



Operations Manual for B&L Pumps Tornado ecoPump



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General

Introduction

Congratulations on purchasing your energy-efficient, multi-speed, eco-friendly B&L Pump. This manual will answer most questions regarding the use and everyday operation of the pump. For any queries not answered or confirmed by this manual, feel free to call any of our friendly shops with any questions you may have. The contact details of all our shops can be found at the back of this manual.

Glossary/Description

There are two major parts of the multi-speed pump: The wet end, and the motor. The wet end is responsible for holding the water and comprises of the lint pot, basket, lid, and barrel unions. The motor uses Permanent Synchronous Magnets (PSM) which allows its speed to be controlled. On top of the motor is the control box. The control box comprises three functions buttons: Low, Medium, and High. Water is pulled into the front barrel union, and returned to the pool via the top mounted union.

Operation

Start-up Checks

There are a few checks that need to be made when starting and operating the pump. These are:

1. Ensure the barrel unions are tight and both the suction and return unions have O-rings that are lubricated with a non-petroleum-based lubricant e.g. silicone grease.

2. Remove the lid by turning the handles counter-clockwise in the direction of the “OPEN” arrow and by pulling upwards firmly once lid is loose.

3. Fill the lint pot with water to ensure the pump is primed.

4. Replace the lid by keeping the clear section inside the black locking ring, and by pushing the lid into the lint pot (Some silicone spray or silicone grease may make this easier). Turn clockwise to tighten once pushed down. (Before replacing lid, ensure there are two O-rings on the lid – One in the groove and one around the lip).

5. Once the pump is primed, turn on from power point or chlorinator box by setting to manual, override, or other such setting. Ensure there are no leaks from under the pump, the barrel unions, or the lid.

6. The pump should hold water in the lint pot when it is switched off. If the water drains out, an in-line non-return valve may be needed, or this may be an indication that there is an air-leak in the system.

Functions

The function buttons are simple to use. When the pump is starting, it will begin on the high setting. This is a safety function to ensure the pump attains a proper prime. After the high setting (5 minutes), the ecoPump will revert to the standard setting. This setting can be changed by pressing and holding the desired function button until the LED flashes (around 5 seconds). For example, if you want the ecoPump to revert to low speed after the 5 minute cycle, press and hold the low speed button for 5 seconds. The ecoPump will automatically revert to that setting.

Warnings

Under no circumstances open or disassemble the ecoPump. Doing so may void your warranty. If you are having problems with your ecoPump, please contact your nearest B&L Pumps store, or drop the ecoPump in and our qualified technicians will assess the problem.

Do not submerge or allow your ecoPump to become submerged in water. Doing so will damage the windings and void your warranty. It is recommended the ecoPump is placed just above the ground, not more than 300mm above the pool water level. To prevent vibration, secure the ecoPump with bolts or place on a rubber mat.

Storing your ecoPump and pool equipment under cover will lengthen the life expectancy of your equipment.

Do not move the ecoPump while it is running. Doing so may damage the internal components, and therefore void your warranty.

Do not remove the lid while the ecoPump is running. Doing so will damage the ecoPump, and possibly damage other equipment.

Always start the pump with water in it, and never run it dry.

Whenever changing settings on your sand filter, ensure your pump is switched off before doing so.

Shop Contact Details

Kenwick – 1750 Albany Hwy, Kenwick 6107
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Willetton – 3 Yampi Way, Willetton 6155
9457 8333

Myaree – 496 Marmion St, Myaree 6154
9317 4888

Forrestfield – 1 Strelitzia Ave, Forrestfield 6058
9359 1222

Joondalup – 3/20 Mercer Lane, Joondalup 6027
9300 0497

Balcatta – 8/257 Balcatta Rd, Balcatta 6022
9440 4855

Kewdale – 343 Orrong Rd, Kewdale 6105
9355 1885

