

Power Plus Pump (Self Priming) – Installation Instructions

Congratulations on purchasing a Power Plus swimming pool and spa pool pump. Your pump was assembled in New Zealand from both locally made and imported parts. It has been thoroughly pressure tested to ensure the highest level of quality before distribution.

1. The purpose of these instructions is to ensure the correct installation and best performance of our pumps.
2. The suction line should have a diameter equal to or greater than 40mm (1½") PVC pipe. The Power Plus is supplied with two MAC UNION TAILS for the inlet to support either 40mm or 50mm PVC pipe.
3. The outlet line may be of varying diameter depending on the hydraulic design of the filtration system. The Power Plus is provided with one MAC UNION TAIL for the outlet to support 40mm PVC pipe.
4. The pump must be fixed on a firm base with support screws (not supplied) through the prepared holes in the foot.
5. When installing the pump, cut PVC pipe to fit with a saw. Ensure the cut is clean and without burrs.
6. Glue the PVC pipe into place using a primer and high quality PVC glue. Follow the glue manufacturers instructions. As a general rule, glued fittings should be left for 24 hours before being placed under pressure.
7. If installed in a position above the waterline, consider installing a CHECK VALVE to limit siphoning back into the swimming pool when the pump is not in use.
8. Before using the pump for the first time, it is necessary to prime it. This is done by unscrewing the lock ring and removing the lid. Fill the pump HAIR AND LINT POT with water to above the inlet.
9. It is important to ensure the pump never runs dry. Make sure all valves are in the open position before operation. When starting the pump, observe it to ensure that water is flowing properly, that the pump primes and that there is no excessive vibration or surging (these are usually signs of an air leak in the plumbing).
10. Daily running time will vary depending on the design of the pools filtration system. As a general rule, a domestic swimming pool should aim for 2x turnovers per day. Consult your local swimming pool shop / supplier for further information regarding running times.
11. Maintenance: The Power Plus does not require any specific maintenance. It is advisable to regularly check the HAIR AND LINT POT BASKET is clear. If the pump is to remain idle for an extended period of time it is advisable to empty the pump and clean it and re lubricate the lid o-ring with a non-petroleum based lubricant.
12. This pump is covered by a two-year warranty from the date of purchase. Ensure you complete and return the Warranty Card included in the pump carton.



Notes:

The pump motor should be connected to a three wire earthed system using a weatherproof plug, lead & switch.

Installation of Plugs and Switches should be carried out by a Qualified Electrician.

Weatherproof plug and switches should be used and installed a minimum of 45cm (18") above ground and 3m (10') from the pool perimeter in accordance with the National Code.

Due consideration should be given to local Council by-laws. Do not connect the motor wire to any lighting systems.

The pump should be located at least 1.5m (5') from the pool and raised from the ground so as not to be flooded from any surface water. It is not advisable to install the pump at more than 3m geometric height from the water level.

Do not run the pump without water flow. The manufacturer accepts no responsibility for damage caused by the pump being run without water or if the motor is found to have been damaged due to insufficient drainage.