



FAI SPRAY16HD

Professional Knapsack Sprayer

16 Litres



Fitted with Viton™ seals to allow the spraying of both water based and most solvent based chemicals.

Please read these instructions carefully and retain for future reference.

Introduction

The FAISPRAY16HD Professional Sprayer is fitted with VITON™ seals which are resistant to most acids and solvents, enabling this sprayer to be used with more aggressive chemicals widely used in automotive and professional cleaning and some agricultural applications.

It is always advisable where possible to use water-based product as these are less damaging to the environment.

Use of aggressive chemicals will inevitably shorten the working life of these seals.

General Safety Rules

- When using garden pesticides, herbicides, insecticides, fungicides or any other form of garden chemical always obey the manufacturer's instructions fully.
- Do not use petroleum based products in this sprayer.
- Do not spray toxic or harmful liquids on persons, animals or foodstuffs.
- For certain weed killers and pesticides, trace elements may always remain. Consult the product manufacturer's instructions, but in such cases, it is recommended that once such products are introduced, then the sprayer should only be used for that specific application thereafter.
- Consult the products manufacturer's instructions about safe and lawful disposal of excess product when emptying unused product from the tank and during the cleaning process. (Many products cannot be disposed of in drains and sewers).
- Strain any mixtures that contain sediments before introducing product to the tank. Strain through a fine sieve or cloth.
- Wear the appropriate protective equipment coverall, gloves, goggles and suitable respiratory mask. For details of a complete range of protective equipment, visit the SCAN Safety Website at www.scan-safety.com
- Avoid contact with the skin and eyes, do not eat, drink or smoke when using the sprayer.
- Wash hands and face after use.
- Do not leave the sprayer within the reach of children.
- Keep bystanders away whilst using the sprayer.
- Always direct the spray downwind as spraying into the wind will result in operator contamination.
- Do not leave the sprayer exposed to heat sources or intense cold.
- Release pressure after each use, even if you are going to recommence spraying in a few minutes.
- Ensure pressure is released before attempting to remove the pump assembly mechanism.
- Do not pressurize by any means other than pumping.

Specifications



Working capacity:	16 Litres
Working pressure:	1.5-4.5 bar
Net weight:	2.850kg
Area coverage:	100M ² - 400M ²



**ALWAYS WEAR
SUITABLE PROTECTION**

Parts Identification



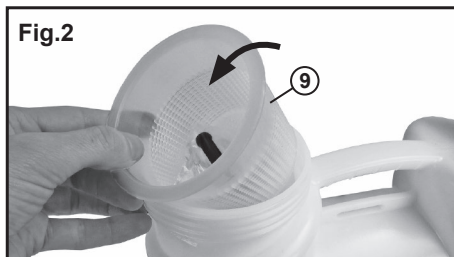
1. Nozzle
2. Pump lever arm
3. Connector arm
4. Trigger assembly
5. Lance
6. Pump piston
7. Hose
8. Filler cap
9. Integral filter
10. Tank
11. Shoulder straps
12. Split pins
13. Strap lock
14. Washers

Assembly Instructions

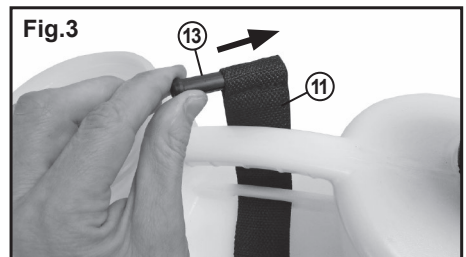
The sprayer can be assembled for right or left hand use, depending on which way the shoulder harness is fitted, see figure 4. For right hand users the pump lever should be on the left-hand side and on the right-hand side for left hand users.



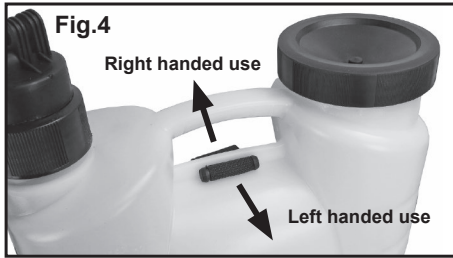
Unscrew the Filler Cap (8).



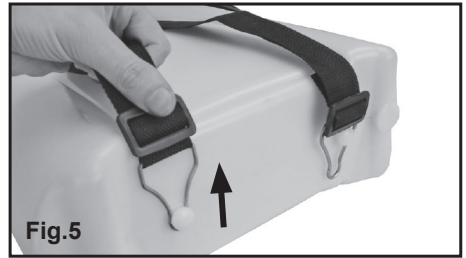
Remove the Internal Filter (9) to access the small parts stored inside.



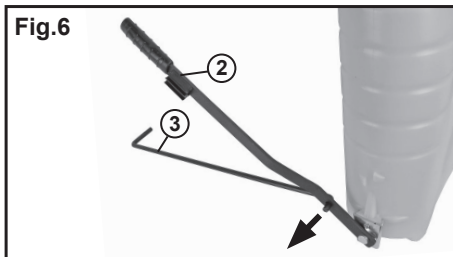
Insert the Strap (11) through slot under handle and push the Strap Lock (13) into strap loop.



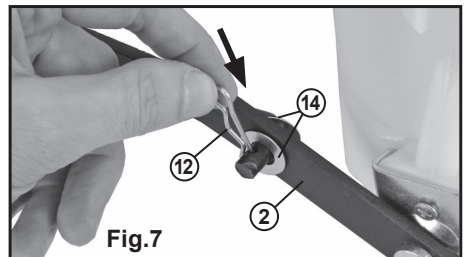
Pull back the strap until the strap lock prevents the carrying strap from sliding out.



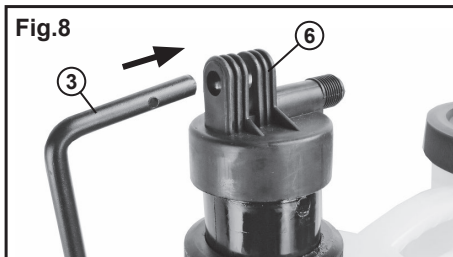
Pull the metal buckles onto the lugs on the bottom of the tank until they click into place.



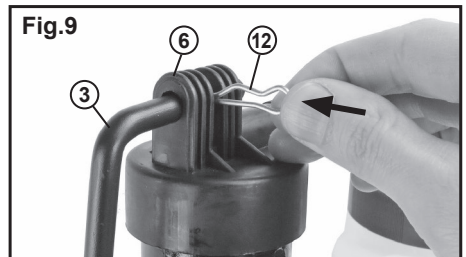
Thread washer onto the short end of the Connector arm (3) & insert into Pump lever arm (2).



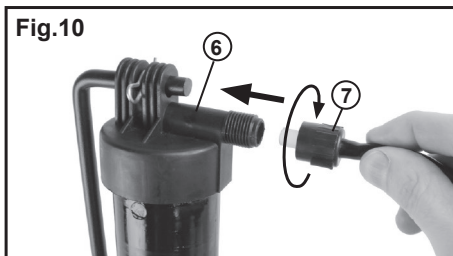
Thread another washer (14) onto the arm and secure with a Split pin (12).



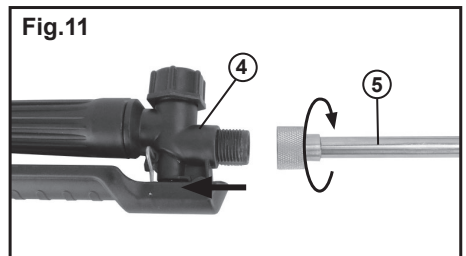
Insert the other end of the Connector arm (3) into the Pump piston (6).



Insert a Split pin (12) through the middle of the Pump piston (6) into the connector arm (3).



Screw the hose connector (7) clockwise onto the Pump piston (6).



Screw the Lance (5) onto the Trigger assembly (4).

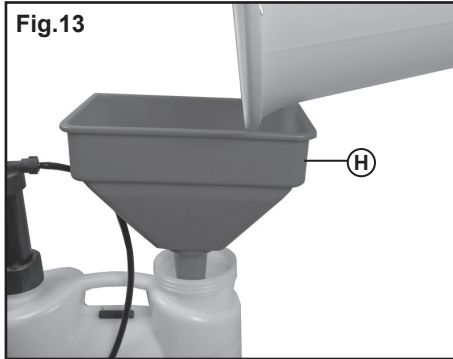
Operating Instructions



Filling the spray bottle (Fig.12)

Before filling always check that the sprayer's shoulder straps are correctly fitted and adjusted so that the sprayer sits comfortably on your back.

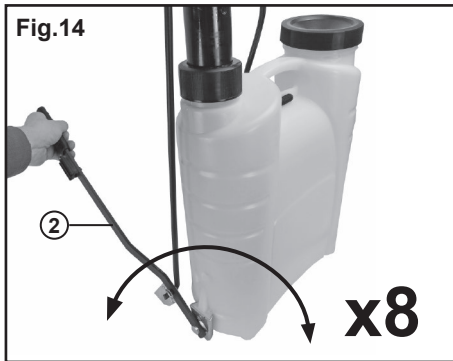
Unscrew the large filler opening cap (8) but do not remove the internal plastic filter (9).



Fill the sprayer to the desired level ensuring you do not exceed the maximum fill mark. (Fig.13)

Note: the additional use of a large funnel (H) may be advisable, especially when using potentially hazardous liquids.

Replace the cap and screw down firmly.



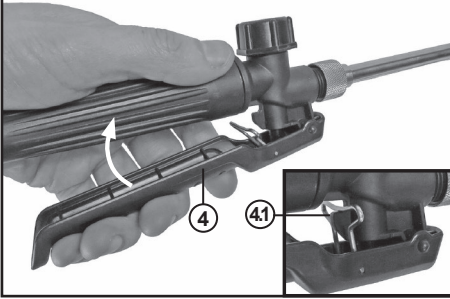
Pressurisation (Fig.14)

Operate the pump lever handle (2) 8 - 10 times to draw liquid into the pump pressure chamber and to provide the required working pressure.



Safety pressure valve (Fig.15)

Fig.16

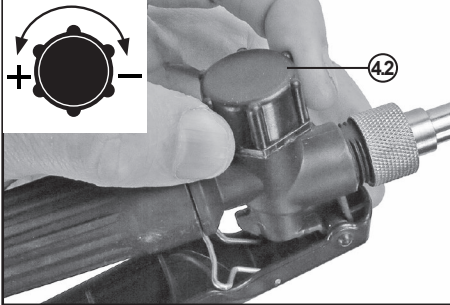


Spray operation (Fig.16)

The sprayer is operated by depressing the trigger (4).

For continuous spraying, pull the metal locking catch (4.1) forward and locate onto the plastic lug, locking the trigger in the open position.

Fig.17

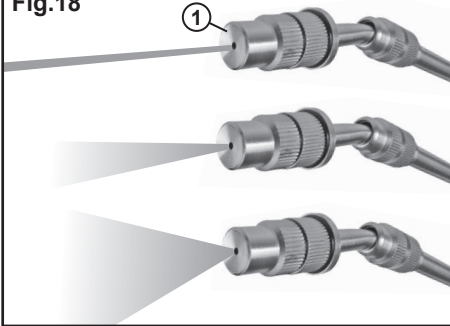


Flow rate (Fig.17)

The force of the spray can be regulated using the flow adjustment dial (4.2) located on the trigger assembly.

Turn the dial anti-clockwise for increased flow rate and clockwise to decrease the flow rate.

Fig.18



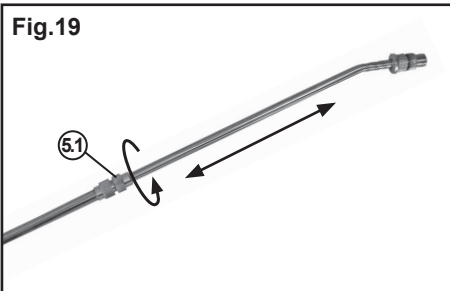
Variable spray pattern (Fig.18)

The spray pattern can be varied from a fine jet through to a wide fan by rotating the nozzle (1).

Note: Do not undo the nozzle too far as this will cause liquid to leak from the rear.

Note: If the nozzle continues to drip after the trigger handle has been shut off, there is probably air in the discharge system (nozzle, handle, tap and hose). Purge the system by turning the nozzle to jet and operating the trigger on and off in short bursts, until the liquid shuts off cleanly. Collect any liquid in a separate container to use later.

Fig.19



Telescopic lance (Fig.19)

Unscrew nut (5.1), pull lance out to desired length from 520 to 1150mm and retighten nut.

Looking After Your Sprayer

Blocked Nozzles

If a nozzle becomes blocked or fails to spray the correct pattern, unscrew the nozzle tip and clean the components under running water or a water jet. Do not use a metallic instrument to unblock a nozzle as this may alter the nozzle aperture making the nozzle ineffective.

Cleaning

Add a little detergent and some warm water (not hot) to the sprayer and spray through the system. Repeat the above operation with clean cold water. Finally check that the nozzle is free from any residue. Your sprayer will now be perfectly clean and ready for its next use. Always dispose of any unused garden chemicals safely and in accordance with the manufactures instructions.

After Use

Always release the pressure from the pump cylinder before storage. Hold or lock the sprayers trigger in the on position until the pressure in the pump has been released.

Storage

Store the sprayer under cover and avoid freezing temperatures. For winter storage ensure that all fluid is removed from the tank, hose and lance before storing. Do not store in direct sunlight, in a greenhouse or any areas where extremes of heat may occur.

Troubleshooting

Fault	Problem	Solution
Weak or no spray.	Non-pressuration.	Check and tighten connections, if necessary.
	Loss of pressure	Check gaskets are lubricated and show no signs of wear - replace if necessary.
	Obstruction.	Check for possible blockage in nozzle, trigger or outlet hose.
Distorted spray.	Obstruction.	Check for possible debris partially obstructing nozzle.
Leakage.	Possible sediment accumulation on sealing surfaces.	Check sealing rings are free from debris and sediment - clean or replace if necessary.



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