



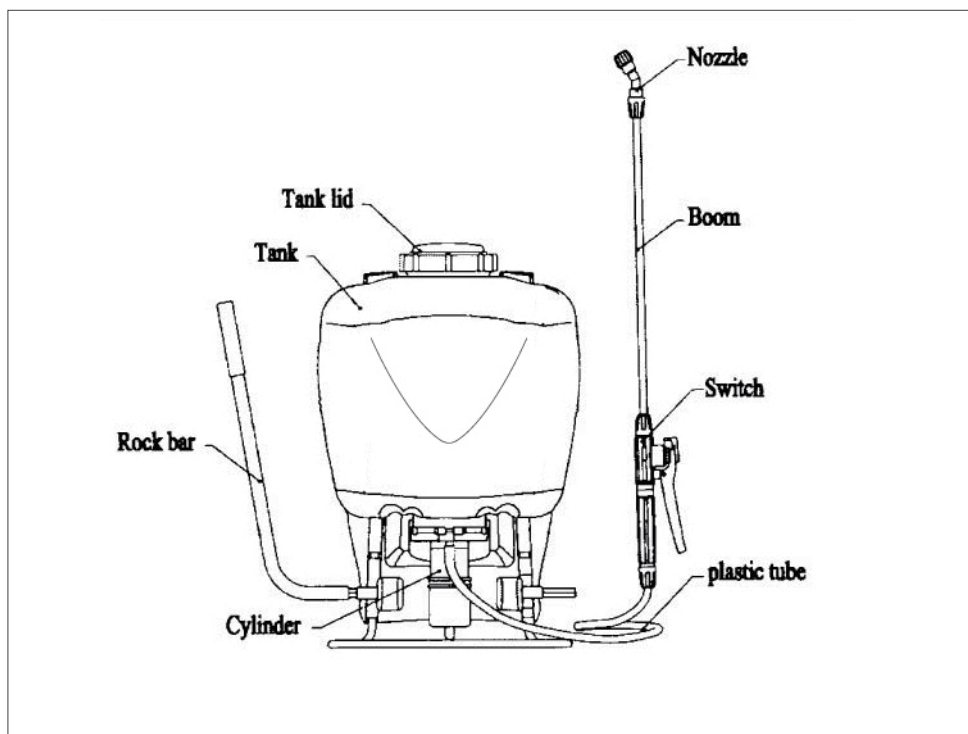
Hand-operated Knapsack Sprayer

Part No K16015

User Manual



Part Descriptions and Technical Parameters



Type:	Knapsack
Volume of Tank:	15L
Operating Pressure:	0.2~0.4Mpa
Operating Stroke:	50mm
Dia. of Leather Cup:	45mm
Net Weight of the Whole Unit:	3.25Kg
Overall Size:	355 x 210 x 520mm

Hazards

- You are required to read this Manual and follow the instructions on operation and safety for purpose of proper operation.
- The operator should wear a mask, hat, protective clothes, waterproof gloves and rubber boots.
- Storage and warehousing of pesticide. Pesticide should be kept out of reach of children. Follow the manufacturers safety instructions for the disposal of pesticide.
- In case of inhaling; move away to a well ventilated room and lie down. In case of intoxication via skin contact; rinse with water immediately. In case of ingestion; induce vomiting with clean water or salt water and seek medical advice.
- Never spray on people or animals. Never spray against the wind.
- The residual chemical should be kept in a container and disposed of carefully according to the manufacturers instructions.

WARNING:

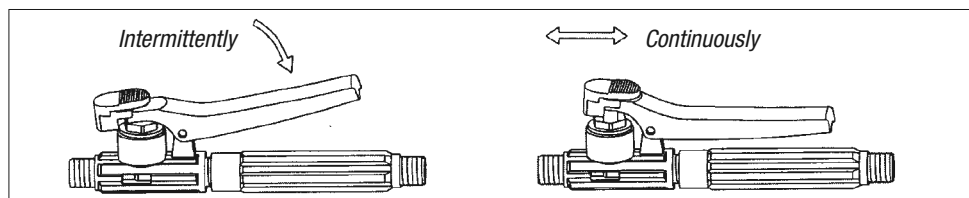
- People affected by fatigue, poor health, injury, pesticide allergy or during pregnancy should never dispense pesticides. Do not drink alcohol immediately after spraying.
- Never use strong acid, strong alkaline and other strong solutions. Never use highly toxic and persistent pesticides for pest control of vegetables and fruit trees. Do not harvest immediately after spraying.
- After use, wash the sprayer for corrosion protection and to avoid possible reaction between residual chemical and the next chemical used.
- When in use, don't leave the sprayer unattended.

PRECAUTIONS:

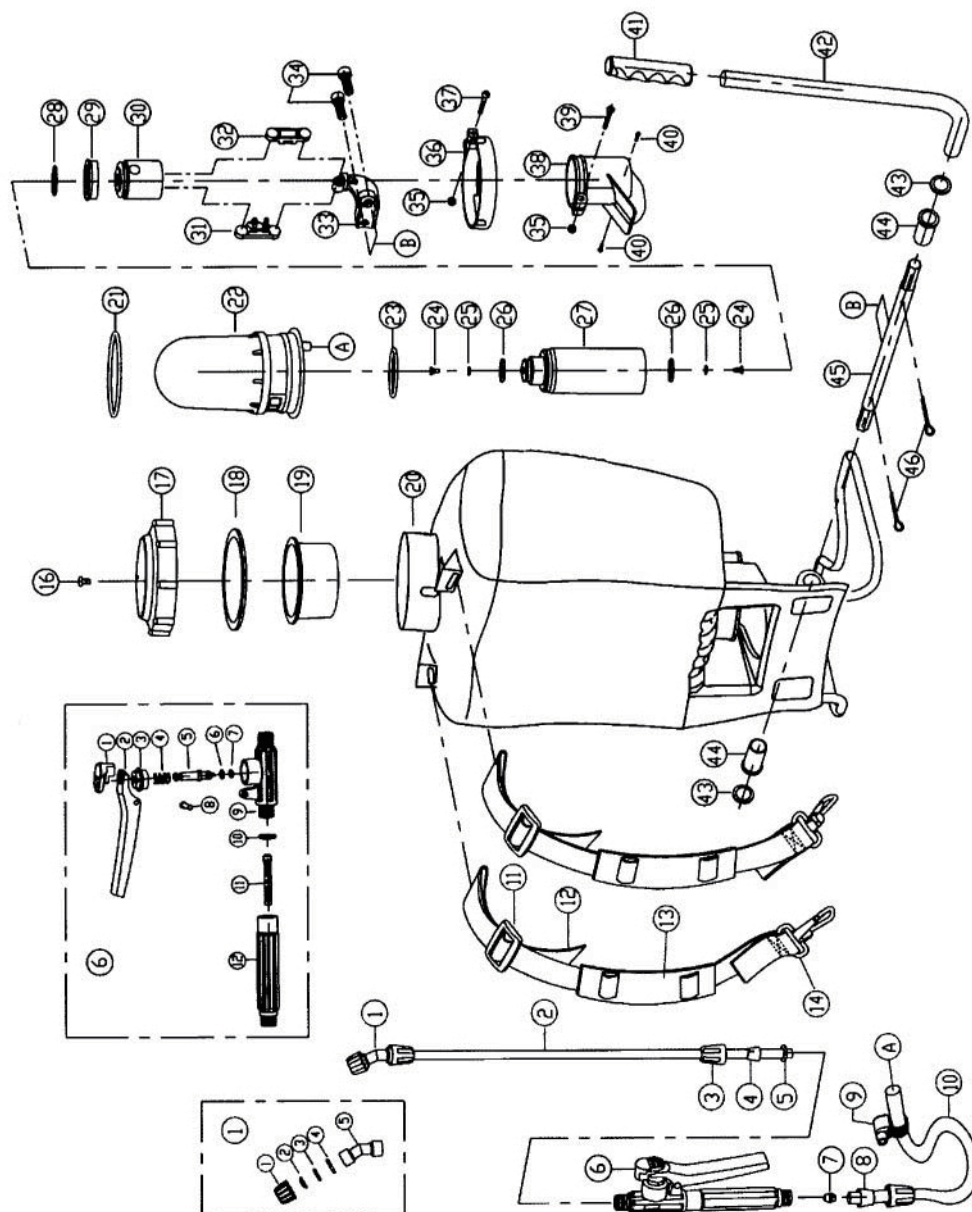
- The chemical used should not exceed 45°C.
- To check the tank, hose, spray gun, etc. trial spray with clean water. Apply little lubricant to seal ring and other moving parts to reduce resistance.
- Follow the manufacturers instruction for the preparation of pesticide. Do not alter the dilution guidelines for the chemicals.
- After use, wash clothes and exposed body parts.

Operating Instructions

Unscrew the lid of spray tank and fill with prepared mixture through the strainer carefully before replacing the tank lid. Mount the sprayer on your back and turn the rock bar to boost the gas pressure in the air chamber before holding the switch to spray. Both spot spraying and continual spraying are available.



Structural Diagram and Details



S/N	Part Description	Qty
1	Cone Nozzle	1
	Nozzle Cap	1
	Cone Sprinkle Sheet	1
	Split Sheet	1
	Seal Gasket $\phi 16 \times \phi 11 \times 2$	1
	Elbow	1
2	Spray Boom	1
3	Spray Boom Nut	3
4	Fastening Sleeve	2
5	O-ring $\phi 15 \times 3$	1
6	Switch Parts	1
	Spacing Cap	1
	Switch Handle	1
	Switch Nut	1
	Switch Spring	1
	Valve Plug	1
	Valve Plug O-ring $\phi 9.5 \times 1.9$	1
	Washer	1
	Switch Pin	1
	Switch Body	1
	O-ring $\phi 18.5 \times 2.65$	1
11	Switch Strainer	1
12	Handle Bar	1
7	Flared Sheath	1
8	Plastic Tube Sheath	1
9	Pipe Clip	1
10	Plastic Tube Assembly	1
11	Strap Fastener	2
12	Strap	2
13	Shoulder Pad	2
14	Strap Hook	2
15		
16	Inlet Valve	1

S/N	Part Description	Qty
17	Tank Lid	1
18	Tank Seal Ring	1
19	Big Strainer	1
20	Spray Tank	1
21	O-ring $\phi 50 \times 4$	1
22	Air Chamber Assembly	1
23	O-ring $\phi 29 \times 3.6$	1
24	Tap Screw 4×8	2
25	Flat Washer 4	2
26	Valve Sheet	2
27	Cylinder	1
28	Internal Compression Ring	1
29	Leather Cup	1
30	Piston	1
31	Connection Rod Circlip	1
32	Connection Rod Clamp	1
33	Rockarm	1
34	Socket Hexagon Screw $M8 \times 25$	2
35	Hex Nut M5	1
36	Air Chamber Clamp	1
37	Cross Recessed Pan Head Screw $M5 \times 25$	1
38	Cylinder Cover	1
39	Cross Recessed Pan Head Screw $M5 \times 25$	1
40	Tap Screw 3×10	2
41	Rock Bar Sleeve	1
42	Rock Bar	1
43	Flat Washer 16	2
44	Bushing	2
45	Turn Bar	1
46	Split Pin $\phi 2.5 \times 30$	1

Cleaning and Maintenance

- After use, clean and wash the sprayer.
Clean the spray gun with high-pressure injection of air till the spray is clear.
- Lubricate the spraying parts after cleaning

Storage

- The sprayer should be stored indoors, in a dry place, out of reach of children

Troubleshooting

Problems	Causes	Solutions
Leakage or poor spraying performance	Seal Rings at various joint may be loose or damaged	Tighten or replace Seal Rings
Hard to turn the Rock Bar	The strainers or the spray nozzle has been blocked. Strong resistance occurs to moving parts of Rockarm and Turn Rod	Clean the strainer and spray nozzle and apply lubricant to moving parts
Decreasing pressure	The Leather Cup or Valve may be damaged	Replace Leather Cup and Valve
No pressure to turn the Rock Bar	The Valve Sheet has come off	Re-install the Valve Sheet

Packing List

S/N	Description	Unit	Qty S/N	Remarks
1	Main Unit of Sprayer	Set	1	
2	Operating Instructions		1	
3	Seal Ring	Set	1	
4	Leather Cup	Pc(s)	1	
5	Fastening Sleeve	Pc(s)	2	
6	Inner Hex Wrench	Pc(s)	1	

