

IMPORTANT MAINTENANCE ADVICE: Over a period of time herbicides and insecticides can leave a build up of residue which normal cleaning will not remove. This build up can collect around the seals and inside the hoses and pump. If left, this buildup will eventually prevent the sprayer from working. To overcome this problem we recommend that the sprayer bottle be half filled with hot (not boiling) water from your domestic hot water supply. Pressurise by pumping approx. 10 times. Press the trigger to “on” (open) position and leave for a few minutes. The hot water should dissolve the built up residue and the sprayer will continue to operate normally.

SAFETY: Do not leave the sprayer unattended during this operation.

IMPORTANT: If for some reason your sprayer needs to be returned for warranty purposes PLEASE wash it out thoroughly to protect our service technicians from exposure to unknown substances.

Hills Guarantee

Hills Industries Limited undertake that if any part of its manufacture has failed to operate correctly due to faulty workmanship or defective materials, it will repair or replace the part free of cost for a period of twelve (12) months from the date of purchase of the article, given fair wear and tear. Evidence of unfair usage or incorrect adjustment by the owner will void this promise.

Hills Industries Limited will not be responsible for any costs in connection with freight or postage, or for the expenditure to dismantle the article, replace the part in position and re-assemble the article.

This guarantee is in addition to any rights or remedies conferred on the consumer by the Trade Practices Act or state laws.

This product is designed to perform a specific task under established tests and unauthorised attachments may produce stresses for which the design is not appropriate. The use of any addition or attachment with this product will void the warranty, unless the addition or attachment has Hills’ specific approval or is sold as a Hills product.

As a proudly Australian company, we are committed to provide you complete customer satisfaction. If you have questions about this product, or find there are damaged or missing parts. **PLEASE CALL** Hills direct on **1300 300 819** (cost of a local call) for assistance during normal business hours. Hills can also be contacted via email. Please visit **www.hills.com.au**

Design, specifications and colours depicted are subject to change without notice.

Hills Industries Limited

A.B.N. 35 007 573 417

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PACKING AND SERVICE

IMPORTANT: Please retain this instruction sheet for spare parts identification. Under normal use and conditions, the Sprayer Bottle has a maximum life of five (5) years after purchase date. Record the following information from the carton for future reference.

Product Number: BH

Record date of purchase:

Name and location of store:



Knapsack Sprayer

12 & 16 Litre

INSTRUCTION SHEET

THIS SPRAYER IS DESIGNED FOR DOMESTIC USE ONLY WITH WATER BASED GARDEN CHEMICALS. NOT TO BE USED FOR ANY OTHER PURPOSE. TO BE USED BY ADULTS ONLY.

IMPORTANT: UNDER NORMAL USE AND CONDITIONS THE SPRAYER BOTTLE HAS A MAXIMUM LIFE OF FIVE (5) YEARS AFTER PURCHASE DATE. PURCHASE DATE SHOULD BE RECORDED ON INSTRUCTION SHEET.

SAFETY INSTRUCTIONS

CAUTION: CONTENTS UNDER PRESSURE. READ THIS BEFORE OPERATING.

- Release pressure from bottle before refilling or replacing parts. This is done by releasing as much air as possible through the lance and nozzle assembly before unscrewing the Container Cap **A** a quarter of a turn and waiting until remaining air is expelled.
- Inspect the condition of all fittings before each use. Replace any worn or damaged parts. Do not attempt to use with damaged or suspect parts.
- The sprayer is made from different types of plastic material, and although the liquid you may wish to use is packed in a plastic container, it is not guaranteed that it will not damage the sprayer. The sprayer is designed to be used with a broad range of domestic water based pesticides, herbicides, and fertilisers. The use of heavy duty industrial strength chemicals may be detrimental to the safe operation of the sprayer.

DO	DO NOT
✓ RELEASE PRESSURE BEFORE FILLING / SERVICING.	✗ SPRAY FLAMMABLE LIQUIDS OR SOLVENTS.
✓ RELEASE PRESSURE AND CLEAN AFTER USE.	✗ EAT, DRINK OR SMOKE WHEN SPRAYING.
✓ WEAR SAFETY GOGGLES.	✗ DIRECT SPRAY ON HUMANS OR ANIMALS.
✓ WEAR PROTECTIVE CLOTHING AND A MASK.	✗ SPRAY IN WINDY CONDITIONS.
✓ SPRAY WATER SOLUBLE CHEMICALS ONLY.	✗ SPRAY IN CONFINED SPACES.
✓ ENSURE ADEQUATE VENTILATION.	✗ LEAVE WITHIN REACH OF CHILDREN.
✓ WASH HANDS & FACE AFTER USE.	✗ OVER FILL THE BOTTLE.
✓ STORE AWAY FROM SUNLIGHT.	✗ STAND SPRAYER NEAR NAKED FLAME OR HOT SURFACES.
✓ HAND TIGHTEN SCREW FITTINGS ONLY.	✗ TIGHTEN FITTINGS WITH PLIERS ETC.
✓ RINSE INSIDE OF BOTTLE BEFORE USE.	✗ ALLOW CHILDREN TO USE AS A TOY.
✓ MAINTAIN AND SERVICE REGULARLY.	✗ MODIFY ANY COMPONENT IN ANY WAY.
✓ READ AND UNDERSTAND CHEMICAL MANUFACTURERS' SAFETY DIRECTIONS.	✗ LEAVE BOTTLE UNATTENDED, PARTICULARLY IF CHEMICALS ARE CONTAINED

IMPORTANT: RINSE THE INSIDE OF THE BOTTLE WITH COLD WATER BEFORE USE. BEFORE USING ANY CHEMICALS INCLUDING HERBICIDES, PESTICIDES, INSECTICIDES AND WEED KILLERS, ETC., IT IS ADVISABLE TO FAMILIARISE YOURSELF WITH THE SPRAYER OPERATION BY FILLING IT WITH WATER AND TESTING THE VARIOUS SPRAY PATTERNS. THICK MIXTURES CAN CLOG THE SPRAY NOZZLE. SOLUTIONS OF THIS KIND SHOULD BE STRAINED AND DILUTED TO PREVENT BLOCKAGES. WASH THE BOTTLE, ALL ATTACHMENTS AND YOUR HANDS THOROUGHLY AFTER EACH USE.

OPERATING INSTRUCTIONS:

- Refer to diagram for assembly guidance.
- Left or right-handed operation can be achieved by changing the pump mechanism from position **LEFT** to position **RIGHT**.
- Unscrew Container Cap **A** and fill liquid to the required level. Ensure that filter is sitting inside bottle as shown on diagram. DO NOT exceed the 12L mark on the 12L Knapsack Sprayer or the 16L mark on the 16L Knapsack Sprayer.
- Replace Container Cap **A** and tighten firmly by hand. Make sure that the other Container Cap is also tight to prevent air escaping during use.
- Firmly screw Lance Assembly **D** to the Handle Assembly **C**.
- Adjust straps for comfort.
- Pump Handle **B** and start spraying by pressing the on/off trigger on Handle Assembly **C**. The Handle Assembly is equipped with a lock for continuous spraying. Press trigger and slide it forward until locked. To unlock, slide the trigger back and release it.
- Adjust nozzles for required spray pattern. To use only single nozzle, replace any of the two outside nozzles with the centre nozzle.
- FINISHING: Release as much air as possible through the lance and nozzle assembly before slowly unscrewing the Container Cap **A** a quarter of a turn and waiting until remaining air is expelled.
- After you have ensured the sprayer contains no pressure, remove the Container Cap **A** and empty any liquid left inside the bottle. Refill the bottle with clean tap water to approximately 2 litres, pressurise the sprayer and allow it to empty.
- STORAGE: Make sure that the sprayer is not pressurised and contains no liquid. Do not store in direct sunlight and store out of reach of children. Refer to detailed Safety Instructions on front page.

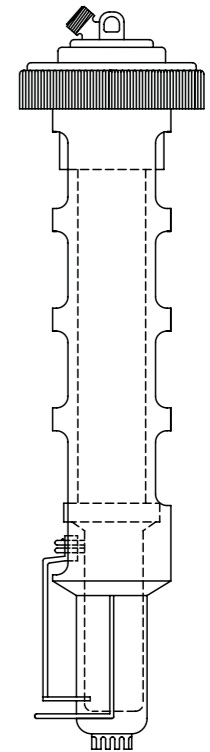
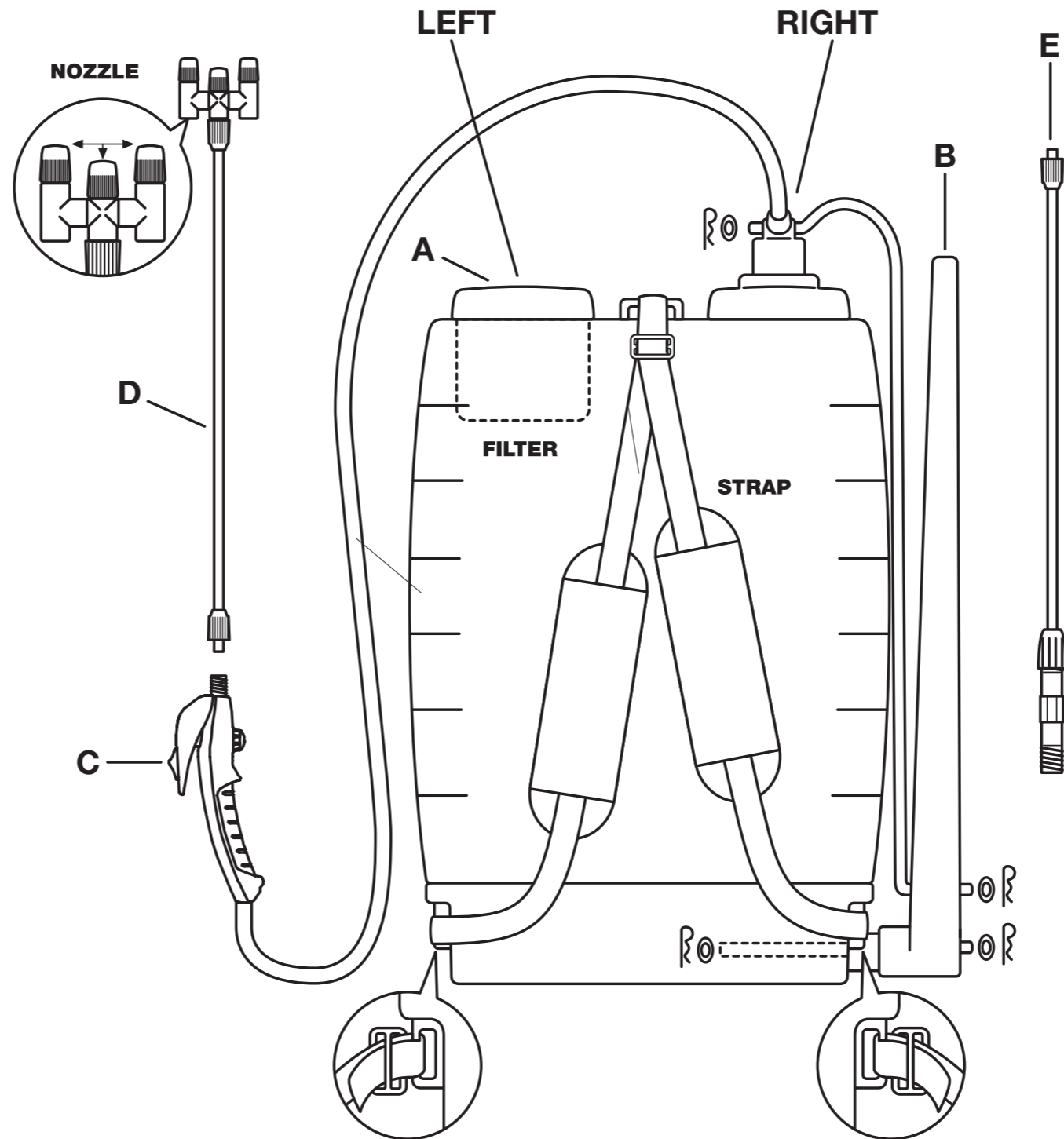
IMPORTANT:

- **ENSURE ALL CAPS ARE SECURELY AND FIRMLY TIGHTENED. AFTER TIGHTENING, CHECK THAT HOSE AND LANCES DO NOT SLIP OUT.**

SPARE PARTS LIST

I.D.DESCRPTION	PART No.
D Long Bent Lance (with single nozzle)	BH220391
E Extension Lance Assembly	BH220377
Strap with Shoulder Pads	BH220537
Filter and Filter Cap	BH220599
Internal Pump and Pump Cap	BH220605
Twin Nozzle	BH220551
Trigger, Handle and Hose	BH220568
Complete Service Kit	BH220576

Spare parts subject to availability.



PLEASE NOTE:
THE DIAGRAM ABOVE DEPICTS THE
INTERNAL PUMP ASSEMBLY FOR
REFERENCE PURPOSES ONLY.