

Proactive Environmental 12 Volt Groundwater Pumps - Plastic

Simplify your field sampling with the Proactive Environmental 12V Groundwater Pumps, designed for 50mm bores. Connect to a 12V power source such as the battery of a running car and you are ready to purge and sample your groundwater wells.

Benefits

- Sleek outside design reduces hang-ups in the well
- Flow controllers (Super Twister 2, Monsoon pumps only) to enable low-flow sampling
- Low cost makes it easier to assign cost to a job
- Ready for field use - add your tubing and a 12V DC battery

Pump life: 200-400 hours under operation in ideal conditions and very clean water.

Tips for getting the most out of your pump

- In order to provide sufficient continuous power to the pump, operators typically use the battery of car that is idling or a deep discharge marine battery.
- Do not use for well development – using the pump for highly turbid water will reduce the lifetime or damage the pump.
- Do not start the pump at the bottom of the well, as the sudden high pressure might cause an impellor to blow off. Instead, start the pump in relatively shallow water and lower down whilst pumping.
- Minimise the instance of the pump running dry. Doing this will reduce the life of the pump. Do not let the pump run dry continuously for more than 5 minutes.
- The pump can handle sand, silt and small debris, however only within moderation. Take care not to start pumping from the bottom of the bore because it will suck in sediment.
- If using the pump with a controller, it is recommended that you start the controller at low speed, as opposed to starting at full speed. Starting at full speed may produce too high sudden pressure on the pump and damage it.
- Dedicating pumps to a monitoring well – it is not recommended to keep a plastic pump submerged between sampling events. The water chemistry may damage components of the pump.
- Pumps work better running continuously as opposed to starting and stopping.
- It is not recommended to 'valve down' a pump's discharge in order to reduce the flow. This also applies to blockages induced by flow cells and in-line filters. A flow controller is recommended to vary flows.

Warranty: Due to the variable nature of their use, the Proactive Pumps have a limited warranty. Warranty is subject to returning to the manufacturer for assessment.

Mini-Typhoon



| Depth | Flow Rate |
|-------|-----------|
| 1m | 9 l/min |
| 3m | 8 l/min |
| 6m | 7.5 l/min |
| 9m | 3.7 l/min |
| 12m | 0.9 l/min |
| 15m | 0 l/min |

FITS 50mm WELL

Specifications

Max. Lift 12m
Power Consumption (max.) 105 watts
Voltage Recommendation 12-15 at source
Amp Output (max.) 7 Amps
Dimensions 47mm dia. x 240
Material PVC & Stainless Steel
Discharge hose size ID 10 or 12mm

Ordering Information

PEPMINI-TYPHOON
 Mini-Typhoon 12V Pump, 12m Lift, 15m cable and battery clamps

Twister



| Depth | Flow Rate |
|-------|------------|
| 1m | 16.5 l/min |
| 3m | 14 l/min |
| 6m | 12 l/min |
| 9m | 10.3 l/min |
| 12m | 8.4 l/min |
| 15m | 5.5 l/min |
| 16m | 2.8 l/min |
| 18m | 0 l/min |

FITS 50mm WELL

Specifications

Max. Lift 18m
Power Consumption (max.) 180 watts
Voltage Recommendation 12-15 at source
Amp Output (max.) 11 Amps
Dimensions 47mm dia. x 375
Material PVC & Stainless Steel
Discharge hose size ID 10 or 12mm

Ordering Information

PEPTWISTER
 Twister 12V Pump, 18m Lift, 24m cable and battery clamps

Super Twister Version 2



| Depth | Flow Rate |
|-------|------------|
| 1m | 16 l/min |
| 3m | 14 l/min |
| 6m | 13.2 l/min |
| 9m | 11.3 l/min |
| 12m | 9.4 l/min |
| 15m | 6.6 l/min |
| 16m | 2.8 l/min |
| 25m | 1 l/min |

Specifications

Max. Lift 25m

Power Consumption (max.) 225 watts

Voltage Recommendation 12-15 at source

Amp Output (max.) 15 Amps

Dimensions 47mm dia.

Material PVC & Stainless Steel

Discharge hose size ID 10 or 12mm

Ordering Information

PEPSUPERTWISTER-V2

Super Twister 12V Pump, 25m Lift,
27m cable and battery clamps

**FITS 50mm
WELL**

Monsoon

Requires Controller



| Depth | Flow Rate |
|-------|------------|
| 3m | 16.6 l/min |
| 6m | 15.8 l/min |
| 12m | 13 l/min |
| 15m | 10.5 l/min |
| 21m | 8 l/min |
| 24m | 7 l/min |
| 26m | 6 l/min |
| 30m | 5.6 l/min |
| 33m | 4.7 l/min |
| 36m | 3.7 l/min |

Specifications

Max. Lift 35m

Power Consumption (max.) 450 Watts

Voltage Recommendation 12-15 at source

Amp Output (max.) 30 Amps

Dimensions 47mm dia. x 508mm

Material PVC & Stainless Steel

Discharge hose size ID 10 or 12mm

Ordering Information

PEPMONSOON

Monsoon 12V Pump, 35m Lift,
39m cable and plug (to suit controller)
Requires controller

PEPPBC2

Power booster 2 controller
12-24v adjustable

PEPPBC2LF

Low flow power booster 2 controller
0-24 V adjustable

**FITS 50mm
WELL**

Authorised distributor

In Australia:

For customer service, call 1300-735-292

To email an order, ordersau@thermofisher.com

To order online: thermofisher.com

In New Zealand:

For customer service, call 0800-933-966

To email an order, ordersnz@thermofisher.com

To order online: thermofisher.com

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