



PFAS-FREE DEDICATED BLADDER PUMP SYSTEMS



THE INDUSTRY'S FIRST DEDICATED PUMPS DESIGNED FOR PFAS SAMPLING

The Well Wizard ZERO and Clear dedicated bladder pump systems from QED give you the high sample accuracy and proven reliability of our standard Well Wizard pumps in a PFAS-free configuration that meets PFAS sampling program requirements and regulatory guidance. Based on our P1100 Series bladder pumps that have been in use for nearly 40 years, the ZERO and Clear models are constructed of materials that have been tested for PFAS leaching in water at the lowest available laboratory detection and reporting limits for 24 PFAS compounds.*

FEATURES

- ZERO models are made entirely without fluoropolymers, using a proprietary fluorine-free bladder developed by QED to provide exceptional flex life of up to 50 years†
- Clear models use QED's long-life DuraFlex PTFE bladder, tested and certified to be PFAS-free
- ZERO and Clear models are tested for PFAS, VOCs and SVOCs, and each pump is certified PFAS-free
- Fits into 2" ID (50MM) and larger well casings and can be installed to depths of 600 feet (183 m)
- Sample from nearly unlimited depths using optional drop tube inlet tubing and weight kits
- QED's twin-bonded HDPE tubing meets PFAS sampling requirements and is tested for VOCs & SVOCs
- ZERO models covered by QED's 5-year warranty, and Clear models covered by a 10-year warranty



Well Wizard bladder pumps tested under the US EPA's Environmental Technology Verification (ETV) program were demonstrated to be highly accurate and precise for sampling a range of VOCs. Scan the QR code to access the ETV Verification Statement and full EPA ETV report.



© Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product.

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ZERO & CLEAR

WELL WIZARD ZERO AND CLEAR PUMP SPECIFICATIONS

ZERO Pump materials:	PVC body, inlet and discharge housings, and inlet screen; polypropylene or stainless steel fittings, proprietary fluorine-free bladder, acetal check balls, EPDM O-rings	
Clear Pump materials:	PVC body, inlet and discharge housings, and inlet screen; polypropylene or stainless steel fittings, PTFE bladder, acetal check balls, EPDM O-rings	
Length:	Standard length models = 41.0" (104 CM)	Short body models = 20.0" (50 cm)
Outside Diameter:	1.66" (42mm)	
Fitting Type:	Standard pressure = polypropylene compression type	High pressure = stainless steel compression type
Tubing Diameter:	Standard length models = 3/8" OD + 1/4" OD twin-bonded discharge and air supply tubing	
	Short body models = 1/4" OD + 1/4" OD twin-bonded discharge and air supply tubing	
Inlet Housing Thread Diameter:	3/8" Female NPT	
Bladder Volume:	Standard length = 395 ml (13.4 oz, 0.10 gal)	Short body = 130 ml (4.4 oz, 0.03 gal)
Maximum operating pressure:	300 PSI (20.7 bar, 2,068 kPa)	
Maximum lift depth:	600 feet (183m)	

WELL WIZARD ZERO AND CLEAR PUMP SYSTEM COMPONENTS

37789	PVC slotted inlet screen for standard length pump models
37727	PVC slotted inlet screen for short body pump models
P5000	Twin bonded HDPE pump tubing, 3/8" OD + 1/4" OD discharge and air supply
P5200	Twin bonded HDPE pump tubing, 1/4" OD + 1/4" OD discharge and air supply Recessed well cap for 2" (50mm) and 4" (100mm) nominal ID Well Casings
C Series	Recessed well cap for 2" (50mm) and 4" (100mm) nominal ID Well Casings
2120 Series	External slip cap for 2" (50mm) and 4" (100mm) nominal ID Well Casings
37739	MicroPurge flexible well cap discharge adapter for 1/4" OD discharge tubing, 3 feet long (90 cm)
37740	MicroPurge flexible well cap discharge adapter for 3/8" OD discharge tubing, 3 feet long (90 cm)

Optional drop tube inlet kits available for sampling at depths below 600 feet or to allow use of standard pressure models at greater sampling depths. Contact QED for more information and proper selection of drop tube kits and additional weights.

* PFAS testing is conducted by soaking all pumps in water for 24 hours and collecting samples from the soak tank, along with blank samples collected during tank filling. Samples are analyzed for 24 different PFAS compounds using US EPA Method 537M, with method detection limits below 1 ng/L and reporting limits of 5 ng/L or less for most PFAS. Results must be non-detect for all 24 PFAS compounds at the laboratory reporting limits (RLs). Based on this, Well Wizard ZERO and Clear pump models should not contribute any of the 24 PFAS tested to ground water samples collected with these products.

† Based on a pump operating at 4 cycles per minute for 60 minutes and used 4 times per year. ZERO model bladders have been tested to an average of over 50,000 cycles without failure. Overall life may vary based on usage and water quality.

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