

Furon® Gauge Protector

Single & Double Diaphragm, Molded



Operation

Furon® Gauge Protectors isolate metal pressure gauges and transducers from potentially damaging media, protecting downstream equipment. The Gauge Protector utilizes a PTFE diaphragm to isolate the process chemistry from the filler fluid. Double-diaphragm Gauge Protectors offer dual containment protection against aggressive or high-temperature process chemistries. Innovative design features dual fill ports for the isolation media, allowing for easy fill and purge. A variety of isolation media may be used, including glycerin, DI water, and IPA/DI mixtures. Patent pending leak detection ports may be used to purge the process media. Furon® Gauge Protectors are 100% metal and elastomer free, contributing to longer product life and significantly reducing the potential for leakage or contamination. A wide variety of configurations is available to accommodate the requirements of virtually any application. Options include flow-through tees which are fuse-bonded to eliminate the potential for thread leakage, pressure transducers with digital display, and custom end connections.

Applications

- Commonly used to indicate remaining filter life
- Isolates metal pressure gauges or transducers from corrosive or aggressive media
- Protects high-purity media from potential contamination caused by pressure gauges or transducers
- Eliminates media hold-up volumes common in gauges and transducers
- Meets the high purity requirements of the semiconductor, pharmaceutical, and life sciences industries

Features/Benefits

- Isolates metal gauge or pressure transducer from media
- 100% non-metallic construction
- All high purity molded PFA body; PTFE diaphragm
- Proprietary diaphragm seals with no hold up volume or elastomers
- Easy fill/bleed dual fill ports
- Optional fill kit available
- Variety of mounts optional including fuse bonded flow-thru tee option
- Optionally available with gauge or pressure transducer installed
- Patent Pending leak detection design

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Ordering Information

SINGLE DIAPHRAGM

PART NO.	PORT SIZE/ END CONNECTION	GAUGE MOUNTING	STAINLESS STEEL GAUGE RATING	FILLER FLUID
GPMSO-144-0-0	1/4" FNPT	1/4—18 FNPT	WITHOUT GAUGE	N/A
GPMSF-144-A-DI	1/4" FNPT	1/4—18 FNPT	0—15 PSIG	DI WATER
GPMSF-144-B-DI	1/4" FNPT	1/4—18 FNPT	0—30 PSIG	DI WATER
GPMSF-144-C-DI	1/4" FNPT	1/4—18 FNPT	0—60 PSIG	DI WATER
GPMSF-144-D-DI	1/4" FNPT	1/4—18 FNPT	0—100 PSIG	DI WATER
GPMSF-144-E-DI	1/4" FNPT	1/4—18 FNPT	0—160 PSIG	DI WATER

DOUBLE DIAPHRAGM

PART NO.	PORT SIZE/ END CONNECTION	GAUGE MOUNTING	STAINLESS STEEL GAUGE RATING	FILLER FLUID
GPMDO-144-0-0	1/4" FNPT	1/4—18 FNPT	WITHOUT GAUGE	N/A
GPMDF-144-B-DI	1/4" FNPT	1/4—18 FNPT	0—30 PSIG	DI WATER
GPMDF-144-C-DI	1/4" FNPT	1/4—18 FNPT	0—60 PSIG	DI WATER
GPMDF-144-D-DI	1/4" FNPT	1/4—18 FNPT	0—100 PSIG	DI WATER
GPMDF-144-E-DI	1/4" FNPT	1/4—18 FNPT	0—160 PSIG	DI WATER

Specifications and Performance

- Maximum Media Temperature: 302 F (150 C)
- Maximum Pressure: 120 psig (827 kPa) at room temperature
- Accuracy: 5% of full scale (when ordered with gauge or transducer installed)
- End connection: 1/4" FNPT
- Gauge port: 1/4" FNPT

Options

- Flow-through tee - fuse bonded to Gauge Protector to eliminate the potential for thread leakage
- Pressure transducer with LCD readout in Pascal and PSIG
- Special fill fluids
- Custom end connections

NOTES

* Gauge protector accuracy performance directly related to the amount of air trapped while filling the gauge and pressure transducer chamber. Minimum gauge accuracy of 5% of full scale when filled by Furon Fluid Handling Product manufacturing facility. Units filled by customer may result in varied level of accuracy.

Saint-Gobain Performance Plastics-USA

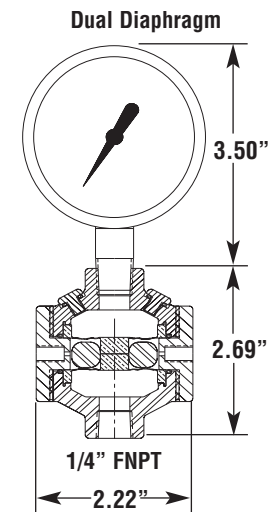
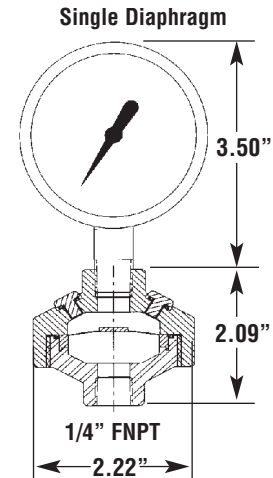
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