PROACTIVE ENVIRONMENTAL PRODUCTS® 12 Volt Tornado® Plastic Pump

(Lifts 100 Feet / 31 Meters DTW)



The Engineered Plastic 12-volt submersible centrifugal Tornado® pump is capable of pumping up to 100 feet from ground level (DTW)* by simply connecting the Tornado® to a 12-volt deep cycle battery. Its reliable design is perfect for continuous sampling and purging of groundwater wells and Low Flow Sampling (Fractional Flow®).

The 12 Volt Tornado® is ideal for low flow sampling (Fractional Flow®) in conjunction with Proactive Environmental Products Low Flow Sampling Controller. Low flow sample all the way down to 40 mL/s per minute. To achieve even a lower flow.... simply add the Low Flow Sampling Control Valve in conjunction with the Low Flow Sampling controller to achieve flow rates of 10 mL/s per minute or less!

Simplify and Expedite Your Next Sampling Event!

- Tornado® can operate under harsh conditions with higher turbidity.
- Tornado® can run continuously in water without the need for a cool down!
- Tornado® has a 400 hour motor life!
- Tornado® has a sleek outside that minimizes well hang-ups.
- The Tornado® is a very reliable and economical pump that provides a great bang for your buck!

This pump is not engineered to be dedicated in liquid 24 hours a day.

*Depth to water

Specifications:

WATT CONSUMPTION (MAX): 210 WATTS (MAX)

DC VOLT RECOMMENDATION: 12-15 DC (direct current) At Source

AMP CONSUMPTION (MAX): 14 AMPS

MEASUREMENTS: LENGTH 27" / DIAMETER: 1.82"

REQUIRED TUBING: 3/8" or 1/2" ID TUBING

SUPPLIED WITH: 110 FEET OF HEAVY DUTY 10 GAUGE WIRE, QUICK

DISCONNECT PLUG & BATTERY CLAMPS

PUMP CONSTRUCTION: ABS

IMPELLER CONSTRUCTION: POLY ACETAL (POM)
MOTOR SHAFT CONSTRUCTION: STAINLESS STEEL

WIRE CONSTRUCTION: PVC
SEAL CONSTRUCTION: NITRILE

What is included in the box:

- 12 Volt Tornado® Pump (Item# P-10330)
- Quick Disconnect Plug With Battery Clamps (Item# PA-18050)

Pumping Depth in Feet DTW (Depth To Water)	Gallons Per Minute At 12.5 Volts At The Source
3	3.75
10	3.50
20	3.00
30	2.75
40	2.50
50	2.00
60	1.50
70	1.00
80	0.50
90	0.40
100	0.25
Test was conducted with a 12 volt deep cycle battery at 12.5 volts at battery terminals	
Running your vehicle while using this pump will dramatically increase purge volume	