

HAND-OPERATED



■ Safety and comfort

Supreme for larger areas

Lever operated sprayers BP20 & BP15

The 20 and 15 litre HARDI Backpack sprayers feature a leak proof tank design with piston pump for easy cleaning and maintenance.

With pressure up to 3 bar, they are ideal for insecticides, fungicides and herbicides. The supplied Controlled Fluid Valve is used for spraying herbicides. It only sprays at 1 bar, thus ensuring correct pressure for the herbicide nozzles.

The tank is not pressurized. Spraying is controlled from the trigger valve. The sprayers comprise of few parts with no special tools needed for maintenance. A graduated 250 ml measuring jug is standard.

HARDI Backpack sprayer features

1. Herbicide and insecticide/fungicide nozzles supplied.
2. CF Valve supplied for accurate 1 bar herbicide spraying.
3. Lance holder for tidy storage.
4. Carry grip to easy handling.
5. Spring-loaded, ON/OFF valve fitted to a lightweight 50 cm lance.
6. Fine mesh trigger valve filter to minimize nozzle blockage.
7. Reusable hose clips.
8. Reinforced, 124 cm synthetic hose with 60 bar burst pressure.
9. Quick filling and tank access possible with large 12,4 cm opening.
10. Angled, sided-located opening for complete emptying of the tank.
11. Transparent, polypropylene tank with moulded indicator for accuracy.
12. High capacity basket strainer to reduce pump wear.
13. Left or right-handed operation of the pump lever.
14. Ergonomically designed tank for working comfort and less back strain.
15. Two comfortable 6 x 20 cm non-absorbent shoulder pads.
16. Easy to adjust shoulder harness.
17. Waist belt with snap buckle to prevent side movement.
18. Storage compartment for nozzles etc.

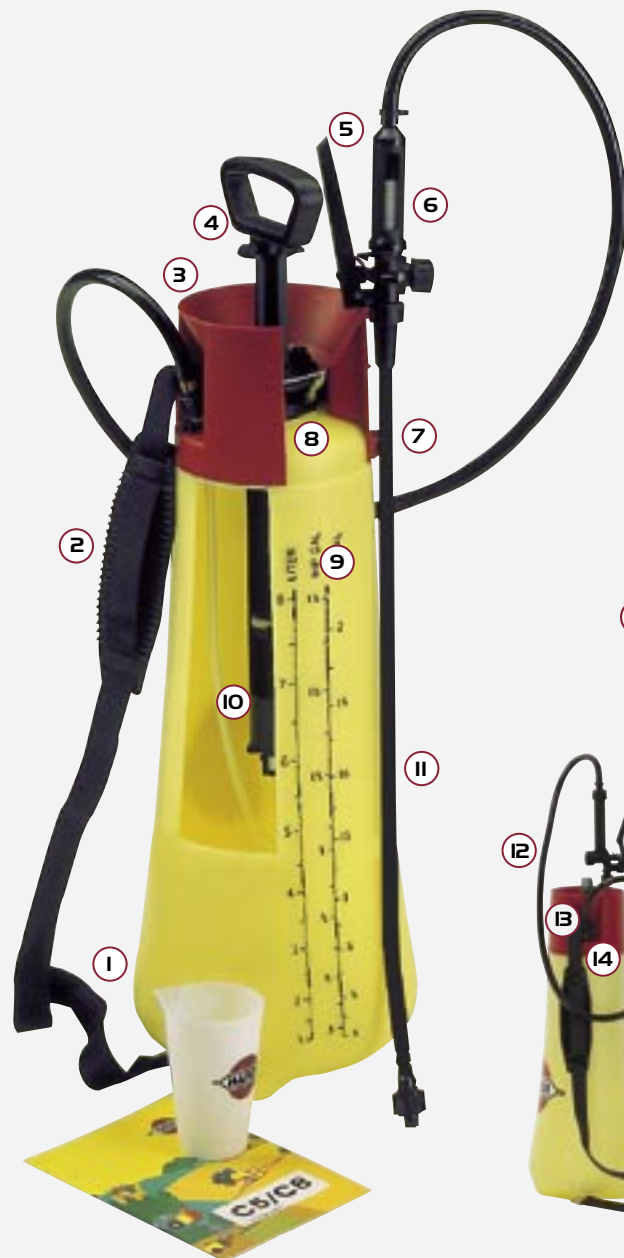


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Ideal under difficult conditions

Compression sprayers C-8, C-5 & C-1.5



HARDI C-8 and C-5 Compression sprayers are compact, easy to use and built for professional pesticide application. Capacity is 8 or 5 litre. The pump assembly is removed to fill the tank. To spray, the pump is used to pressurize the tank. Spraying is controlled from the trigger valve. A graduated 250 ml measuring jug is standard. Pre-packed service kits are available and the components tolerate most mineral-based products.

HARDI C-1.5 Compression sprayer is a handy 1.5 litre general-purpose household sprayer. To fill, the pump assembly is unscrewed from the tank. To spray, the pump is used to pressurise the tank. Over-pressurizing the tank is not possible.

Spraying is controlled from the quick acting trigger valve. The spray pattern can be adjusted from 45° cone spray to solid stream. Maximum spray reach is 5 m. Spray quality is from a fine mist to coarse drops.

HARDI Compression sprayer features

1. A wide base for stability on uneven ground.
2. A carry strap, with a 6 by 20 cm pad; does not absorb pesticide.
3. Quick to fill with a 14 cm funnel incorporated in the neck.
4. Two carry methods as pump handle doubles as a carry handle.
5. Spring-loaded, quick acting ON/OFF valve with filter in the handle.
6. Fine mesh trigger valve filter to minimize nozzle blockage.
7. A holder for the lance for tidy storage.
8. All holes are at the top. Leakage from below the filling hole is impossible.
9. Transparent, polyethylene tank with moulded indicator for accuracy.
10. The pump barrel is easily dismantled for service.
11. Strong, lightweight 37 cm lance.
12. Reinforced, 124 cm synthetic hose with 60 bar burst pressure.
13. A relief valve to reduce pressure before the pump removal.
14. A safety valve to prevent over-pressurization (4 bar maximum).





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The background

HARDI hand operated sprayers



HARDI sprayers and accessories for plant protection and pest control have the following features:

- A high safety standard achieved through sprayer design.
- A very good comfort standard for the user.
- Long sprayer life through the use of robust materials.
- A wide range of professional accessories and nozzles.
- Quality pictorial user instructions including nozzle choice.
- International test and CE certification.
- World-wide HARDI backup and service.

Safety designed into HARDI sprayers

Tanks are leak-proof, as leakage from below the filling hole is not possible.

Surfaces curve to minimize external pesticide retention. Deep basket filter on the backpacks for quick, no-splash filling.

Open sprayer skirt design prevents pesticide residue accumulation.

Tank base is shaped for minimal internal tank residues. Synthetic straps and pads do not absorb pesticide.

Trigger valve has a lock to prevent accidental spraying.

Measuring jug is supplied for correct dosage of pesticide (not C-I.5).

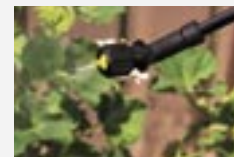
High user comfort value

The tall and curved tank of the backpack sprayers is designed for user comfort. When spraying, the centre of gravity is well forward.

When the sprayer is on the users' back, the well designed harness is easily and quickly adjusted. A waist belt to prevent side movement is standard.

A carry grip and lance holder is designed into the tank to ease transport.

Compression sprayers can further be carried over the shoulder or with the handle.



HARDI... reliable and robust

Long life of the HARDI sprayer is accredited to the design and material choice. There are no or few external components that can be mechanically damaged. The pump for example is well protected inside the tank. All vital O-rings are of Viton.

Tank features

Impact proof, UV, chemical and corrosion resistant, synthetic materials are used for all the tanks.

The large filling hole or incorporated funnel allows for quicker filling and better access for cleaning and servicing. The silky smooth inner surface with gently rounded corners facilitates cleaning.

The content scale is moulded into the tank. No error from faded, damaged or incorrectly located stickers.

Tank transparency makes it easy to see the liquid level, important for correct dosage.

Filters and nozzles

The tank filter along with trigger valve and nozzle filters can greatly reduce excess wear and nozzle blockage.

No parts can be lost when checking the trigger valve filter.

Nozzle filters are available in 3 colour sizes.

Nozzles supplied are suitable for herbicides, insecticides and fungicides.

They can be used for high or low volume spraying and are easy to change.

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Optional extras



Lance extensions
Ideal for distant targets like tall fruit trees.
Available from 0.5 m to 2.0 m.



Telescopic lances
A more compact extension for tall targets.
Available from 0.5 m to 2.0 m.



Pressure gauge
To increase spraying precision.
0 to 4 bar range.
Dial diameter is 4 cm.



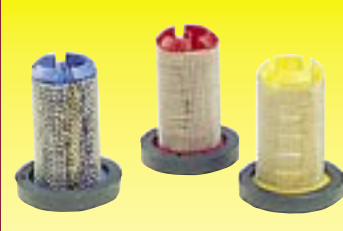
Spray shields
To avoid spray drift.
Two types are available.
A compact round shield and wide shield for spraying inter-row.



Booms
Ideal for larger areas. 2, 3 and 4 nozzle equipped with ISO F-02-110 colour coded nozzles. Output at 2 bar is 0.65 l/min.



Pre-packed service kits
Essential to ease maintenance and reduce down time.



Nozzle filters
Fitted just prior to the nozzle, 3 filters are available.
Blue = 50 mesh (coarse).
Red = 80 mesh (medium).
Yellow = 100 mesh (fine).



Adjustable nozzles
Spray angle, reach and spray quality can quickly be changed with this nozzle. 0.07 to 0.24 l/min output.



Double nozzle holder
For higher volumes of fine spray.



HARDI KALIBOTTLE
For calibration. KALIBOTTLE method for calibration is very simple, can register rates up to 400 l/ha.



Spray Test Paper
A quick and easy way to evaluate drop coverage and penetration. The drops turn the paper blue upon contact. Contains 50 pieces of paper.

Technical specifications

Model	Rated fill litre	Total fill litre	Pressure maximum bar	Pump diameter mm	Pump capacity ml	Measurements Package cm	Weight kg
BP-20	20	22	3	45	95	63 x 19 x 41	5.5
BP-15	15	16	3	45	95	63 x 17 x 39	5.2
C-8	8	10	4	34	227	62 x 23 x 25	2.6
C-5	5	7	4	34	227	51 x 21 x 23	2.2
C-1.5	1.5	1.9	3	17	-	30 x 18 x 15	0.4

Make the right choice



Compression sprayers consist of a tank, with up to 8 litre liquid capacity, pump for pressurizing the sprayer and spray lance.

They are:

- Ideal for small areas.
- Ideal for areas that are difficult to access.
- Excellent for spot spraying as you only need to concentrate on directing the nozzle.
- Ideal under difficult conditions. The user has one hand free.
- Easy to carry as they weigh less.
- In need of frequent refills.



Lever operated sprayers consist of a tank with up to 20 litre liquid capacity, pressurization chamber and spray lance.

They are:

- Ideal for inter-row spraying.
- Ideal for spraying of larger areas.
- More accurate as a constant pressure can be maintained.
- Easier to re-fill as de-pressurization is not necessary.

The HARDI concept

HARDI INTERNATIONAL A/S is an international group whose basic idea is to satisfy the users' requirements for quality products which ensure efficient, punctual and precise application of crop protection products. Our world-wide distribution and sales network comprises more than 100 countries where we are represented by importers, agents and sales subsidiaries. Latter are situated in Sweden, Norway, Denmark, the UK, France, North America, Spain and Australia.

The key word to keep a leading position on the world market of equipment for crop protection is research and development. When we develop new sprayers or components we have defined the following essential key-words: Strength, Reliability, Capacity, Economy, Operational friendliness, Service, Precision and Price. Any development is compared to these facts.

During HARDI's existence of more than 40 years we have developed several patentable inventions. HARDI will be the trend setter within application of crop protection products in the future. To maintain this position requires continued developments and innovation. Everyone at HARDI is committed to this end.

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Denmark, Nørre Alslev



Spain



France



U.S.A.



Australia

HARDI INTERNATIONAL A/S reserves the right to change the specifications without notice. Illustrations shown may include optional equipment and accessories.

