

GOLDACRES

Australia's World Class Sprayers



Traymount Operator's & Parts Manual

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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 03 5342 6399. 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.
- (2) 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.

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

- replacement within a period not exceeding either 1000 hours or twelve calendar months, whichever comes first, after the Goods have been dispatched provided that:
- (i) the defects have arisen solely from faulty materials or workmanship;
 - (ii) the Goods have not received maltreatment inattention or interference;
 - (iii) accessories of any kind used by the Purchaser are manufactured or approved by Goldacres;
 - (iv) where applicable, the seals on the Goods remain unbroken;
 - (v) there has been no improper adjustment, calibration or operation;
 - (vi) the use of accessories including consumables, hardware or software (not manufactured by Goldacres) has been approved in writing by Goldacres;
 - (vii) no contamination or leakage has been caused or induced;
 - (viii) any modification to the Goods have been authorised in writing by Goldacres;
 - (ix) 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.

Prices

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 damage 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 exercise by any party to enforce the provisions of these terms and conditions or to exercise any rights permitted 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 urea 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.

- Where fitted, always ensure that the boom (where fitted) 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

Airborne 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 fillters 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



Safety Decal Locations



GENERAL INFORMATION & SPECS

Traymount 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, calibration markings should be used as a guide only.

Nozzles (if fitted):

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 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

Machine limitations:

All Goldacres equipment is subject to operating limitations, it is the operator's responsibility to ensure that this equipment is being operated within these limitations and appropriately to the operating conditions at hand.

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:

A range of optional equipment is available for fitting to Goldacres sprayers. Specific information regarding optional equipment fitted to your machine can be found in the rear of this manual.

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 plate on your machine is shown in the picture.

****PHOTO/DIAGRAM NEEDED SHOWING SERIAL NUMBER PLATE****

PARTS ORDERING

When ordering parts from your Goldacres dealer, please quote:

Serial No

Part no required

Part description

Quantity required

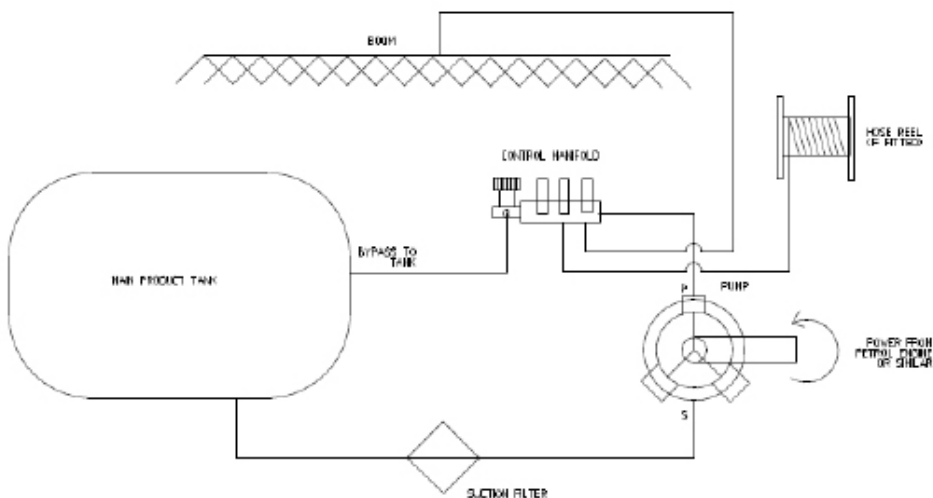
When returning parts to Goldacres, or a Goldacres dealer, for service or repair all parts **MUST** be cleaned thoroughly before sending them. Goldacres cannot expose technicians to the many potentially hazardous pesticides and substances that are in use.

NOTE:

Please ensure that all parts are clearly labelled with the owner's details, and a brief description of the fault. Goldacres is not liable for the return of any goods to Goldacres or a Goldacres Dealer. The goods must be returned to the point of sale. The customer will be responsible for any cost incurred by a Goldacres appointed person travelling to any site outside the point of sale.

Genuine Goldacres parts only should be used on Goldacres equipment.

PLUMBING SCHEMATICS



FILTERS



WARNING: Ensure that operator's wear the appropriate PPE when cleaning filters.

It is essential to maintain all filters, and filter screens, in good condition. Filter screens that are not regularly cleaned can severely impede the flow and thus affect delivery pressure.

If the screen is in any way damaged, it can allow foreign material into the pumping system which can result in damage to the pump, solenoids, valves and nozzle tips. If the screen is not properly fitted, it can allow air into the pumping lines which will reduce the performance of the pump.

The filter screen should be cleaned after every spraying operation. The best way to clean the filter screen is with a soft brush or compressed air after washing the entire chemical residue from the pump.

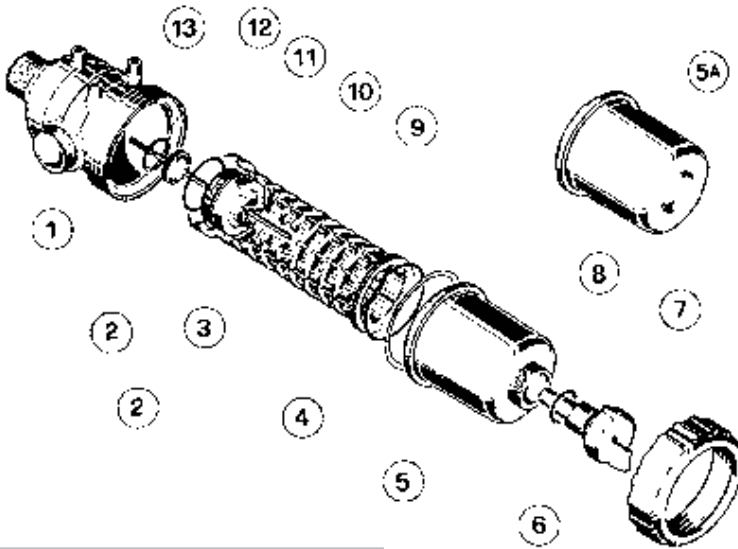
Safety Shut-Off Valve

The safety shut off valve enables the filter bowl to be removed while automatically shutting off the supply line to the filter. As the filter bowl is removed (with the bowl cap), the valve plunger seats so as to seal off the filter from the supply line. Replacing the filter bowl unseats the valve plunger and thus opens the supply line to the filter.

314 Suction Filter

To clean the suction filter:

1. Wear all necessary protective clothing;
2. Ensure the pump is turned off;
3. Carefully unscrew filter nut and remove bowl;
4. Remove screen and clean (with a soft brush or compressed air);
5. Check for damage to screen, bowl, body and 'o' ring;
6. Place screen back in position;
7. Make sure 'o' ring is in position for proper seal;
8. Replace bowl and screw nut on;
9. Do not over-tighten nut.



POS.	PART NUMBER	DESCRIPTION
1	314160.010	Suction filter body 1½"
2	314300.060	O Ring 71.1x2.6
3	314003.030	Blue screen (50 mesh)Grey screen (80 mesh)
4	314000.050	O Ring 94.6 x 5.3
5	314000.020	Suction filter bowl
5	314400.020	Suction filter bowl valve version
6	314000.040	Suction filter nut

Valve Version Only

POS.	PART NUMBER	DESCRIPTION
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

Pump

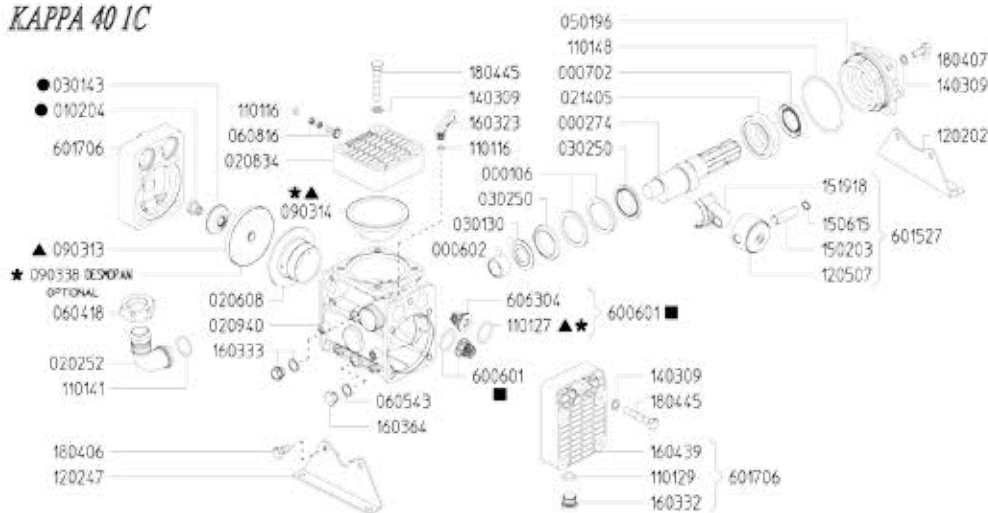


KAPPA 40 VA



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

KAPPA 40 1C



Reduction gearbox (where fitted)

Change the oil after the first 50 hours of operation and then after every 300-350 hours. Be careful to use the correct oil (use SAE 80/90 gear oil) and do not overfill.

Rotate engine manually (by hand) to remove air locks when filling with oil.

Centrifugal pump (where fitted)

For information on centrifugal pumps (where fitted) please refer to the separate manual supplied for information on the pump.

Controllers

ELECTRIC CONTROLLERS

GENERAL INFORMATION

Electric controls general information
Goldacres electric controllers allow for on/off control of individual boom sections via the individual switches, or on/off control of all boom sections simultaneously via the master switch on the control box. Pressure regulation can be either manual or electric depending on the model fitted.

It is important that the console is mounted in the cabin in such a way that it cannot

cause become a projectile in the event of sudden braking or an accident. The two bolts at the base of the control box are designed to provide adequate mounting to a bracket within the cabin. If the sprayer is disconnected from the towing vehicle, but the cable looms connecting the console to the sprayer is not disconnected.

The Master switch controls all boom valves simultaneously and the individual boom switches provide independent control of the boom valves.

Connect the two 7-pin trailer plugs together in order to be able to control the boom valves. Connect the battery wires straight to a 12 Volt battery. Do not connect to any other voltage line (ie. cigarette lighter). Attach the red wire (positive) to the positive terminal and the black wire (negative) to the negative terminal. Secure the battery wires with plastic cable ties. Do not tie the battery wires close to the existing battery leads or any other electrical wiring.

If using two 12 Volt batteries (ie two batteries in parallel) it is best to utilize the power as supplied by both batteries (ie connect to positive terminal on battery supplying starter motor and negative terminal on other battery).

Otherwise alternate which battery is being used each day so that one battery is not drained flat.

The pressure regulating valve is used to alter the spray delivery pressure. Screw in the pressure regulating valve (turn clockwise) to increase the delivery pressure. Unscrew the pressure regulating valve (turn counter clockwise) to decrease the delivery pressure.

The pressure regulating valve can also be used as a pressure relief valve if an alternate method of controlling the pressure is used.

In this capacity, the relief valve provides relief when the pressure exceeds a pre-determined value. If the regulating valve is used in this manner, it must be set so that the pressure can not exceed 690 kPa (100 psi).

This is preset by Goldacres. To check or alter this setting, turn the pump off and unscrew the valve right out. Have all

solenoids off (or any boom supply valves, close all the control manifold ball valves so that all flow passes through the relief valve.

Run the pump at maximum operating speed (540 PTO RPM) and slowly screw the relief valve in until the desired pressure is achieved (690 kPa). Tighten the nuts on the adjusting stem so that this setting is maintained. If the relief setting is too low, it causes too much flow to bypass back to the tank and it will limit the maximum obtainable pressure.

MANUAL CONTROLLERS

Goldacres have a number of manual and electric controller options available.

Please use the information provided as a reference to the specific controller fitted on your equipment. The controls will be labeled on your equipment according to the way in which it has been plumbed and what options have been fitted.

MANUAL CONTROLLERS

A general explanation of manual controller operations is as follows:

PRESSURE RELIEF VALVE:

The pressure relief valve provides relief when the pressure exceeds a pre-determined value.

Altering the adjusting stem will affect the setting at which the relief valve will come into operation. Turning the stem clockwise will increase the pressure relief setting.

Goldacres pre-sets the pressure to approximately 700 kPa (100psi) and this should not be altered. To check or alter this setting, turn the pump off and unwind the relief valve.

Turn the solenoids off, and then close all control manifold ball valves so that all flow passes through the relief valve. Run the pump at maximum operating speed (540 RPM) and slowly screw the relief in until the pressure achieved is 700kPa. Tighten the nut on the adjusting stem so that this setting is maintained. If the relief setting is too low, too much flow is allowed to bypass back to the tank and it will limit the maximum obtainable pressure.

DUMP VALVE

The dump valve enables all pump delivery to bypass back to the tank. The dump valve should be engaged when starting the pump with an engine so that the engine does not start under load. The dump valve should also be engaged when wanting to agitate the tank mixture when not spraying. To engage the dump valve, turn the dump valve down. This will cause all pump delivery to be bypassed back to the tank.

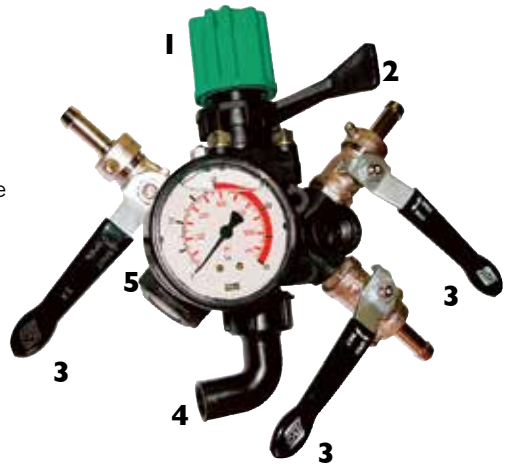
To disengage the dump valve, turn the dump valve up so that the pump delivery is directed out to the spray lines.

BOOM/ATTACHMENT

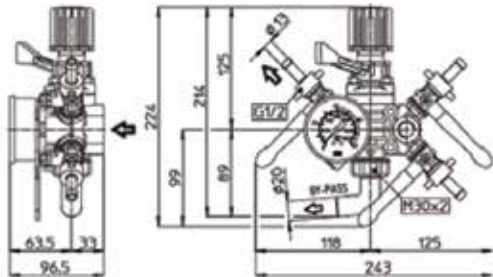
The boom/attachment levers (number fitted dependent on options specified) open or close flow to the appropriate boom section/s or attachment/s as labeled. Turn the lever to the ON position in order to direct flow from the pump to the required function.

Turn OFF to stop flow going to the attachment that is now not required.

DL manual control



- 1. Pressure regulator
- 2. Dump valve
- 3. Boom/hose reel on/off levers
- 4. Bypass
- 5. Pressure gauge



Specifications	L/min	GPM
Flow Rate	100	26,4
	Bar	PSI
Pressure	20/30/40	290/435/580
No. of Outlet	2/3/4	

Booms

Goldacres have a comprehensive range of boom options, including manual folding options up to 12 metres width. Please use the information on the appropriate boom fitted to your equipment for safe instruction on the proper use of this component. 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 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.

FOLDING BOOMS

Goldacres have a range of "folding booms" in sizes from 3 metres to 8 metres.

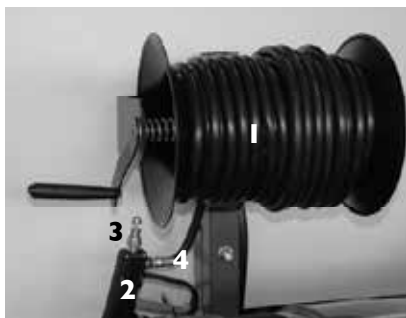
These booms are constructed from RHS for strength, the wings fold in for transport, and jet bodies are mounted on stainless steel brackets behind the boom for protection.

Operating instructions for "folding booms":

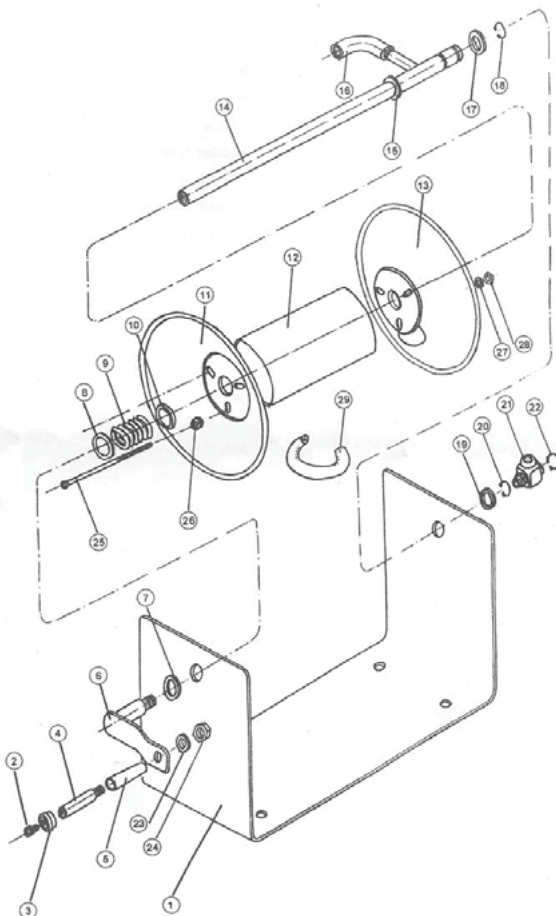
1. Starting with the boom in the closed position, pull each wing against the spring in an out and down manner until open and resting against the stop plate with the adjustment bolt.
2. With both wings folded out into the open position, check that boom is aligned correctly.
3. If not aligned correctly, 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.

Hose Reel

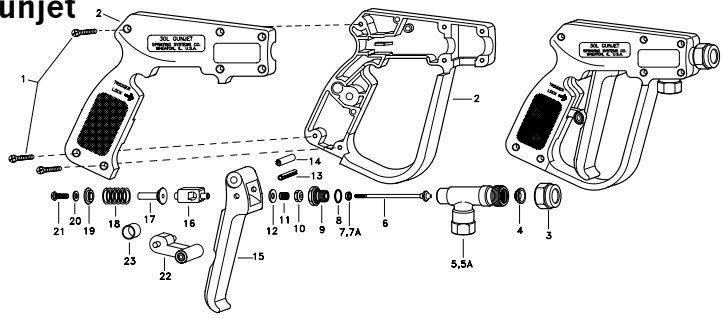
Ref.No	Part Number	Description
1	GA5066080	30 Mt manual hose reel
2	GA4900546	AA30L GunJet with adjustable brass ConeJet
3	5500X18	Adjustable ConeJet
4	GA5020875	Male tailpiece 1/4" thread x 1/2" barb



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



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 Sel, Nylon (Black)
3	CP7890-INP	Cup, Steel, Nickel Plated
4	CP7490-BRTEF	Valve Seat, Brass and Teflon
5	CP22138	Inlet Body, Brass (For Model 30L-1/4)
5A	CP822136	Inlet Body, Brass (For Model 30L-1/4)
6	CP22137-BR302S	Stem Sub-Assembly, Brass and Type 302 Stainless Steel
7	CP14255-1-BU	Cup Packing, Buna-N
7A	CP14255-1-VI	Cup Packing, Viton
8	CP19812	Gasket, Brass
9	CP19811	Packing Screw, Brass
10	CP7484-SS	Stem Nut, Stainless Steel
11	CP7489-302SS	Trigger Stop Spring, Type 302 Stainless Steel
12	CP7822-302SS	#8 Burr, Type 302 Stainless Steel
13	CP17720-420SS	Roll Pin, Type 420 Stainless Steel
14	CP19820-420SS	Roll Pin, Type 420 Stainless Steel
15	CP17705-NY	Trigger, Nylon (Yellow)
16	CP19810	Trigger Guide, Brass
17	CP19815	Spring Guide, Brass
18	CP22138-302SS	Spring, Type 302 Stainless Steel

ITEM	PART NO.	DESCRIPTION
19	CP19816	Spring Retainer, Brass
20	CP19818-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, Celcon

No. AA30L-1/4, GunJet® Spray Gun
No. AAB30L-1/4, GunJet® Spray Gun (BSPT threads)
No. AA30L-1/4-VI, GunJet® Spray Gun with Viton packing
No. AAB30L-1/4-VI, GunJet® Spray Gun with Viton packing (BSPT threads)
No. AA30L-KH - Spare Parts Kit (Includes all items marked with * and item 7)
AAB30L-VI-KH - Spare Parts Kit (Includes all items marked with * and item 7A)

DESCRIPTION:
NO. AA30L-1/4 AND AAB30L-1/4
GUNJET SPRAY GUNS

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.



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

Pre Operation

Know your sprayer

Getting to know your sprayer prior to operation is crucial in the safe and efficient operation of this equipment. Take the time to familiarise yourself with all the standard and optional components fitted to your sprayer, not only do you need to know where key components are located on your machine you need to become competent in the operation of these components prior to operation. It is also important to become familiar with common spraying methods and common spraying terms prior to using this sprayer for the first time.

Common spraying methods

To ensure complete coverage in general field applications, Goldacres suggest that two spray swaths (depending on boom size fitted) are completed around the outside perimeter of the field. After completing the outside laps you will now have a wide headland on which to turn when completing the remaining sections moving up and down the length of the field. To avoid over application of chemical, switch off boom sections as you pass over the already completed headland section.

NOTE: Variations in field sizes, shapes and terrain may require a change in the spraying method.

Please use the most appropriate method that is safe and suitable for your application.

Following delivery

The Goldacres Traymount sprayer has been designed for carrying by a suitably rated vehicle.

1. Remove from pallet (if attached) and position on a solid, flat surface.
2. Use a forklift, or other suitably rated lifting device, to lift the sprayer to a height suitable

for the vehicle. Use support legs to fix the unit at this height, as per the following pictures.

3. Use the sequence as shown in "MOUNTING ON THE VEHICLE" to fit the Tray Mount to your vehicle.
4. Carry out pre-start operation checks for engine and pump as per engine and pump manuals.
5. Fill with suitable quantity of water to test operation.
6. Follow operating instructions for controller fitted, bypass needs to be open to ensure that engine is not started with any load.
7. With engine and pump running smoothly at three quarter revs, close bypass and set required pressure, then activate boom (if fitted) and then hose reel (if fitted) and check operation.
8. The TRAY MOUNT sprayer is now ready for operation.

REMOVING FROM THE VEHICLE

Use the reverse of the procedure above to remove the Tray Mount from the vehicle.

CAUTION:

Remove the console from the vehicle cabin prior to removing the Tray Mount from the vehicle.





Fig 1.

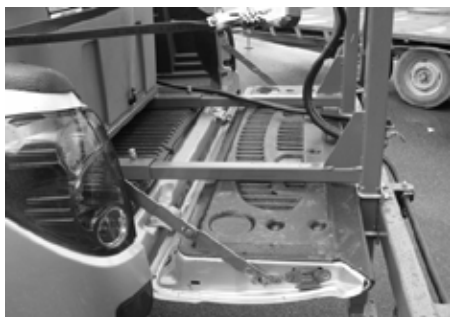


Fig 5.



Fig 2.



Fig 6.



Fig 3.



Fig 7.



Fig 4.



Fig 8.

Tasks prior to spraying

CAUTION:

Before using this equipment with a chemical mix, read, and understand, the instructions on the chemical label. The first time setup procedure should be carried out as a water test only prior to any chemical being applied to the tank and applied.

Following the first time set up procedure being followed, there are several important checks to be carried out prior to starting spraying.

1. Inspect the sprayer to ensure there is no damage or wear which could lead to injury, further damage or reduce its performance.
2. Check all bolts and nuts to make sure they are tight and secure.
3. Carry out scheduled lubrication.
4. Make sure the sprayer is securely attached to the vehicle
5. Fill the flush water tank (where fitted) and hand wash tank (where fitted) with an appropriate amount of clean water.
6. Clean all filters and nozzles.
7. Fill main tank with a quantity (approx 10% of total tank volume) of fresh water.
8. Test the pump with clean water. To start the pump, start the engine at the lowest revs possible and then gradually increase revs until the pump reaches your desired operating speed.

CAUTION:

Do not exceed 540 RPM.

9. Check nozzle patterns for irregularities. If there are irregularities, clean the nozzles and replace. If the problem persists they could be worn so remove and replace.
10. For optimal sprayer set-up, the operator needs to be aware of the correct nozzle, the correct speed at which to travel and the appropriate rate per hectare to apply the product. For this information, refer to the chemical label, the supplier of the product and the TeeJet catalogue.
11. Check all hoses and fittings for leaks or damage.
12. Follow the chemical label and ensure that you follow the specified mixing procedure for addition of chemicals to main tank.

13. When mixing procedure has been followed, fill main tank with appropriate quantity of water required for task at hand.

WARNING: When filling tanks with water, 1 litre of water will add 1 kg of weight. Some chemicals weigh more than water, therefore it is the operators responsibility to ensure the loaded weight of the sprayer does not exceed the towing and / or carrying capacity of the vehicle.

14. You are now ready to start using the sprayer

Operation

General

Before attempting to use your sprayer with any chemicals, the application rate in litres per hectare and the droplet spectrum need to be considered. This information should be readily available from your agronomist and by referring to the chemical label.

NOTE: Allow the pump to agitate the tank mixture while filling. It is normal practice to agitate the spray mixture before spraying. The chemicals need to mix uniformly throughout the spray mixture in order to achieve a correct spray application. Agitation is primarily a function of pump capacity, such that the larger the pump the greater the amount of bypass and hence the greater amount of agitation for a given spraying application.

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.

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:

$$\text{Nozzle output (l/min)} \times 10,000$$

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

Filling

1. Add 20 per cent of the tanks volume of clean water to the main spray tank.
2. Carefully add all chemicals (more water may be needed in the tank initially if adding granular or powder chemicals).
3. Add the remaining water (this will then help to mix the chemicals).
4. Agitate with pump at operating speed (maximum 540 RPM).
5. Check to ensure agitator is working (if fitted). There should be visible circulation of water near the back of the tank near the agitator.

After spray application

CAUTION:

Refer to chemical label for correct disposal of chemical residue.

Drain out any chemical residue in the tank through the drain tap.

Flush main tank:

1. With the main tank drained, rinse the inside of the tank with clean fresh water. As a guide, use 20% of the tanks volume for flushing.
2. With fresh water in the spray tank, operate the pump to clear chemical residue from the lines, then open the boom valves to allow the nozzles to be flushed.

CAUTION:

Refer to chemical label for correct disposal of chemical residue.

Refer to chemical label for correct decontamination procedure when decontamination is required.

Transporting the sprayer

Make sure the vehicle has sufficient lifting and braking capacity to carry the sprayer.

All relevant transport regulations must be adhered to when transporting the sprayer. (ie: speed regulations, oversize signs, flashing light, etc.) It is the operator's responsibility to know the relevant regulations. Make sure the sprayer is securely attached to the vehicle as shown below.



Fig 9.



Fig 10.

CAUTION:

Take care when reversing the vehicle with the sprayer attached. If driver visibility is restricted use another adult, with a clear view to the rear of the sprayer, to give reversing directions.

CAUTION:

It is the operator's responsibility to know the tare weight and gross weight of the sprayer.

Contact Goldacres dealer to ascertain a more precise tare weight for your sprayer if unsure. If any alterations are made to the sprayer, it is the operator's responsibility to know the tare weight and the gross weight of the modified sprayer at all times.

NOTE: Store the sprayer in a suitable location to prevent freezing. If the sprayer is to be left where freezing may occur, cover the pump and flow meter with a material bag and empty pump and flow meter of all water (run the pump dry for 15-20 seconds). Make sure any ice has thawed before using sprayer.

Ensure the main tank and any other tanks fitted are empty.

END OF SEASON TASKS

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

- Clean the sprayer thoroughly as described under “**END OF SPRAYING DAY TASKS**”.
- Follow end of season storage instructions for the engine (where fitted) as per the engine manufacturers operator manual supplied.
- With the sprayer attached to the carrying vehicle, carry out a thorough observation to determine if there is any damage to the sprayer.
- Store the sprayer in a position where it will not be affected by frosts, and preferably out of direct sunlight.
- Ensure the main tank and any other tanks fitted are empty.

Maintenance and Troubleshooting

Pump Information (Diaphragm pumps)

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.

Flushing the pump system with fresh water:

To flush the pump system, use the procedure described under the using your sprayer section of this manual for “Flushing”.

NOTE: Never overfill pump with oil as damage to seals and oil bowl may result.

The pump will perform optimally operating between 400 and 540 RPM. 500 RPM is approximately three quarter revs on the engine.

At lower revs excessive pulsation will occur, while pump and diaphragm damage can result at higher revs.

GENERAL INFORMATION & SPECS

Traymount 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, calibration markings should be used as a guide only.

Nozzles (if fitted):

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 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

Machine limitations:

All Goldacres equipment is subject to operating limitations, it is the operator's responsibility to ensure that this equipment is being operated within these limitations and appropriately to the operating conditions at hand.

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:

A range of optional equipment is available for fitting to Goldacres sprayers. Specific information regarding optional equipment fitted to your machine can be found in the rear of this manual.

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 plate on your machine is shown in the picture.

PARTS ORDERING

When ordering parts from your Goldacres dealer, please quote:

Serial No

Part no required

Part description

Quantity required

When returning parts to Goldacres, or a Goldacres dealer, for service or repair all parts MUST be cleaned thoroughly before sending them. Goldacres cannot expose technicians to the many potentially hazardous pesticides and substances that are in use.

NOTE:

Please ensure that all parts are clearly labelled with the owner's details, and a brief description of the fault. Goldacres is not liable for the return of any goods to Goldacres or a Goldacres Dealer. The goods must be returned to the point of sale. The customer will be responsible for any cost incurred by a Goldacres appointed person travelling to any site outside the point of sale.

Genuine Goldacres parts only should be used on Goldacres equipment.

12v Shurflo 5059 Pump 6.8 l/min 107 psi

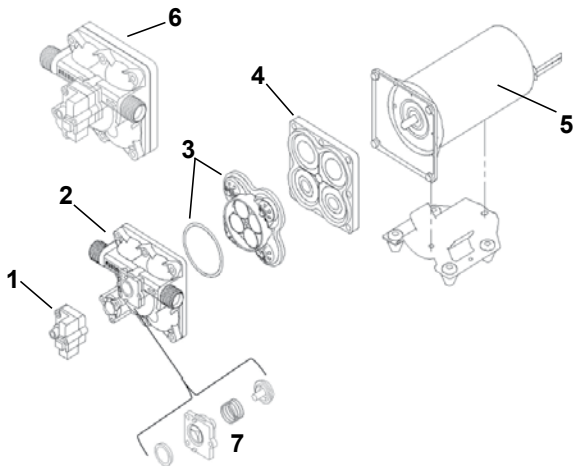
SERVICE KITS

Kits are readily available to repair standard 5059 series pumps. Repair kits include simple illustrated instructions allowing easy installation.

To ensure that the correct kit is received,

the model number and all name plate data must be included with the order. Contact

a Hypro/SHURflo distributor or Hypro/SHURflo directly to order the necessary repair kit.



1	Switch only
2	Upper Housing with Switch
3	Valve Assembly
4	Drive Assembly
5	Motor
6	Switch / Check valve and Upper Housing Kit (Replaces all previous switch designs)
7	Check Valve

Spotmate 50 Components



Pos	Part No	Description	QTY
1	HB050-90 (not shown)	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo	2
2	HB075-050	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo	1
3	CP50786-PP-406	Hose barb, Female thread suit 50800 lance inlet x 3/8 hose, Teejet	1
4	HB050/038-90	Hose barb, Elbow, 90 degree, 1/2" male thread x 3/8" hose, Banjo	1
5	GA5000469	Hose clamp, 1/2, SS, 12-20/9W3	6
6	HOS12WSIGHT	Hose, 12mm, Clear, Wire reinforced	0.25
7	HOS13P	Hose, Pressure, 12mm, Black, 250psi	0.1
8	HOS10P	Hose, Pressure, 10mm, Black 250 psi	5
9	GA5066535	Pump, PathwayElectric 12V, 6.5L/min	1
10	GA5008745	Filter, Inline, 1/2" hose barbs	1
11	354010	Small Lid c/w Breather to suit 50lt ATV	1
12	50800-15-PP-460	Triggerjet, Spray lance, 15 extension, Polypropylene, 3/8 hose barb inlet, Teejet	1
13	GA5018371	Tank, 50 Litre, ATV (Purchased)	1
14	GA5009277	Fuse holder, Glass fuse, Panel mount, Fuse not included	1
15	GA5009283	Fuse 10 amp	1
16	GA5022255	Electrical harness, 17 AWG wire in line fuse & alligator clips, Suit 12 volt sprayers	1
17	GA5050005	Hose reel-t/s atv tanks	1

Spotmate 100 Components



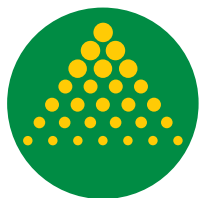
Pos	Part No	Description	QTY
1	HB075-050	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo	1
2	GA5000469	Hose clamp, 1/2, SS, 12-20/9W3	6
3	HOS13P	Hose, Pressure, 12mm, Black, 250ps	.1
4	HOS12WSIGHT	Hose, 12mm, Clear, Wire reinforced	.2
5	HOS10P	Hose, Pressure, 10mm, Black 250 psi	5
6	GA5066535	Pump, PathwayElectric 12V, 6.5L/min	1
7	GA5008745	Filter, Inline, 1/2" hose barbs	1
8	300110	Filter screen, Basket type, Diameter 203 x 120 deep	1
9	3522221	Lid, Tank, 255 diameter, With breather	1
10	50800-15-PP-460	Triggerjet, Spray lance, 15 extension, Polypropylene, 3/8 hose barb inlet, Teejet	1
11	GA4901074	Tank, 100 Litre, Skid base	1
12	GA5009277	Fuse holder, Glass fuse, Panel mount	1
13	GA5009283	Fuse 10 amp	1
14	GA5022255	Electrical harness, 17 AWG wire in line fuse & alligator clips	1
15	HB038-90	Hose barb, Straight, 3/8 male thread x 3/8 hose, Banjo	1
16	EL3812	Hose barb, Elbow, 90 degree, 3/8 male thread x 1/2 hose	1

Traymate 200 Components



Pos	Part No	Description	QTY
1	HB050-90	Hose barb, Elbow, 90 degree, 1/2 male thread x 1/2 hose, Banjo	2
2	T12T	Tee, Threaded, 1/2" male x 1/2" hose	1
3	GA5000681	Valve, Ball, 13mm hose barb inlet & outlet	1
4	HB075-050	Hose barb, Straight, 3/4 male thread x 1/2 hose, Banjo	1
5	GA5018772	Hose mender, Standard, Suit 1/2 to 3/8 plastic	1
6	HB025/050-90	Hose barb, Elbow, 90 degree, 1/4 male thread x 1/2 hose, Banjo	2
7	GA5000469	Hose clamp, 1/2, SS, 12-20/9W3	14
8	GA5007231	Hose clamp, Cobra type, 1/2	2
9	HOS13P	Hose, Pressure, 12mm, Black, 250psi	1.1
10	HOS10P	Hose, Pressure, 10mm, Black 250 psi	5
11	HOS12WSIGHT	Hose, 12mm, Clear, Wire reinforced	0.3
12	GA5050170	Strap, Tank, 25 wide, Black, Pathway	2
13	F70136A	Bracket, tank strap, 25mm, SS	4
14	HOS12SIGHT	Hose, Clear, 12mm, Sight tube	0.5

Pos	Part No	Description	QTY
15	GA5023400	Pump, 12 Volt , 6.8lt/min Max 100 psi, SHURflo	1
16	GA5008745	Filter, Inline, 1/2" hose barbs	1
17	GA4901089	Tank, 200 Litre, XL Tube	1
18	300110	Filter screen, Basket type, Diameter 203 x 120 deep	1
19	3522221	Lid, Tank, 255 diameter, With breather	1
20	GA5012667	Switch, Toggle, On / Off, Single pole single throw	1
21	GA5009277	Fuse holder, Glass fuse, Panel mount	1
22	GA5005785	Battery Clip 10 Amp (pair)	1
23	GA5003039	Electrical wire, 3mm, Twin core, Double insulated, Black outer , Red & black inner	5
24	GA5018788	6mm quick connect female red	4
25	TM100-002MACH	Frame support rod for 100L XL traymate	4
26	GA4532825	Traymate End Plate 200L XL - LH	1
27	GA4532826	Traymate End Plate 200L XL - RH	1
28	GA4900546	Gunjet, AA30, adjustable nozzle, with fittings	1
29	GA5018307	Valve, Ball, 12mm female thread inlet / outlet, SS, Butterfly handle	1
30	HB075/050-90	Hose barb, Elbow, 90 degree, 3/4 male thread x 1/2 hose, Banjo	1
31	GA5012985	Pinchweld, Black Plain 8mm wide x 14mm	2
32	GA5009283	Fuse 10 amp	1
33	HB050	Hose barb, Straight, 1/2 male thread x 1/2 hose, Banjo	1
34	GA5012049	Narva Joiner RED 2.5-3mm Wire - 56154	2
35	GA5062670	Sticker PW Important Operators Manual decal	1
36	GA5064185	Sticker Goldacres small	1
37	GA5062281	Sticker warning	1



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