

Dedicated Bladder Pump Comparison Checklist

Pump Features and Benefits	WELL WIZARD®	Other
1. <u>#1 in long-term pump reliability</u> , based on actual performance of over 70,000 pumps over 19 years?	YES	
2. <u>Wide range of diameters, lengths, depths</u> - diameters as small as ¾", lengths as short as 15", depths to 1000 ft.?	YES	
3. <u>Choice of materials</u> to match well conditions, including all-Teflon and all-PVC models for sites where metals are undesirable due to corrosion or contamination potential?	YES	
4. <u>Top grade materials</u> , such as 316 SS or premium grade Teflon, used consistently throughout pump construction, including fittings?	YES	
5. <u>Ultra long-life bladder</u> , using special grade Teflon formulation, with heavy-gauge, highly uniform wall thickness, and extra processing to prevent splitting across high stress fold lines created during bladder squeeze cycle? Bladder rated to over 200,000 cycles, equivalent to over 200 years of typical quarterly sampling?	YES/YES	
6. <u>Zero leakback check valves</u> to maintain consistent flow even at very low rates, and prevent drainback suction from drawing air into the sample tube and flow cell, thereby giving false DO readings and obscuring purge stabilization?	YES	
7. <u>Premium compression tubing fittings</u> , not cheaper barb fittings, to consistently provide leak tight, high pullout strength connections without internal flow constrictions, yet allow easy disconnection/reconnection when needed?	YES	
8. <u>Heavy-duty center rod</u> inside to prevent bladder lockup and bladder chafe failures by keeping bladder firmly centered within pump body?	YES	
9. <u>High capacity inlet screen</u> to provide extra surface area to help avoid flow restriction due to silt or deposits; extra-long screen to hold inlet above silt in difficult applications?	YES	
10. <u>Corrosion protection detail</u> - all welds and small fasteners use materials consistent with overall pump, for maximum corrosion protection?	YES	
11. <u>Electropolishing "micro-cleaning"</u> of all SS components to remove impurities and machining residues and passivate surface for maximum corrosion protection?	YES	
12. <u>Complete factory testing</u> of performance and leak-tightness, first during pump assembly and secondly as completed pump/tubing/cap assembly?	YES	
13. <u>Full accessory offering</u> , to meet site needs such as freezing, extended inlet tubes, in-line exhaust for deep wells, high purity flex discharge tubes?	YES	
14. <u>Bonded tubing</u> with close tolerance OD, wall thickness and bonding ridge, to ensure leak-tight connections with high pullout strength?	YES	
15. <u>Tubing inserts inside tube ends</u> to prevent Teflon tube lining from delaminating and blocking flow, and to provide failsafe support of tube ID for exceptional pullout strength connections without the expense and complications of support cables?	YES	
16. <u>All pumps certified clean</u> by actual test as standard procedure for over 15 years, with laboratory results on record?	YES	
17. <u>Pre-assembled and purity-packaged</u> pump/tubing/cap sets, to your specifications for easy, rapid, contamination-free installation?	YES	
18. <u>Custom boxes</u> for all pump/tubing/caps sets, grouped per customer preference and marked with well IDs to allow easy, in-sequence installation?	YES	
19. <u>First 10-year warranty</u> , originating in 1990 based on actual, long-term, widespread experience?	YES	

More...

Dedicated Bladder Pump Comparison Checklist *Continued...*

Controls	WELL WIZARD®	Other
20. <u>Simple flow control</u> with digital display and "faster/slower" keys to attain initial low-flow rates, and using setting recall feature during later sampling events, based on provided well ID tags?	YES	
21. <u>Compact, lightweight, rugged pump controllers</u> , with models rated up to 500 psi/1000 ft pump depth, designed with 19 years experience for low maintenance?	YES	
22. <u>New, automated drawdown control</u> linked to pump controller, insuring that wells are not drawn down too far during purging?	YES	
23. <u>Automated multi-parameter flow cell</u> with Purge Scan feature providing audible and visual signals at completion of purge parameter stabilization, with full user control of stabilization criteria?	YES	
24. <u>Full range of power options</u> , including combination pump control and power backpack, CO ₂ and nitrogen tank accessories, and compressors powered by propane, gasoline and 12 V DC?	YES	
Customer Support	WELL WIZARD®	Other
25. Number of factory staff of ground water sampling specialists for site-specific questions and system design?	11	
26. Number of experienced, factory-trained field representatives for local assistance and training?	24	
27. Factory staff of OSHA-certified field service technicians for installation and troubleshooting?	YES	
28. Extensive web site resources with technical drawings, equipment manuals and troubleshooting, available anywhere anytime?	YES	
29. 24/7 toll-free technical support by experienced professionals?	YES	
30. High level participation in ground water sampling technology activities, including regulatory, academic and ASTM, available to assist customers?	YES	
31. 19-year history of investment in developing new products for ground water sampling, to meet your future needs?	YES	



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