QED

Portable Electric Groundwater Sampling Pump

Unique, All-in-one Design Senses Water at the Pump

QED Environmental Systems' new **Power Pro ESP™** (patent pending) electric sampling pump incorporates an all-in-one design with user-friendly controls built right into the reel. There's no need for an external AC generator – simply run the Power Pro off your vehicle's battery, or go mobile in the field by using a small, portable battery. The Power Pro's unique ESP Communications Protocol℠ has an integrated **In-water Sensor** that lights up to confirm when the pump is fully submerged to prevent the pump from running dry and limit drawdown in the well.

With its variable-speed brushless motor and revolutionary high-efficiency impeller design, the Power Pro combines reliability and ease of use to deliver a new generation of portable electric sampling pumps to the industry. This unique combination consumes 50-75% less power, which translates to less heat, and lighter, more flexible power supply options. The Power Pro system can weigh 35% less than a traditional pump and controller. And, with its reduced power consumption, you can sample more wells than with any other electric pump.*

The Power Pro ESP electric sampling pump is the latest sampling innovation from QED Environmental Systems, the leader in low-flow groundwater sampling. It offers the value and quality you have come to expect from QED backed by our team of application specialists, in-stock inventory, local sales and technical support, and expert customer service.

(*Based on same operating conditions and battery capacity.)

1-800-624-2026
www.qedenv.com/powerpro

Power Pro ESP™
Electric Sampling Pump

QED
Environmental Systems

The Leader in Low-Flow Sampling

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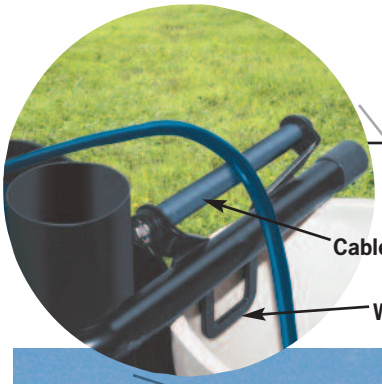
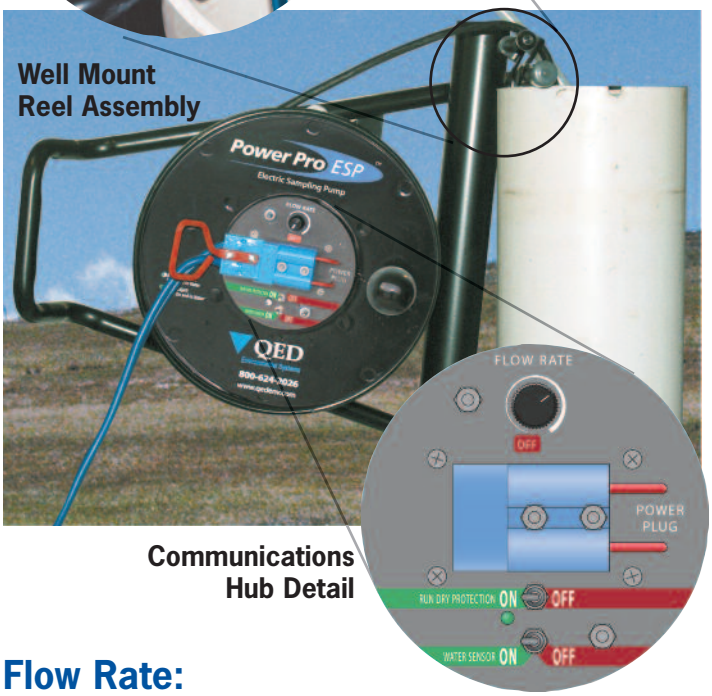
Power Pro ESP™ Electric Sampling Pump



The first Electric Pump designed for Low Flow Sampling



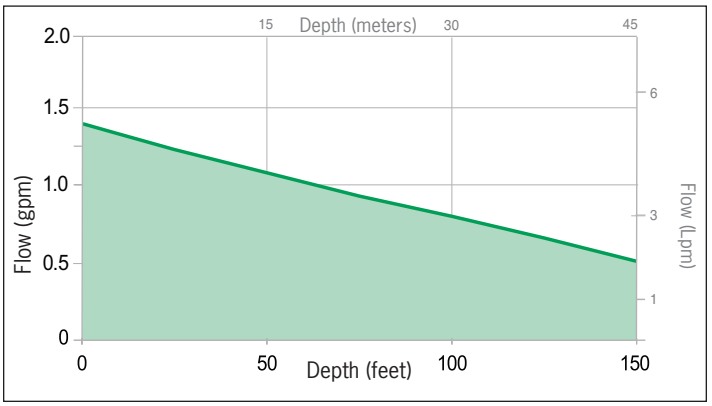
Communications Hub Detail

The Power Pro ESP pump system includes a pump with standard inlet and screen, ½" stainless steel tube barb, 150' of 12-gauge power cable, power cord with battery cable clamps, voltage booster, and a reel assembly with built-in controller, pump holster, well hanger, and cable roller.

Specifications:

Model Number:	EP150	
Flow:	0.6 gpm @150 ft. (2.2 Lpm @ 45 m)	
Diameter:	1.80 in. (4.6 cm)	
Length:	15.5 in. (39.4 cm)	
Weight: Pump	4.6 lbs. (2.1 kg)	
Pump/Reel/Power Cable	26 lbs. (11.8 kg)	
Typical Power:	50-150 watts (max)	
Supply Voltage:	12V	
Current:	1-8A (max)	
Wire Gauge:	12	
Wire Insulation:	PVC	
Discharge Tube:	OD: 0.5 in. (1.3 cm)	ID: 0.375 in. (1.0 cm)

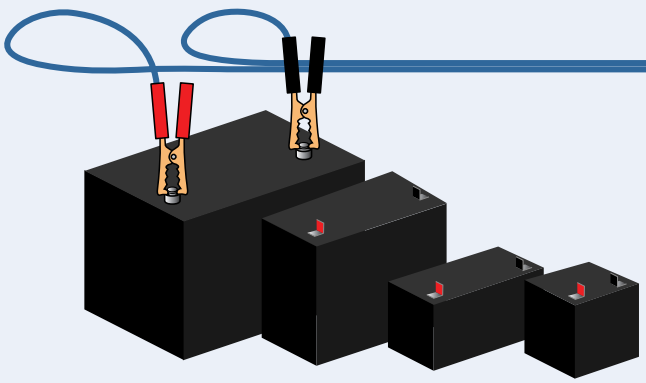
Flow Rate:



Curve generated using supplied voltage booster and 150 ft. (45.7 m) of power cable and tubing. Results may vary depending on actual field conditions, frictional line loses, battery capacity, and amperage draw.

Accessories:

40875	**Easy Fitting Kit, ½" Tube**
40878	**Discharge Check Valve Kit**
40879	**Battery 12V, 14 AH**
40880	**Battery Charger**
40897	**½" OD Poly LDPE Tubing, 500 ft. roll**
8330	**Support Cable**
8334	**Support Cable Hardware Kit**



Battery Reference Table

BATTERY	Weight	Minutes*	Gallons
12V 34AH	26.5 lbs. (12.0 kg)	408	380 (1,438 L)
12V 14AH	10.5 lbs. (4.8 kg)	168	156 (636 L)
12V 7AH	4.4 lbs. (2.0 kg)	60	78 (318 L)
12V 5AH	2.5 lbs. (1.1 kg)	30	56 (212 L)

(75 ft. [22.9 m] depth with 150 ft. [45.7 m] of power cable and tubing.)
*Typical performance in intermittent use conditions.