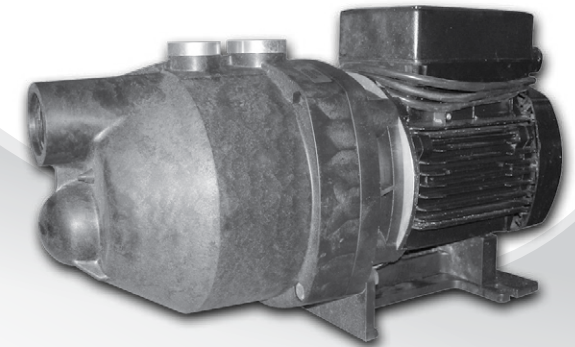


PRESSURE BOOSTER 150

Owners Manual



Rainbow Pool Products

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WARNING

This equipment must be installed and serviced by a qualified technician. Improper installation can create electrical hazards which could result in property damage, serious injury or death. Improper installation will void the warranty.



Notice to Installer

This manual contains important information about the installation, operation and safe use of this product. Once the product has been installed **this manual must be given to the owner/ operator of this equipment.**

WATERCO

Waterco Limited ABN 62 002 070 733

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APPLICATION

This pump has been specifically designed for use as a Pool Sweep Pump. When installed the suction line of the pump must branch into and draw water from the return to pool line of the pool pump filtration system.

The pool pump filtration system must be run simultaneously with the pool sweep pump and be capable of supplying enough water to meet its requirements.

PRE INSTALLATION CHECKS

1. Check that the area where the pump is to be located is as close as possible to the water supply, is flat and water will drain away easily from the area.
2. Check that the power supply to the pump meets the specification listed on the pump name plate.
3. Check that adequate housing and protection from the weather is available and will also provide proper ventilation to the unit.

PIPE SUPPORTS

All pipes must be supported separately from the pump otherwise distortion of the pump components could cause problems.

Short lengths of rubber hose can assist in alignment and also assist in reducing vibration through the system, long lengths of P.V.C. or poly pipe should be buried to minimise sun exposure. This is essential as expansion of these pipes can put stress on the pump.

CAUTION

Do not start the pump dry! Running the pump dry for any length of time will cause severe damage and will void the warranty.

PRIMING THE PUMP

Priming can take place by partially unscrewing the priming cap. Keep the Booster pump off, and switch the filter pump on. Allow all excess air to escape via the priming cap and reseal when water starts flowing out. Start Booster pump.

TROUBLESHOOTING

1. IF THE MOTOR WILL NOT START

Possible causes:

- a. Circuit breaker has blown or tripped.**
Replace/Reset circuit breaker and ensure proper size is used.
- b. Defective Wiring**
This can cause fuses to blow or motor to run erratically. Repair or replace wiring.
- c. Impeller or Seal Stuck**
Remove wet end of pump and rotate impeller by hand and clean out any debris.
- d. Low Voltage**
If motor runs slowly and will not get up to speed contact a licensed electrician to inspect power supply, and ensure that correct voltage is delivered to the unit.

e. Incorrect Size Wiring

Consult a licensed electrician and ensure that wiring is of the correct size for the power requirements and length of cable.

f. If any other problems are encountered, please contact Waterco branch for service options.

2. MOTOR RUNS HOT AND OVERLOAD TRIPS OUT

a. Low Voltage

If motor runs slowly and will not get up to speed, contact a licensed electrician to inspect power supply, and ensure that correct voltage is delivered to the unit.

b. High Voltage

Contact a licensed electrician to inspect power supply, and ensure that correct voltage is delivered to the unit.

c. Poor Ventilation

Provide adequate ventilation to the pump.

3. PUMP WON'T DELIVER WATER

a. Leaky Suction Pipe

Make sure all pipe connections and tube connections are pressure tight. Use pipe joining compound and pull up tight.

b. Won't Prime

Add water slowly so as to exclude air from pump and pipe system. Repeat if necessary. Check suction pipe and foot valves for leaks.

c. Injector Nozzle Clogged

Remove injector and clean nozzle of any obstructions. Ensure that piping is clean before replacing.

d. Foot Valve Stuck or Strainer Clogged.

Remove, repair and clean.

e. Horizontal Suction Piping Does Not Slope Up From Well To Pump

Ensure that there is no air trap in the horizontal piping between supply and pumps (no hoops).

f. Water Level Below Foot Valve

Lower foot valve deeper into well.

g. Pump Rotating Wrong Way

Contact Waterco service personnel to check the electric connections on the motor.

4. PUMP LOSES PRIME

a. Air Leaks In Suction Line

Look for possible air leaks in suction line and if found, seal all leaks. On high suction lift it is very important to have no leaks in the suction line.