

1000 Series Transducer - Features & Benefits Table

Flexible diaphragm	Allows easy cleaning without risk of damaging the diaphragm. Rigid diaphragms can be nicked during maintenance causing non-linear or inaccurate operation. A nicked diaphragm can never be properly calibrated.
Teflon coated diaphragm	Reduces the possibility of solids building up and becoming attached to the sensing diaphragm. This allows the unit to remain accurate and reduces the need for maintenance.
2 5/8" protruding diaphragm	No cavity or small orifices for solids to build up in. This allows the unit to remain accurate and reduces the need for maintenance.
Rugged Housing	The housing is made of Teflon coated 316 stainless steel that resists the corrosive environment of wastewater. The heavyweight design resists turbulence in wet wells, and its shape sheds debris making it easier to pull out for service.
High Strength cable	The cable is one of the industries strongest. This eliminates installation concerns by allowing the cable to be pulled through conduits without fear of stretching or tearing. The tough cable jacket resists abrasions, rips, tears, and animal/insect chewing.
Rigid breather tube	The breather tube is made of hard plastic that cannot be kinked to a point that obstructs air movement in the cable. This makes the unit more installation friendly and eliminates the possibility of losing barometric compensation from poor installation.
Sealed Breather system	The breather system is a closed system. Using the same air for barometric compensation eliminates the possibility of electronics damaging or mold producing moisture from getting into the system. Unlike desiccant systems, this system requires no maintenance.
.25% FS accuracy	High accuracy provides precise control of wet well level making sure the system operates reliably within a tight tolerance.
Intrinsic safety rated	FM and CSA approved for use in Class 1, Div 1 Groups A, B, C, and D with approved barrier. Allows the sensor to be used in areas classified as hazardous.
Wide temperature range	The unit is rated for operation from -40 to +185 deg. F allowing the unit to operate year around without concern for maintaining a warm operating environment.
Integrated 4-20 mA output	Industry standard electronics packaging without the need for an external signal-conditioning module. Allows the unit to be easily used with most PLCs, RTUs and pump controllers.

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