

SENTINEL™

DIAPHRAGM SEALS

Isolate and Protect Process System Instrumentation

Without proper protection, process fluids regularly contaminate and damage in-line system instrumentation. The strength and durability of SENTINEL diaphragm seals isolate and protect all forms of system instrumentation from the hazards of corrosive process fluids.

- Protect gauges and other system instrumentation from process fluid contamination and corrosion
- Accurately transfer process pressure without direct contact with process fluids
- Prevent erratic pressure surges and clogging due to solids in process fluids
- Protect gauges from freezing and slurries
- Ensure accuracy and reliability of pressure instrumentation when working with corrosive or solids-laden fluids
- Reduce costs by replacing expensive gauges with low-cost utility gauges

Unconditionally Guaranteed

SENTINEL Diaphragm Seal housings and diaphragms are unconditionally guaranteed for life not to fail or we'll replace them at absolutely no cost to you.



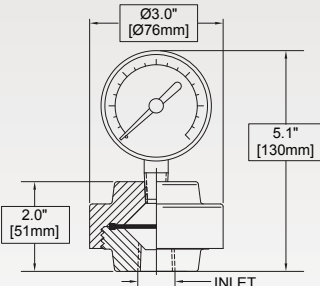
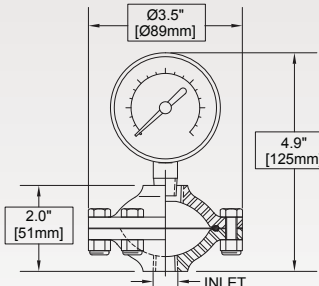
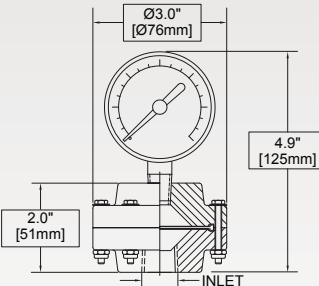
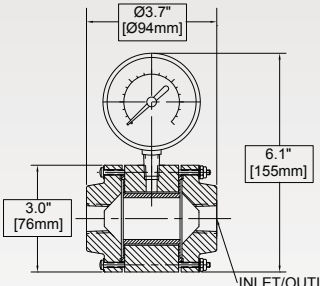
Don't Pump Without Us



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SENTINEL Diaphragm Seals are easily installed, come in a variety of chemically resistant materials, and work in both pressure and vacuum conditions.

CPVC & PVC		Metals		Polypropylene & PVDF		Flow Through	
							
Housings	Diaphragms	Housings	Diaphragms	Housings	Diaphragms	Housings	Diaphragms
CPVC PVC	EPDM PTFE Viton	316L Stainless Steel Alloy 20 Hastelloy C	EPDM PTFE Viton	Polypropylene PVDF	EPDM PTFE Viton	Polypropylene PVC PVDF	EPDM Viton
Inlet Sizes		Inlet Sizes		Inlet Sizes		Inlet Sizes	
Up to .75 in		Up to .5 in		Up to .75 in		Up to 1 in	

SENTINEL Diaphragm Seals, also referred to as 'gauge guards', employ a chemically resistant diaphragm to effectively isolate process fluids from gauges and other system instrumentation. The durable diaphragm allows SENTINEL to accurately transfer process pressure without direct contact with hazardous or corrosive process fluids.

- Pressure ranges up to 1,000 psi (68.9 bar)
- Gauge accuracy of $\pm 2\%$ or better full deflection
- All standard models in stock with custom models on request
- FNPT, BSP, Socket Weld and Flange inlet types
- Available with and without gauges

Unconditional lifetime guarantee excludes gauges and other instrumentation. Certain types of customer-provided instrumentation may be factory installed; consult BLACOH for quote.



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Contact your local BLACOH distributor:

PULSATION DAMPENERS ■ SURGE SUPPRESSORS ■ INLET STABILIZERS ■ DIAPHRAGM SEALS/GAUGE GUARDS ■ BACK PRESSURE/PRESSURE RELIEF VALVES ■ LEAK CONTAINMENT/SPILL PREVENTION SYSTEMS

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