



SERIES GGMU ULTRAPURE GAUGE GUARD

Eliminates Dead Leg

FEATURES/BENEFITS:

- Non-contaminating, non-pigmented virgin Polypropylene or Kynar® (PVDF) material.
- PVC also available, if desired.
- In-line design eliminates “dead-leg” that can harbor bacterial growth and other contamination.
- True union ends enable easy installation and removal.
- Flexible elastomer spool assures accurate readings for pressure or vacuum.
- Bleed port assures trouble-free filling.
- Unique Plast-O-Pure® gasket assures crevice-free sealing of the end connectors.
- Food grade elastomers available on request.
- Various piping connectors are available to adapt to most connection systems existing in the marketplace.
- High quality 2 1/2" stainless steel gauge

DESIGN & OPERATION:

Series GGMU utilizes a flexible elastomer spool which separates process liquid from gauge or instrument fill liquid. This spool accurately transmits pressure or vacuum from the process liquid to instrument fill liquid which in turn registers on the gauge. A bleed plug enables gauge guard to be totally filled with liquid, thereby eliminating air bubbles which would decrease accuracy of pressure reading. All sealing points of spool and end connectors are sanitary style to eliminate the possibility of any small wetted cavities within the assembly.

MATERIALS OF CONSTRUCTION:

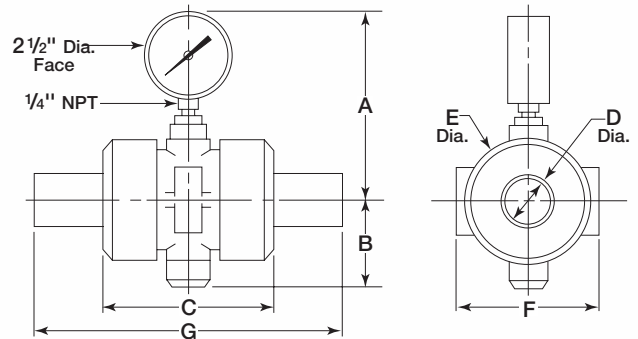
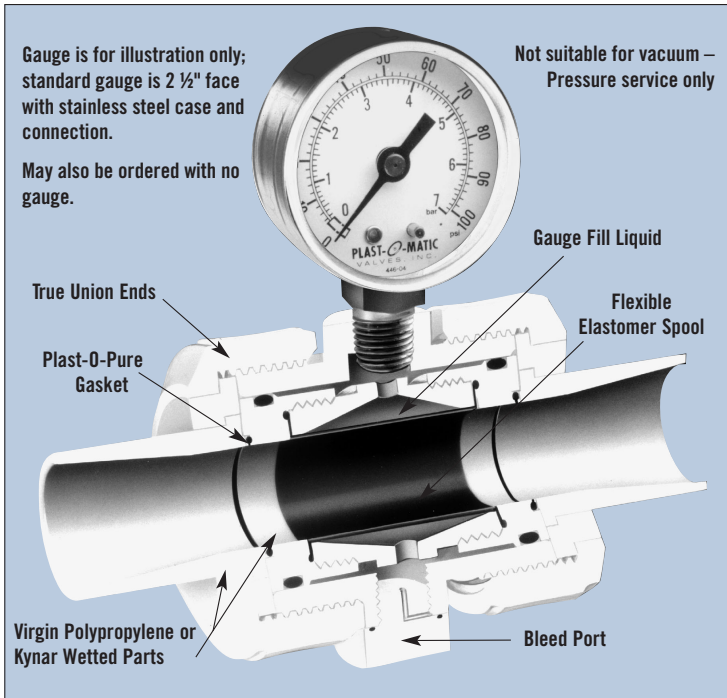
Non-wetted gauge guard body and external parts are unpigmented virgin polypropylene. Internal wetted parts and end connectors are either virgin polypropylene or Kynar® PVDF. PVC also available if desired, depending upon the material of the piping system. Elastomers are available in FKM (Viton) or EPDM.

APPLICATION:

The Series GGMU gauge guards are designed for ultra-pure liquid systems and specifically to eliminate piping “dead-leg” that can harbor bacterial growth or other contamination. This is in addition to their basic function of keeping system liquid from coming in contact with a pressure (vacuum) gauge or other pressure instrument while still maintaining the accuracy of the gauge or instrument.



DIMENSIONS & ORDERING INFORMATION



GAUGE GUARD DIMENSIONS												
Pipe Size	A		B		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
20mm or 1/2"	4.52	115	1.87	47	3.83	97	0.85	22	2.77	70	3.20	81
25mm or 3/4"												
32mm or 1"												
50mm or 1 1/2"	5.38	136	2.64	67	4.64	118	1.48	38	4.02	102	4.05	103
63mm or 2"												

Note: 1/4" NPT instrument connection is standard on all Ultra-Pure gauge guards. For other size requirements consult factory.

Pipe Size	"G" DIMENSION			
	Metric		IPS (Schedule 80)	
	Code 1		Code 3	
	inches	mm	inches	mm
20mm or 1/2"	6.75	171	7.05	179
25mm or 3/4"	6.88	175	6.85	174
32mm or 1"	6.69	170	6.69	170
50mm or 1 1/2"	8.50	216	9.25	235
63mm or 2"	8.50	216	9.25	235

HOW TO ORDER / CONFIGURING A PART NUMBER:

The chart below provides a simple process to express any of the 420 possible part number configurations for Ultrapure Gauge Guards. Using the example below as a guide, work from left to right: An Ultrapure gauge guard [GGMU] with Viton spool and seals [V], 0-100 psi gauge [100], Kynar wetted parts and connections – this code goes between dashes – [-PF-] having a nominal pipe size of 32mm [C] and the piping system is Metric [1]. Final model number in this example is **GGMUV100-PF-C1**.

