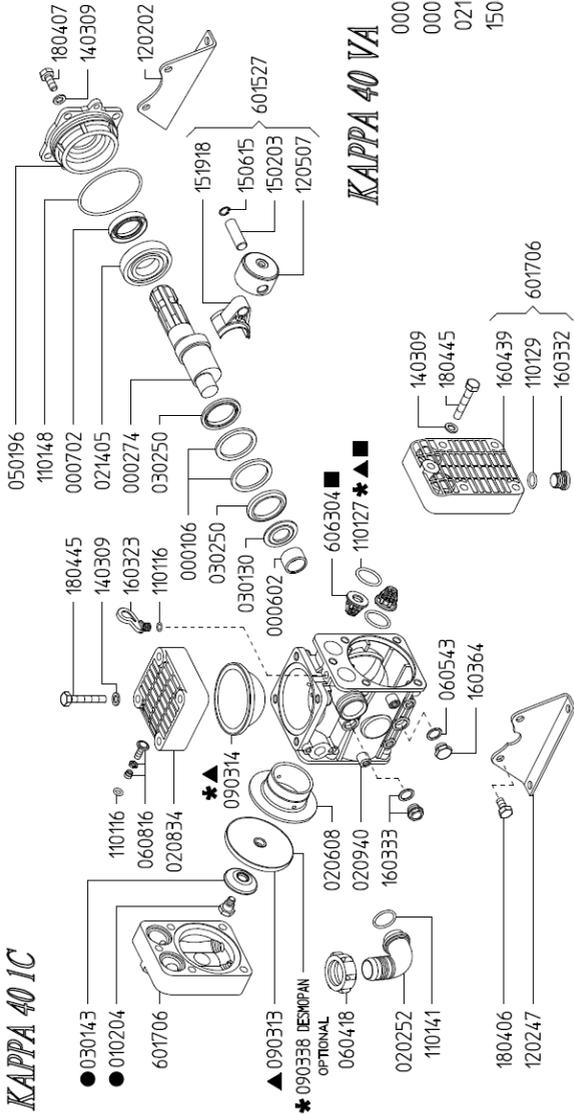


580psi/40bar
 48 l/min@550rpm
 2 diaphragms
 6:1 Reduction Gearbox
 6.5hp Honda GX200 Engine

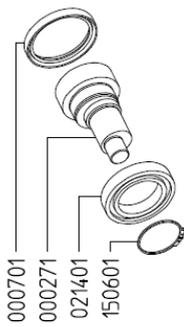
Number	Description
1	Control valve
2	Pump
3	Gearbox
4	Choke (hidden)
5	Pull cord (hidden)
6	Fuel cap
7	Spark plug (hidden)
8	Muffler (hidden)
9	On/Off switch
10	Air damper

PART NUMBER	DESCRIPTION
GA5023085	6.5hp GX200 engine
502775	Udor 6.1 Reduction Gearbox to suit Honda GX
KAP40	Udor Kappa40VA pump
DS3	3 way manual control valve

KAPPA 40 1C



KAPPA 40 VA



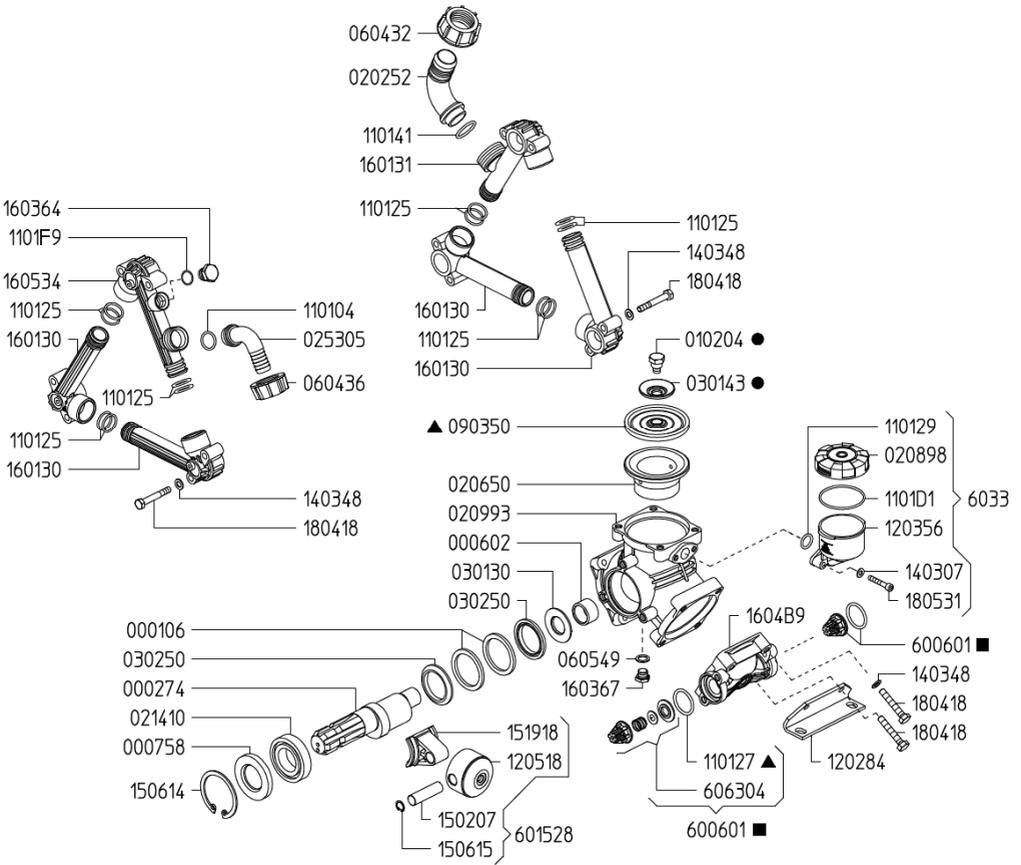
Variante versione VA rispetto alla 1C
 Variables of version VA compared to 1C

ZETA 70 PUMP DIAGRAMS

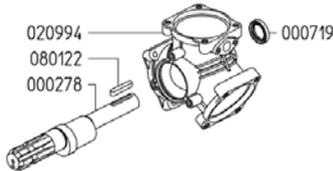
290psi/20bar
70.5 l/min@550rpm
3 diaphragms
POT drive ZETA70



ZETA 70 PUMP DIAGRAMS



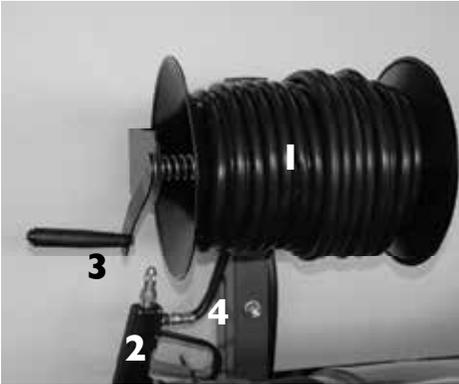
ZETA 70 TS 1C



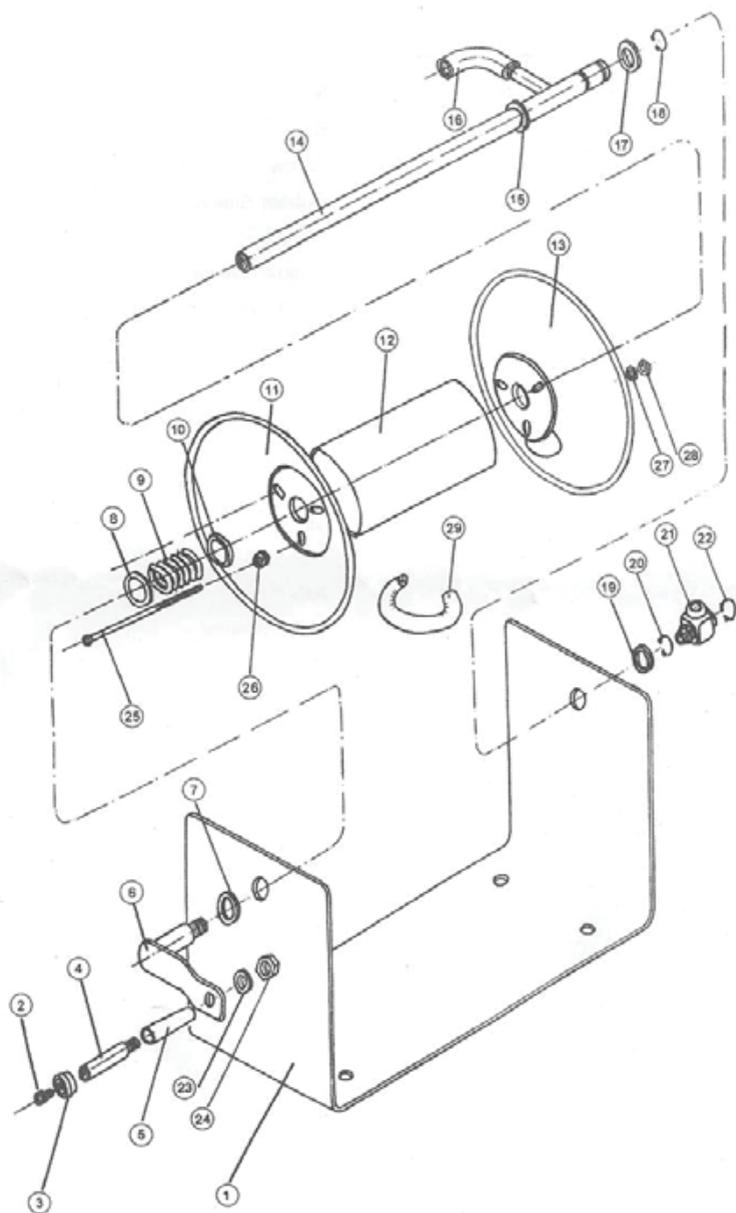
Variables of version TS 1C compared to 1C

30MT MANUAL HOSE REEL

Ref. No	PART NUMBER	DESCRIPTION
1	GA5066080	30 Mt manual hose reel
2	GA4900546	AA30L GunJet with adjustable brass ConeJet
3	5500X18	Adjustable ConeJet
4	GA5020875	Male tailpiece ¼" thread x ½" barb



Part No.	QTY.	DESCRIPTION
1	1	Base
2	1	Screw
3	1	Rubber Sleeve
4	1	Handle
5	1	Handle Sleeve
6	1	Link Lever
7	1	Washer
8	1	Washer
9	1	Spring
10	1	Washer
11	1	Flange A
12	1	Sleeve
13	1	Flange B
14	1	Axle
15	1	Fixed Washer
16	1	Outlet Fitting
17	1	Washer
18	1	Spring Washer
19	1	Washer
20	1	Spring Washer
21	1	Swivel Valve (Inc. 2 valve O-ring)
22	1	Spring Washer
23	1	Washer
24	1	Nut
25	1	Screw
26	1	Washer
27	1	Washer
28	1	Nut



AA30L GunJet

The Gunjet trigger needs to be locked via the trigger lock when not in use to prevent the Gunjet from spraying inadvertently.

ITEM	PART NO.	DESCRIPTION
1	CP17103-11/16-302SS	Screw, Type 302 Stainless Steel (7 Req'd)
2	CP19864-1-NYB	Right and Left Hand Housing Set, Nylon (Black)
3	CP7890-INP	Cup, Steel, Nickel Plated
4	CP7490-BRTEF	Valve Seat, Brass and Teflon
5	CP22136	Inlet Body, Brass (For Model 30L-1/4)
5A	CP22137-BR302S	Stem Sub-Assembly, Brass (For Model B30L-1/4)
6	CP14255-1-RU	Cup Packing, Buna-N
7	CP14255-1-VI	Cup Packing, Viton
7A	CP19812	Gasket, Brass
8	CP19811	Packing Screw, Brass
9	CP7484-SS	Stem Nut, Stainless Steel
10	CP7489-302SS	Trigger Stop Spring, Type 302 Stainless Steel
11	CP7622-302SS	#6 Burr, Type 302 Stainless Steel
12	CP17720-420SS	Roll Pin, Type 420 Stainless Steel
13	CP19820-420SS	Roll Pin, Type 420 Stainless Steel
14	CP19820-420SS	Roll Pin, Type 420 Stainless Steel
15	CP17703-NY	Trigger, Nylon (Yellow)
16	CP19810	Trigger Guide, Brass
17	CP19815	Spring Guide, Brass
18	CP22138-302SS	Spring, Type 302 Stainless Steel
19	CP19816	Spring Retainer, Brass
20	CP19819-SS	Washer, Type 18-8 Stainless Steel
21	CP19818-SS	Screw, Type 18-8 Stainless Steel
22	CP19806-NY	Trigger Lock, Nylon (Yellow)
23	CP19805-CE	Lock Spring Ring, Calcon

ITEM	PART NO.	DESCRIPTION
No. AA30L-1/4, GunJet® Spray Gun		
No. AA30L-1/4, GunJet® Spray Gun (BSP Threads)		
No. AA30L-1/4-VI, GunJet® Spray Gun with Viton packing		
No. AA30L-1/4-SS, GunJet® Spray Gun with Viton packing (BSP threads)		
AB30L-Kit - Spare Parts Kit (Includes all items marked with * and Item 7)		
AB30L-VI-Kit - Spare Parts Kit (Includes all items marked with * and Item 7A)		

DESCRIPTION:
NO. AA30L-1/4 AND AA30L-1/4
GUNJET SPRAY GUNS

Spraying Systems Co.®
Spray Guns, Accessories and
P.O. Box 12900, Hammond, IL 60498-2900

Rev. No. 4
Ref.

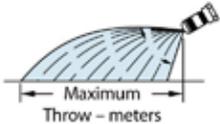
PARTS LIST
PL 30L & B30L
SHEET OF

Adjustable ConeJet Nozzle

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 in tip adjustment.

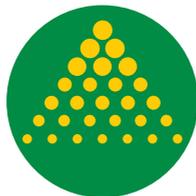
**TIP SETTING "A"
CONE SPRAY PATTERN**



**TIP SETTING "B"
STRAIGHT STREAM SPRAY PATTERN**



ADJUSTABLE CONJET TIP NO.	PERFORMANCE	LIQUID PRESSURE (bar)							
		1.5		2		3		4	
		A	B	A	B	A	B	A	B
5500-X18	Capacity—l/min	0.79	2.61	0.98	3.18	1.14	3.67	1.40	4.54
	Spray angle °	71	-	75	-	77	-	78	-
	Max throw m	1.2	11.6	1.2	12.8	1.2	13.3	1.2	13.0
5500-X22	Capacity—l/min	0.98	3.14	1.21	3.79	1.40	4.54	1.70	5.30
	Spray angle °	71	-	75	-	78	-	79	-
	Max throw m	1.2	11.7	1.40	13.0	1.5	13.6	1.5	13.2
5500-X26	Capacity—l/min	1.17	3.71	1.40	4.54	1.63	5.30	2.01	6.43
	Spray angle °	72	-	76	-	78	-	79	-
	Max throw m	1.4	11.6	1.5	13.1	1.5	13.7	1.7	13.3



GOLDACRES

1-3 Morang Crescent, Mitchell Park Vic 3355
P: 03 5342 6399 F: 03 5342 6308
info@goldacres.com.au