

Our **iPolymer PTFE Body Gauge Isolator** protects (Isolates) a pressure gauge or other pressure sensor from the effects of corrosive media and prevents contamination of ultra-pure liquids.

The Gauge Isolator consists of an All-PTFE body, containing a close tolerance machined cavity and a FEP diaphragm. The upper portion of the cavity is filled with a solution, such as glycerin, silicone or DI water.

Media pressure applied to the bottom side of the FEP diaphragm is transmitted through the solution filled cavity to the gauge, providing accurate readings while isolating the gauge from the media. Gauge fluctuation is minimized by the combination of the diaphragm design and the solution filling the upper portion of the Gauge Isolator.

### Features:

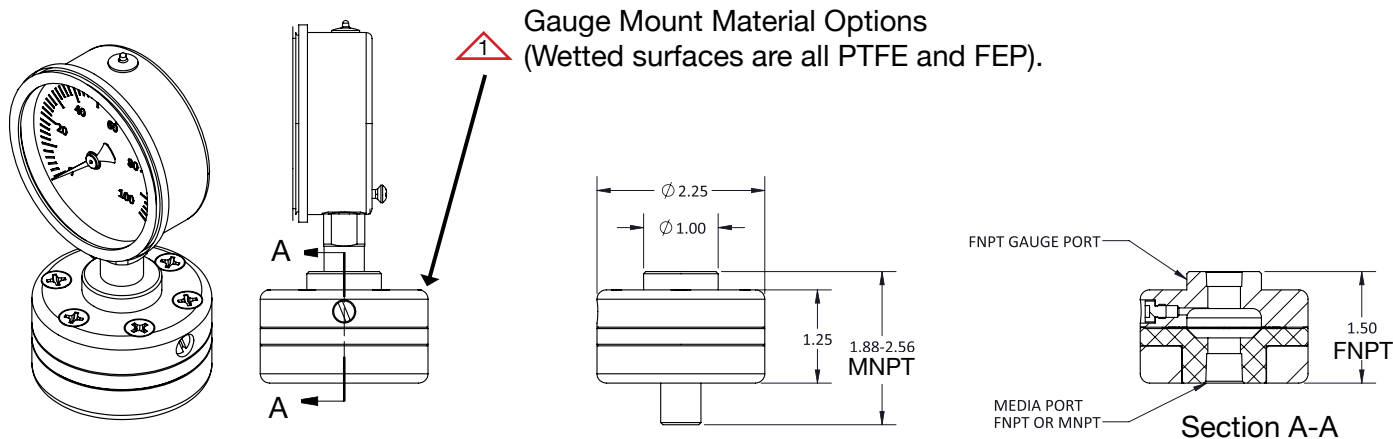
- PTFE and FEP Wetted Parts
- Chemically Inert
- Corrosion-Resistant
- Supplied with or without Gauge
- Highly Sensitive
- User specified upper body material

- Call iPolymer with your special application. We can custom fit most any Pressure Transducer to our Gauge Isolator.



### Specification:

<b>Sensitivity</b>	6.9 kPa	1 psi (2" Hg)
<b>Diaphragm Displacement</b>	0.5 ml	0.02 oz
<b>Internal Fill Volume</b>	4.0 ml	0.14 oz
<b>Ambient Temperature (for Glycerin &amp; DI Water fill)</b>	4°C to 93°C	40°F to 200°F
<b>Ambient Temperature (for Silicon &amp; Glycol)</b>	-10°C to 110°C	15°F to 230°F
<b>Maximum Media Temperature</b>	-30°C to 160°C	-22°F to 320°F
<b>Maximum Operating Pressure (see installed gauge for rating)</b>	6.9 bar	100 psi



Gauge Mount Material Options  
(Wetted surfaces are all PTFE and FEP).

### Gauge Isolator: ORDERING FORMAT

**GI - POL - 4 4 - DI - 100**

Only to be used when ordering an Isolator with Gauge

**Gauge Mounting**

- POL = Polypropylene
- PVDF = Polyvinylidene fluoride
- PVC = Polyvinylchloride
- TFM = Dyneon-1600 Enhanced PTFE

**Gauge Port & Mounting Orifice**

**Gauge Type (psi)**

- Top Mounted:*
- 03C = 0 to 30 psi Copper Alloy (113.13)
  - 06C = 0 to 60 psi Copper Alloy (612.20)
  - 06S = 0 to 60 psi Stainless Steel (131.11)
  - 01C = 0 to 100 psi Copper Alloy (111.11)
  - 01S = 0 to 100 psi Stainless Steel (232.30)
- Center Back Mounted:*
- 01CBM = 0 to 100 psi (111.12)

**Fluid Designator**

- S = Silicon
- G = Glycerin
- DI = DI Water
- E = Ethylene Glycol

Our standard gauges are WIKA brand and Glycerin filled unless requested otherwise.

REF	@ Media Port	@ Gauge Port
4 4	1/4" FNPT	1/4" FNPT
4 2	1/4" FNPT	1/8" FNPT
2 4	1/8" FNPT	1/4" FNPT
2 2	1/8" FNPT	1/8" FNPT
4M 4	1/4" MNPT	1/4" FNPT
4M 2	1/4" MNPT	1/8" FNPT
2M 4	1/8" MNPT	1/4" FNPT
2M 2	1/8" MNPT	1/8" FNPT

**iPolymer Product Notes:**

1. Please email Customer Service at info@ipolymer.com
2. Call us for special applications. We can manufacture our Gauge Isolators with special mounting and interface dimensions.
3. Upon request, alternate material selection from those listed will allow for expanding temperature ratings or other performance characteristics.
4. Unauthorized disassembly of this product will void the original factory one-year product warranty. For further details please contact your local Distributor or our factory directly.