



Purging & Well Development

Instruction Manual

Specifically designed for this application, Whale Purging Pumps will give reliable service. In order to ensure both the safe operation and longevity of the products, please pay attention to the following:

- This pump is not suitable for pumping gasoline [petrol] or highly inflammable liquids.
- The product is designed for use in water only. It is the user's responsibility to ensure chemical compatibility with pump materials if used with other liquids.
- Do not run the pump without water. Running the pump dry will damage the pump and void any warranty responsibility on the part of Whale Water Systems.
- Sand and silt may permanently damage the pump and void any warranty responsibility on the part of Whale Water Systems.
- Having run the pump for a maximum of 15 minutes, a minimum cooldown period of 5 minutes is recommended before further use.

EC Declaration of Conformity

We hereby declare that the purger range conforms with the provisions of the following EC Directives: Electromagnetic Compatibility Directive 89/336/EEC, amended by 92/31/EEC and 93/68/EEC on the approximation of the laws of the member states.

CE mark affixed 26/06/06

Basis on which conformity is declared. The purger range complies with the protection requirements of the EMC Directive.

Standards applied
EN55014-1:2000 and EN55014-2:1997.

Signed:

Richard Bovill

Position: Engineering Director

Ref no: 180.90_v6_1119

Munster Simms Engineering Ltd, 2 Enterprise Road, Bangor, Co Down, N.Ireland BT19 7TA

Tel: +44 (0)28 9127 0531

Web: www.whalepumps.com Email info@whalepumps.com

Whale Support (The Americas)

Tel: +1 616 897 9241

Web: www.whalepumps.com Email usasales@whalepumps.com

Groundwater Purging Pumps

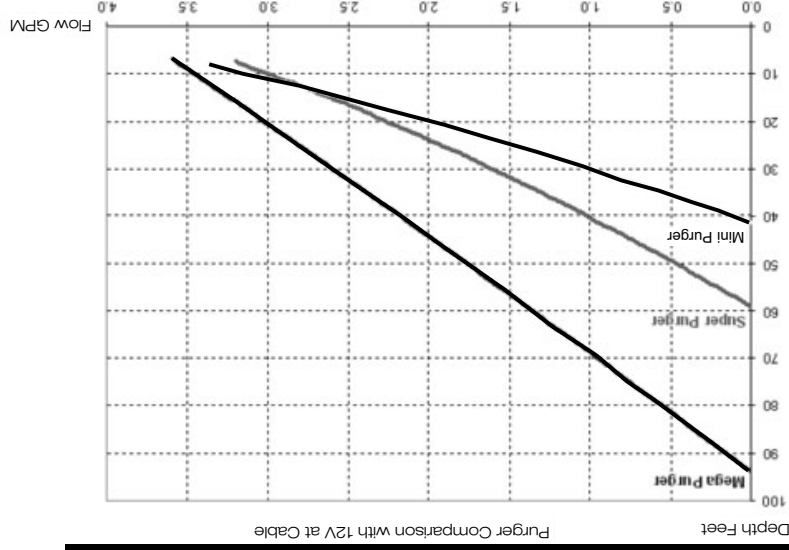
Introduction

Whale Purging Pumps provide an easy-to-use, high quality, economical solution for purging and well development to a depth of 90ft [27m]. Its 1.70" [43mm] diameter is ideal for use in 2" or larger monitoring wells.

Specification

Whale Purging Pumps	Whale Mini Purger WP4012	Whale Super Purger WP6012	Whale Mega Purger WP9012
Dimensions (Length / Diameter)	130cm x 43mm	260cm x 43mm	400cm x 43mm
Maximum Current Draw	5 Amp (Automotive)	12 Amp (Automotive)	15 Amp (Automotive)
Maximum Lift / Head	40ft (12m)	60ft (18m)	90ft (27m)
Length / Thickness of Cable	50ft (15m) 1.3CSA	66ft (20m) 1.3CSA	98ft (30m) 3.96CSA
Maximum Flow Rate / Minute	2.98 US gals (11.3L)	2.93 US gals (11.1L)	2.65 US gals (10.1L)
Power Requirement	*12 V DC		
Outlet Diameter	3/8" (11mm), 1/2" (13mm) Adapter included		
Operating Temperature	Maximum 140°F (66°C)		
Material of Casing	ABS / Nylon		
Material of Pump Impeller	Polypropylene		
Material of Seal	Nitrile Rubber		
Recommended Pumping Duration	Intermittent use. Running periods should be restricted to 15 minutes followed by a 5 minute cool-down period		
In this case the pump should only be run for a maximum period of 10 minutes. For higher flow rates/deep wells, the pump can be connected to a vehicle battery while the engine is running (15 volts max).			

Performance



Purger Comparison with 12V at Cable

Maintenance

- The pump is completely sealed. It requires no maintenance and no attempt should be made to open it.
- Run clean water through the pump after each use to prevent cross contamination and build up of sand and silt.
- To increase pump life, the pump is fitted with a strainer which should be inspected and cleaned at frequent intervals.

Note: Sand and silt, if allowed to build up, can cause the pump to fail.

- Attach the desired length of tubing to the pump. The pump can be used with either 3/8" ID tubing or 1/2" ID tubing (adapter is included).
- **Note: Once fitted, the 1/2" adapter cannot be removed.**
- Lower the pump into the well, suspending the pump by the tubing, not by the electrical line. Fully submerge the pump in water. It is self priming. Note: Do not connect the pump to the power source until it is fully submerged. This will ensure a good prime.
- Connect the power cords to a 12V d.c. power supply to begin pumping.
- Having run the pump for a maximum of 15 minutes, a minimum cool-down period of at least 5 minutes is recommended before further use.
- Once the particular task is completed, the pump may be left in the well for dedicated installations or removed and decontaminated for later use.
- This Whale product is covered by 1 years warranty. Please see the enclosed document for details of our statement of limited warranty.

Operation