

Well Wizard® Zero and Clear Pumps for PFAS Sampling

The first dedicated sampling pumps designed specifically for PFAS sampling

Groundwater sampling programs at many sites around the world have been expanded to include sampling for Per- and Polyfluoroalkyl Substances or “PFAS” along with other potential organic and inorganic groundwater contaminants. Some regulatory guidance on PFAS sampling recommends or requires sampling systems manufactured without any Teflon or other fluoropolymer components. To meet these needs, QED introduces the Well Wizard Zero and Clear low-flow dedicated bladder pumps. The Zero and Clear models offer the proven reliability and sampling accuracy of our traditional Well Wizard pumps in designs that meet PFAS sampling requirements without compromising performance.

Well Wizard Zero pump models have **ZERO** fluoropolymers and **ZERO** PFAS and are the best choice for sites that have PFAS sampling requirements to be free of all fluoropolymers. The Well Wizard Clear models retain our time proven PTFE bladders that are tested and certified for PFAS sampling, offering superior bladder life and known chemical inertness for sites that have ultra-low level organic sampling requirements.

Unique Zero Bladder Formulation

The heart of the Well Wizard Zero pumps is a proprietary non-fluorine polymer blend bladder that’s PFAS free and suitable for sampling all organic and inorganic contaminants. The Zero bladders have been tested for compatibility with PFAS, VOC and SVOC sampling requirements as well as performance and cycle life tested for chemical resistance in aromatic and chlorinated hydrocarbons and solids handling in high turbidity water, passing all tests without premature failure. The Zero bladder testing demonstrates much longer life and greater performance than HDPE bladders – so much better that it’s covered by a five-year warranty, an industry exclusive.

Pump Certification Program

All Well Wizard Zero and Clear models are tested for PFAS along with our standard certification for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) using independent laboratory analysis at the lowest available analytical reporting limits. Testing is the only way to assure that products won’t leach PFAS into samples – don’t accept anything less.

Well Wizard Zero and Clear pump materials and performance

- Well Wizard Zero pumps (all model numbers with Z suffix) use the standard 1100 Series PVC pump body, inlet and discharge head assemblies with polypropylene fittings, acetal check balls, EPDM O-rings and proprietary non-fluoropolymer bladder, certified PFAS-free. Zero models are marked with the “Zero” name on the pump head.
- Well Wizard Clear pumps (all model numbers with C suffix) use the standard 1100 Series PVC pump body, inlet and discharge head assemblies with polypropylene fittings, acetal check balls, EPDM O-rings and use QED’s proven Dura-Flex PTFE bladder, certified PFAS-free. Clear models are marked with the “Zero” name on the pump head.

Zero and Clear model pumps are available in standard pressure configurations for applications where pump depth is 250 feet or less, while high pressure models can be used to 600 feet pump depth. Both standard and high pressure models can be used with drop tube inlet kits to extend the pump intake to nearly unlimited sampling depths (where water levels are less than 600 feet below ground surface).