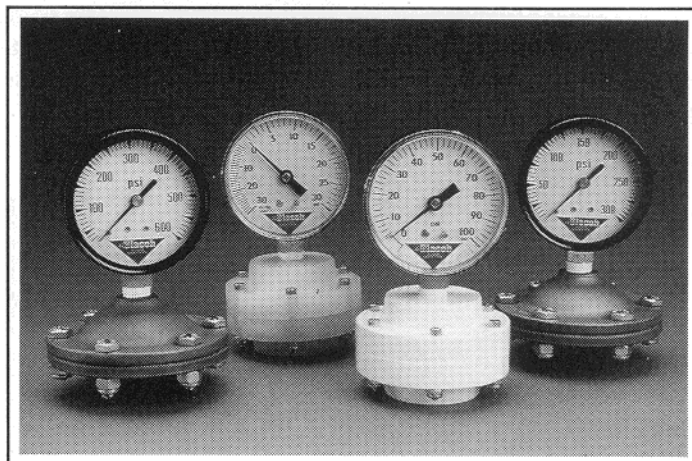


# SENTINEL

## GAUGE ISOLATORS



Blacoh Fluid Control's family of chemical resistant SENTINEL Gauge Isolators protect pressure and vacuum instruments from process fluids. Strength and durability of design makes the SENTINEL Isolator the clear choice in gauge protection. Accurate and consistent readings can be taken from corrosive or slurry laden fluids using low cost utility gauges. SENTINEL Isolators are available in plastics and metals; pre-assembled with a temperature stable glycerine filled chamber and gauge, or unfilled without a gauge.



### BENEFITS

- Ensure gauge and switch accuracy
- Smooth out erratic pressure surges
- Longer pressure gauge and switch life
- Eliminate clogging from suspended solids
- Protect gauges from freezing and slurries
- Balanced diaphragm design for longer life
- Isolate utility gauges from corrosive fluids
- Protect fluids from metal contamination

### FEATURES

- Gauge accuracy of  $\pm 2\%$  full deflection
- Pressure ranges up to 1000 PSI
- Hydraulic transfer of fluid pressure
- Ideal for pressure and vacuum applications
- Simple and quick tee installation
- Six chemical resistant body materials
- Standard 1/4" inlet port with 1/2" option
- All models available from stock

The standard gauge used on the plastic and metal SENTINEL Isolator is an unfilled utility gauge constructed with an ABS case, acrylic lens and brass connection. Other gauges are available including stainless case and connection.

### OPERATION

SENTINEL Gauge Isolators have a diaphragm sealed between the two isolator housings, isolating a gauge or pressure switch from the process fluid. The gauge side (non-process side) housing contains temperature stable glycerine, which hydraulically transfers the system pressure from the diaphragm to the gauge or switch.

### MATERIALS

HOUSINGS (wetted and non-wetted)				DIAPHRAGMS	
PLASTICS	SERIES	METALS	SERIES		
POLYPROPYLENE	GP	316 STAINLESS STEEL	GS	EPDM	E
PVC	GC	ALLOY 20	GA	VITON	V
PVDF	GK	HASTELLOY C	GH	TEFLON	T