

# **MICROPURGE® MP100/MP100-CE** PERISTALTIC PUMP SYSTEM

## PORTABLE GROUNDWATER SAMPLING PUMP



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## FIELD READY DESIGN WITH PRECISE FLOW RATE CONTROL

Peristaltic pumps are widely used for sampling shallow groundwater for low-flow purging and sampling. They're uniquely well suited to sampling for PFAS since the water sample only contacts the tubing in the well and around the pump head, making a PFAS-free dedicated sampling system simple and economical.

QED's MicroPurge MP100 Peristaltic Pump system combines an efficient motor and pump head for smooth, quiet operation with exceptional flow control. Built into a hard shell case, the pump head and control panel are fully enclosed for safe field transport and shipping – no need for a separate outer case. The low power consumption of the brushless DC motor provides long battery life, making field work more efficient, and the integral voltmeter on the panel gives you a quick look at your battery charge status. Complete your dedicated sampling system with drop tubing, drop tubing weight kits and easy to install well caps. The MicroPurge MP100 is the new breed of peristaltic pump, designed for the field with you in mind.

### FEATURES

- Rugged design with the pump head fully enclosed in a high strength molded case to protect the pump during transport
- Brushless DC motor for low power consumption longer battery life, smaller battery options
- Flow rates to 1,500 ml/minute and lifts up to 30 feet using popular silicone tubing sizes
- Simple flow control from zero to maximum for easier sample collection
- Complete dedicated system includes optional well caps, drop tubing and tubing weights


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# MP100/MP100-CE

## MICROPURGE MP100 PUMP SYSTEM SPECIFICATIONS

Pump type:	two roller peristaltic pump with brushless DC motor, fixed stator housing and removable guard cover
Power source:	12VDC storage battery (SLA, AGM) or 12.6V @ 3A minimum power supply
Operating Current:	2.0A
Pump Tubing Sizes:	L/S 15, L/S 24, L/S 35 (see operators manual for detailed tubing specifications)
Flow rates:	L/S 15: 550 ml/min @ 15 feet (4.6m) lift; 700 ml/min maximum, < 10 ml/min minimum L/S 24: 650 ml/min @ 15 feet (4.6m) lift; 1,100 ml/min maximum, < 10 ml/min minimum L/S 35: 480 ml/min @ 15 feet (4.6m) lift; 1,500 ml/min maximum, < 10 ml/min minimum
Maximum lift depth:	30 feet (9m) at sea level*
Case Dimensions:	16.5" L x 13.0" W x 7.0" H (42cm L x 33cm W x 17cm H)
Weight:	13.5 lbs (6.1 kg)
Warranty:	1 year (see operators manual for details)
RoHS Compliance	RoHS 3 (2015/863/EU) with exemption 6c
CE Compliance	Machinery Directive (2006/42/EC) when equipped with slotted screw pump head guard

## MICROPURGE MP100 PUMP SYSTEM COMPONENTS

P24	Recessed well cap for 2" (50mm) Well Casing, 1/4" drop tube fitting with dust cover
P25	Recessed well cap for 2" (50mm) Well Casing, 5/16" drop tube fitting with dust cover
P26	Recessed well cap for 2" (50mm) Well Casing, 3/8" drop tube fitting with dust cover
P44	Recessed well cap for 4" (100mm) Well Casing, 1/4" drop tube fitting with dust cover
P45	Recessed well cap for 4" (100mm) Well Casing, 5/16" drop tube fitting with dust cover
P46	Recessed well cap for 4" (100mm) Well Casing, 3/8" drop tube fitting with dust cover
P100WT	Drop tubing weight kit, includes fittings for 1/4", 5/16" and 3/8" OD drop tubing
42402	Silicone rubber pump tubing, 3/8" OD x 3/16" ID (equivalent to L/S 15 size), 25' foot roll
42403	Silicone rubber pump tubing, 7/16" OD x 1/4" ID (equivalent to L/S 24 size), 25' foot roll
42404	Silicone rubber pump tubing, 1/2" OD x 5/16" ID (equivalent to L/S 35 size), 25' foot roll
P014-100	HDPE Drop tubing, 1/4" OD x 0.170" ID, 100-foot roll (use with L/S 15 tubing)
P516-100	HDPE Drop tubing, 5/16" OD x 3/16" ID, 100-foot roll (use with L/S 24 tubing)
P038-100	HDPE Drop tubing, 3/8" OD x 1/4" ID, 100-foot roll (use with L/S 35 tubing)

\* Maximum lift for any peristaltic pump is dependent on the tubing size, wall thickness and elevation above sea level

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