



Instruction Manual

MANTR13-1 REV C 28/03/19

**TROLLEY SPRAYER 13L
TR13-1**



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Before attempting to operate or install the sprayer carefully read and take note of the following safety warnings.

Failure to comply with these warnings may result in serious injury or death.

Warning! Prior to using the sprayer all operators must read and fully understand the contents of this instruction manual, all safety information fitted to the sprayer and any other manual for associated equipment.

Warning! Never allow an inadequately trained person to install or operate the sprayer.

Warning! Do not spray flammable liquids.

Warning! Refer to the chemical manufacturer's label for correct use and safe handling instructions of chemicals before filling or using the sprayer. Always wear the recommended safety clothing and equipment when handling chemicals and operating the sprayer. Ensure that all operators and associated personnel are familiar with the legal regulations and codes of practice that apply to the safe use, storage and disposal of spray chemicals.

Warning! Exercise care to ensure proper stability when carrying or operating in hilly and uneven terrain, particularly if the ground is wet or loose. Wear non-slip shoes.

Warning! Before carrying out maintenance work, wash the sprayer thoroughly to remove all toxic chemicals that may contaminate the sprayer. Wear appropriate safety clothing and equipment when carrying out maintenance. Do not clear blocked nozzles by blowing out with your mouth.

Warning! Never point the spray gun at any person or any part of the human body.

Warning! Dispose of empty chemical containers and chemical residues in accordance with the instructions supplied by the chemical manufacturer.

Specifications



GENERAL:

This trolley sprayer has been designed and manufactured primarily for applying agricultural and horticultural herbicides and insecticides to plants. It may also be used for cleaners and other products compatible with Viton seals.

TANK:

13L blow moulded translucent polyethylene tank, U.V. stabilised and impact resistant with calibrated fill mark moulded into the tank. Safety pressure release valve fitted. Nominal capacity 13 Litres.

SPRAY LANCE:

Trigger jet assembly with 500mm long telescopic lance extendable to 900 mm supplied with adjustable nozzle

TROLLEY:

2-wheel Trolley, Adjustable handle length, 150mm diameter wheels

FILTRATION:

Filter in spray lance handle.

DIMENSIONS:

Length: 340 mm

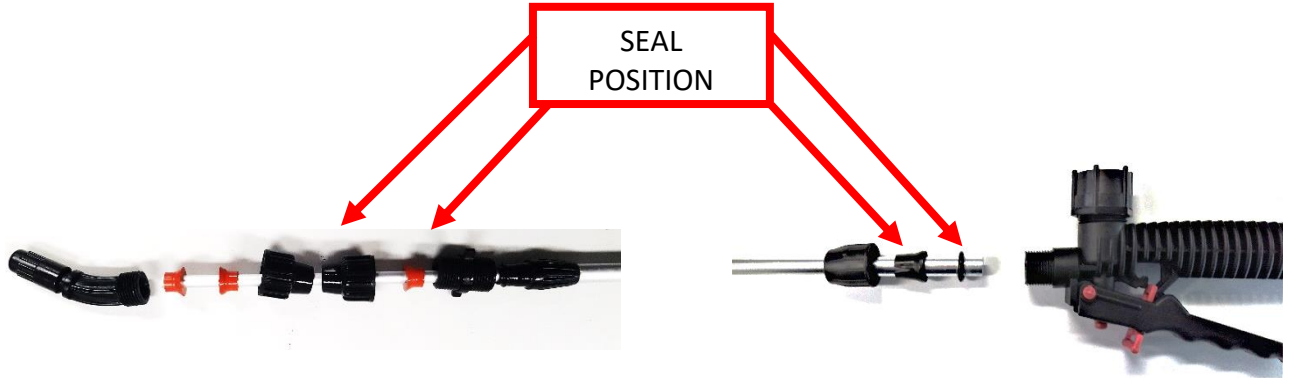
Width : 300 mm

Height: 900 mm

Weight (dry): 3.79 kg

GUN ASSEMBLY:

Fit the spray lance to the gun ensuring the rubber seal is fitted. Fit the 45-degree elbow and nozzle to the tip of the lance again ensuring the seal is in place.



FIT THE TROLLEY HANDLES AND ADJUST THE HEIGHT:

The handle length can be adjusted by loosening the nut shown in the diagram, adjusting the length and retightening.



FILLING THE TANK AND ADDING CHEMICAL:

Warning: Before using the sprayer for the first time or adding chemical check the operation and function of the sprayer with clean water.

Check that the filter is clean, and all fittings, hoses and gun connections are tight.

Partly fill the sprayer before adding chemical. Always use clean water to prevent blockages and ensure chemical function is not inhibited.

Add the chemical according to the directions on the chemical container following all safety and protective equipment recommendations.

Do not use wet powders or chemicals that must remain suspended in solution and require agitation. Only use chemicals or dyes that fully dissolve.

Do not use a sprayer that has been used to spray herbicides for insecticides or nutrients unless the sprayer has been thoroughly cleaned including neutralising the herbicide according to the manufactured directions if required.

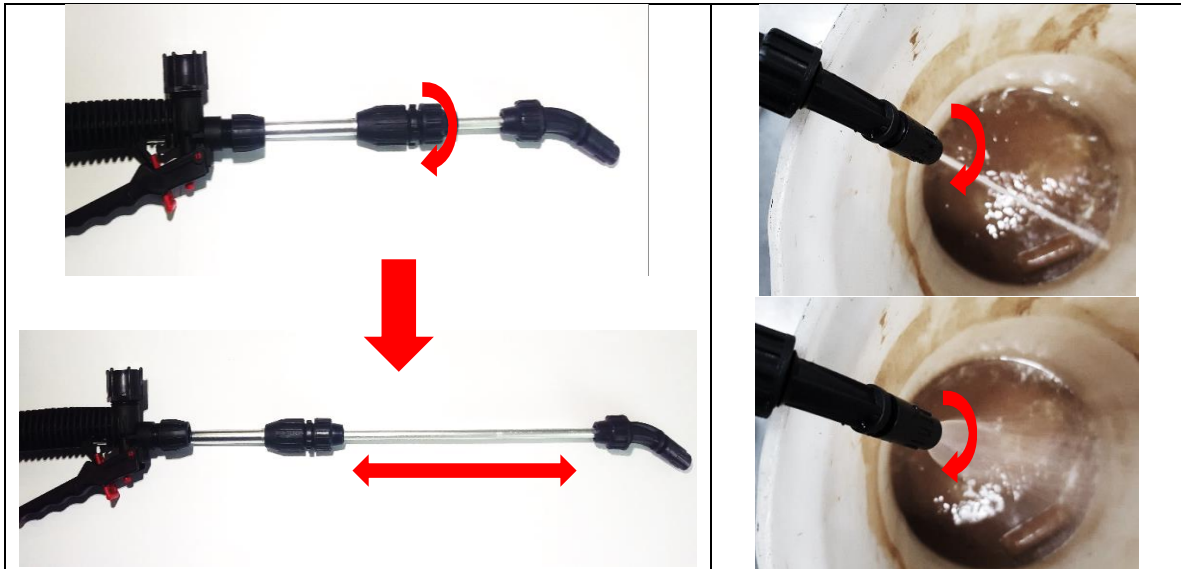
OPERATING THE PUMP:

The tank is pressurised by manually pumping the handle up and down. A pressure safety valve prevents over pressurisation. After use always release the air pressure inside the tank using the pressure safety valve, particularly in hot weather.



ADJUSTING THE SPRAY LANCE AND THE NOZZLE:

The spray lance can be adjusted by loosening the nut as shown below, extending the lance to the desired length, and retightening. The nozzle can be adjusted by loosening the nozzle as shown below, loosening and tightening the nozzle for desired spray stream (single stream or cone stream).



Service & Maintenance

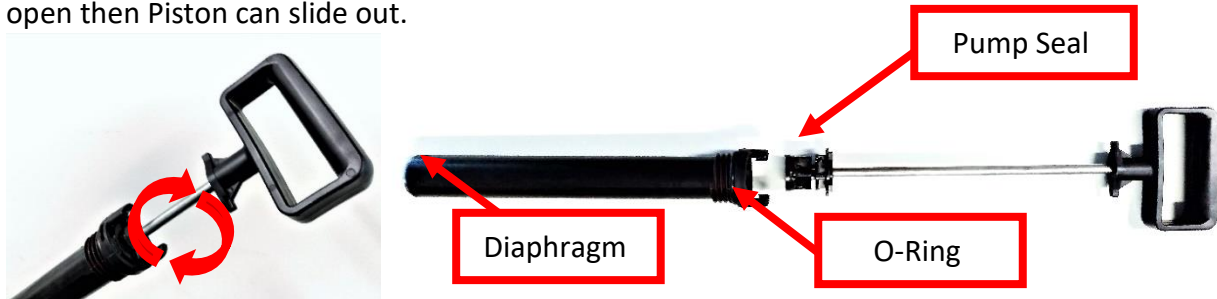
CLEANING THE FILTER IN THE GUN HANDLE:

Use clean water and rinse out the sprayer after use to avoid the filter becoming clogged. The filter is fitted inside the handle of the sprayer. Unscrew the hose connection to the gun and withdraw the filter.



SERVICING THE PUMP:

To access all O-rings and seals the pump will need to be opened. Top of pump will twist open then Piston can slide out.



Inspect under the diaphragm for dirt or debris and clean. Remove diaphragm and clear; replace if damaged. Check pump seal is clean and lubricated (Vaseline/Petroleum Jelly).



SERVICING THE HOSE:

Inspect the pipe that attaches to the hose, check that it is still attached.





	Part Number	Description
1	382-097	Extendable Lance Only
2	TR13-23	Handle Lock Nut Suit TR13-1
3	TR13-21	Pump Assembly Suit TR13-1
4	TR13-22	Seal Service Kit Suit TR13-1
5	TR13-24	Safety Release Valve Suit TR13-1

TROUBLESHOOTING GUIDE	
Problem	Solution
No or limited pressure inside the tank.	<ul style="list-style-type: none"> • Air Leak: <ul style="list-style-type: none"> • Check pump assembly is screwed in tight. Check for dirt or damage of sealing gasket, replace if necessary. • Check safety air release valve is tightly fitted, not damaged or making “hiss” noise. Remove, clean then refit. • Check Spray hose connection, where hose exits tank is tightly fitted and connection not making “hiss” noise • Pump will not pump: <ul style="list-style-type: none"> • Check diaphragm on end of pump is clean, remove and wash under clean water or replace if damaged • Check O-Ring on piston is clean and lubricated or replace if necessary.
There is pressure inside tank but limited or no flow from the nozzle	<ul style="list-style-type: none"> • Unscrew the spray gun from the hose to access the filter inside the gun handle to clean. • The nozzle is blocked. Unscrew the black coloured nozzle from the end of the gun and clean all parts.
The sprayer sprays air without water	<ul style="list-style-type: none"> • The suction tube inside the tank has become loose. Refit.
Lance filter blocked	<ul style="list-style-type: none"> • Clean filter with water only



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