

# GPIL In-line Gauge Protector

## Product Overview

The PFA In-line Gauge Protectors are designed for use in high purity semiconductor applications, and are also ideally suited for use in ultra-pure water and aggressive chemicals. The in-line design allows for quick cut-in installation and helps prevent entrapment of fluids. They are offered with or without a gauge. They can be fitted with factory supplied gauges and can also be fitted with customer specified or customer supplied gauges upon request.

## Features

One piece precision machined diaphragm manufactured from the latest technology modified PTFE, provides over five times the flexural life as compared to conventional PTFE.

Modified PTFE and PFA wetted surfaces.

Tongue and groove diaphragm to body seal.

Suitable for pressure, vacuum, and dual range operation.

In-line operation.

## Benefits

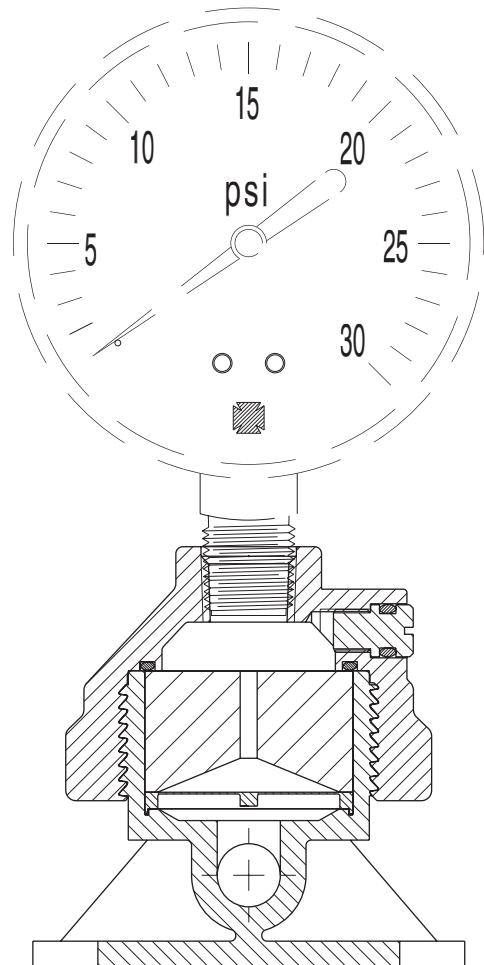
Higher cycle life resulting in less downtime and lower replacement costs.

Eliminates contamination and fluid compatibility issues.

Assures barrier between operating fluid and isolation media.

Reduces number of device installations for varying pressure ranges.

Reduces connections and entrapment areas.



## Specifications

Materials of Construction:

- Wetted Surfaces - PFA, Modified PTFE
- External Surfaces - PFA, PVDF, EPR (Fill screw seal)

Pressure Range:

27" Hg vacuum (913 mbar) to 160 PSIG (11 bar)

Pressure ranges above are for operation at ambient temperature. For use at higher temperatures consult Pressure/Temperature chart on page 3.

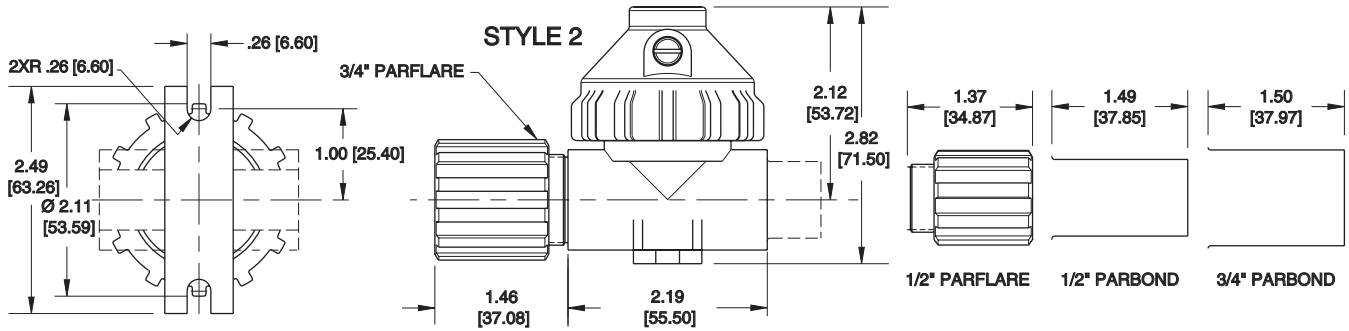
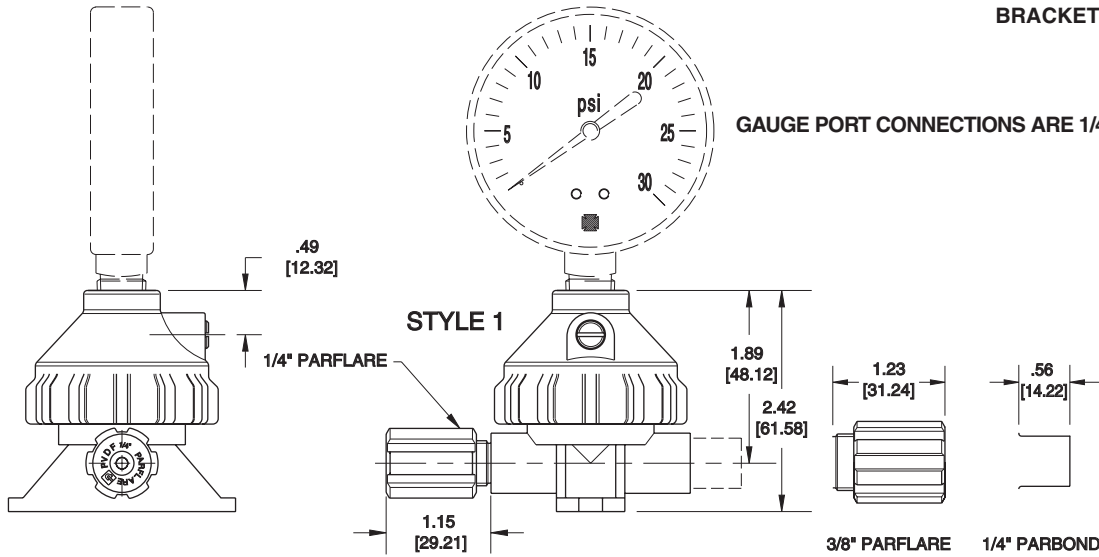
Temperature Ranges:

- 0° - 212° F (17° - 100° C) Ambient
- 0° - 400° F (17° - 204° C) Fluid

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BRACKETED DIMENSIONS  
ARE IN mm.

GAUGE PORT CONNECTIONS ARE 1/4-18 FNPT



Model Number	Housing Style	Port Configuration	Gauge Pressure (PSIG)-XX
GPIL-6644-XX	1	1/4" Parflare	00 = NONE 01 = 0-30 PSIG 02 = 0-60 PSIG 03 = 0-160 PSIG
GPIL-6666-XX	1	3/8" Parflare	
GPIL-7744-XX	1	1/4" Parbond	
GPIL-6688-XX	2	1/2" Parflare	
GPIL-661212-XX	2	3/4" Parflare	
GPIL-7788-XX	2	1/2" Parbond	
GPIL-771212-XX	2	3/4" Parbond	

**Isolation Fluid:** 50/50 mix of deionized water and isopropyl alcohol (Standard unless otherwise specified.)

**Factory Gauge:** 2-1/2" dial  
 Brass movement  
 Steel case  
 Glass lens  
 1/4" MNPT lower mount