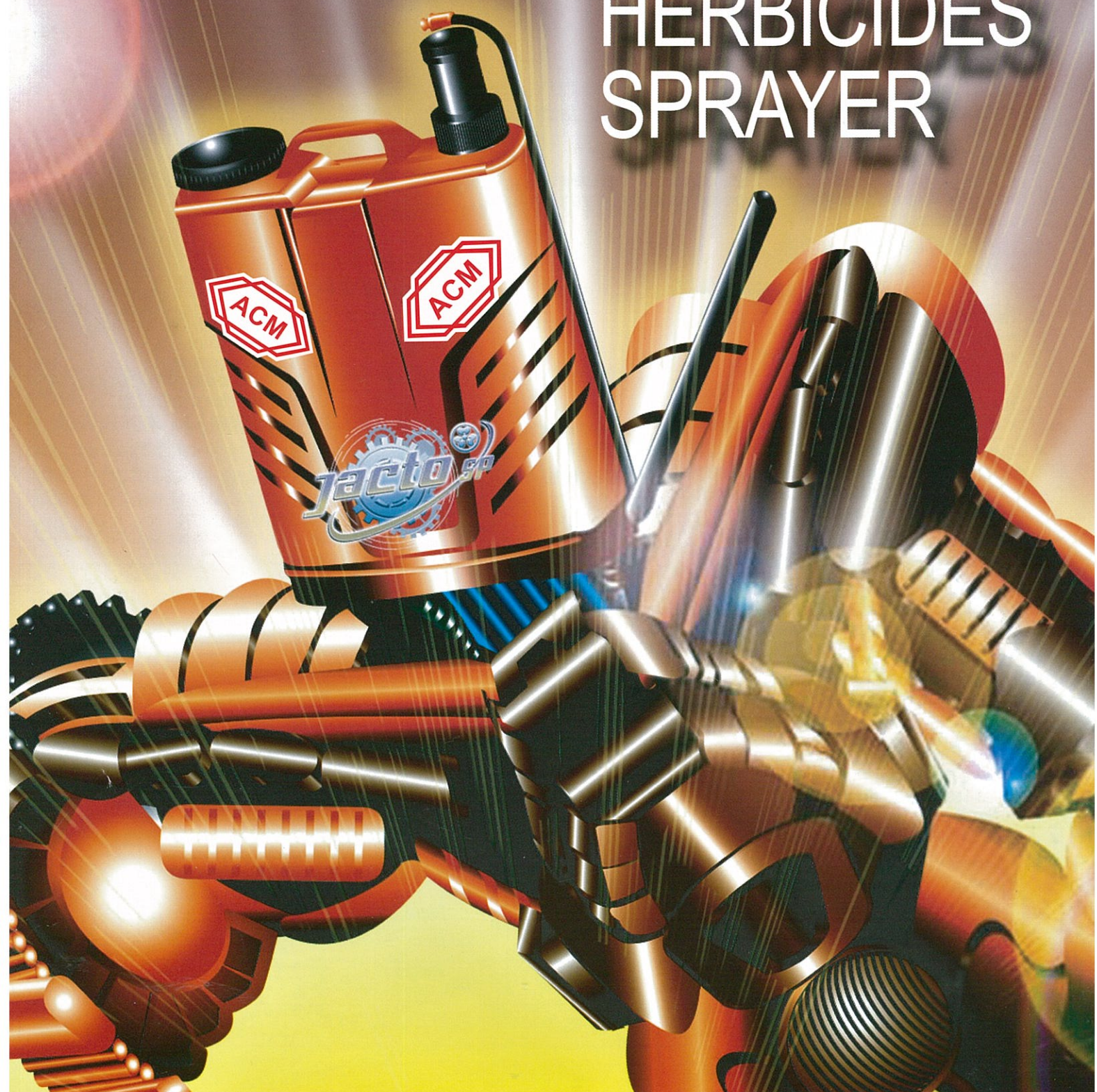




PRECISION HERBICIDES SPRAYER





Features of SP-16:

1. Multi-Purpose, Durable, Light and Portable

- Minimum service life time in laboratory is 1000 hour.
- Long operation of pump system - pressure keeping until 6 steps.
- Suitable for rice, cash crops, fruit trees, and etc.
- Only 3.4 kg.

2. 16 Litre Ergonomically Designed Tank

- Avoid deformations under hydrostatic pressure.
- Avoid fluid retention on surface.
- Handle for easy carrying and storage.
- Ergonomic shape for optimum operator comfort.
- Impact, corrosion and UV resistant, high density polyethylene.

3. Internal, High-Efficiency Piston Pump

- 650 ml piston pump made by polypropylene.
- Long-life, chemical resistant Viton® seals.
- Operates with minimum effort.
- Safety valve prevent overloading.

4. Wide Filler Opening

- Wide 100 mm filler opening facilitate cleaning and quick filling operations.
- Tank lid has one-way breather valve to prevent leaking that may contaminate the operator.

5. High Pressure Hose

- Made by PVC with nylon wires .
- 1.65 meter long with the working pressure 150 PSI.

6. Heavy-Duty Trigger Valve

- Easy to operates.
- Lock-on button for constant spraying.
- With 40 mesh in-line filter.

7. Reinforce Spray Lance

- 500 mm long for optimum operating efficiency.

8. Carrying Strap

- Simple & quickly adjustment of strap to tide & loose.
- With shoulder protectors to enhance comfort ability.
- Body sizes does not a problem.

9. Lance Holder Clips

- To secure lance for transportation and storage.

10. Pumping Lever with Hand Grip

- SAE steel with plastic handle and holder to keep the lever and lance at the upright position for easy storage and transport.

11. Flat Bottom Base

- Sits on the ground without tipping for easy filling and storage.
- Protect chemical tank from leaking after putting on the ground directly.

12. Agitation

- Hydraulic agitation constantly mixes chemicals solution.

13. Nozzles Attachment

- Stainless steel hollow cone type.
- Nozzle cap is compatible with any standard nozzle attachment.
- Fitted with nozzle filter.

14. Accessories

Ecovalve:

- provides even flow rate and spray angle.
- reduces the pumping frequency with better use of the pressure accumulated in the chamber.
- reduces drift and improves safety and quality of applications.

Calibrator bottle:

- the easiest and fastest way to calibrate a knapsack sprayer.
- cost savings and avoid damage to the environment.



Standard Color:
ORANGE

Technical Specification

Tank	: Volumes: 12, 16 and 20 l Material: polyethylene Standard colour: orange Area for customization: 100 x 55 mm Lid: 100 mm (minimum opening) Strainer: openings 1.2 x 1.2 mm (Mesh 16)
Pump	: Piston pump 35 mm piston cup Total volume: 0,65 l Material: polypropylene Relief valve: opening pressure 8-9 bar Valves: stainless steel balls
Straps	: Quick adjustable Width: 30 mm Plastic shoulder pads: width 65 mm
Lever	: Material: Steel Interchangeable: HD and PJ range
Hose	: Material: PVC with nylon wires Working pressure: 150 psi Length: 1.65 m
Lance	: Material: Polyacetal Filters: Trigger valve and nozzle (Mash 40) Lance tube: polyacetal Nozzle: JD12 -cone nozzle
Repair Parts	: Piston cup Sphere (valve)
Weight	: SP12: 3.2 kg SP16: 3.4 kg SP20: 3.6 kg

ECOVALVE

The lightest valve in the market

WEIGHS LESS THAN 20 GRAMS



WHAT IS ECOVALVE?

This is a new highly sensitive valve that enables maintenance of a constant pressure during spraying, ensuring precise, uniform application of the chemical without excess.

REQUIRES 30% LESS EFFORT

With fewer pumps, and thus less effort, the operator can maintain a constant output pressure from the valve.

QUALITY SPRAYING

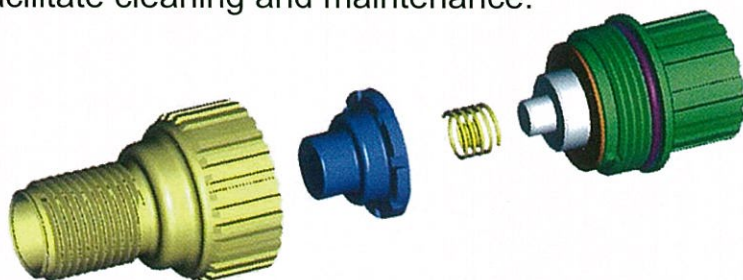
The combined pressure of each spring and its corresponding nozzle provides greater efficiency and reduced drift during application.

USES UP TO 20% LESS CHEMICAL DURING EACH APPLICATION

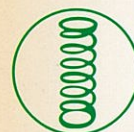
ECOVALVE assures that the ideal working pressure is maintained during each application, controlling flow rate and droplet-size and minimizing drift. If the pressure drops below the pressure indicated, the spray is cut off and the system prevents chemical leakage.

CAN BE COMPLETELY DISASSEMBLED

To facilitate cleaning and maintenance.



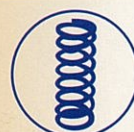
The ECOVALVE kit comprises 4 types of spring designed to work at different pressured (see chart below).



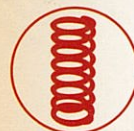
Constant Pressure
1 bar / 15 psi
(supplied)



Constant Pressure
1.5 bar / 21 psi
(supplied)

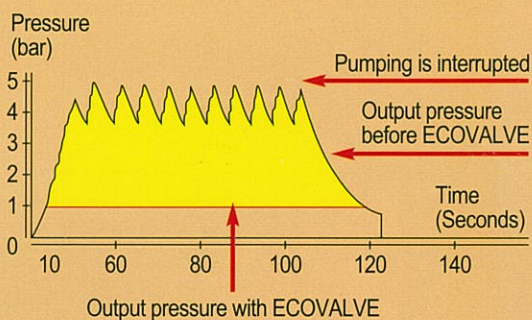


Constant Pressure
2 bar / 30 psi
(already fitted)



Constant Pressure
3 bar / 45 psi
(supplied)

The graph below shows ECOVALVE performance. Whatever the input pressure, the output pressure will always be constant.



Nozzle Spring	01	015	02	03	04	05	06	08
15 psi	0.26	0.38	0.47	0.76	0.95	1.2	1.54	1.92
22 psi	0.31	0.45	0.58	0.9	1.2	1.48	1.78	2.3
30 psi	0.37	0.51	0.68	1.05	1.4	1.75	2.01	2.69
45 psi	0.47	0.61	0.81	1.25	1.7	2.14	2.52	3.24

ECOVALVE ECONOMICAL • ECOLOGICAL



PROVIDES A CHEMICAL
SAVING OF UP TO 20%



AGRICULTURAL CHEMICALS (M) SDN. BHD.

(008938-M)

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Certified to ISO 9001 : 2008
Cert. No. : AR2021