

Series PGG

Pressure Gauge and Guard



The Penguin plastic gauge guard is a compact, molded design consisting of two threaded fluid chambers. There is no possibility of leakage due to uneven screwed components.

Both pieces contain a matching groove which confines the true O-ring incorporated on the OD of the impermeable diaphragm.

A bleed plug and O-ring are included in the design for proper filling of the incompressible liquid in the gauge side chamber.

Features:

Choice of materials:

Body: CPVC, Natural Polypropylene or Natural PVDF

Diaphragm: Viton or EPDM

Maintains system purity; no possible leakage

No clumsy metal fasteners

Impermeable diaphragm with integral O-ring

Bleed port for filling helps eliminate air

Flats on both threaded fluid chambers for proper tightening

No metal contact with solution

Recommended Applications:

Protect and isolate pressure sensing instruments from corrosive process media and vibration

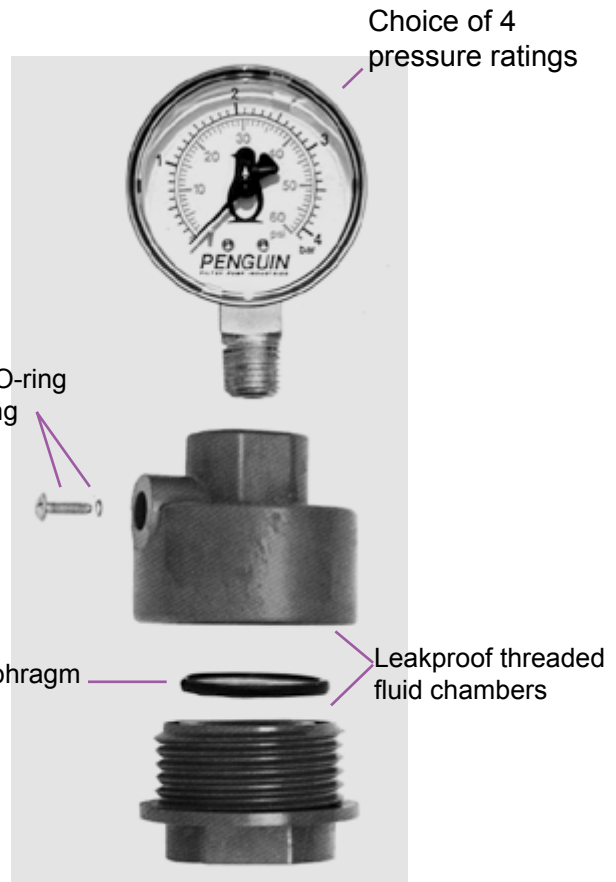
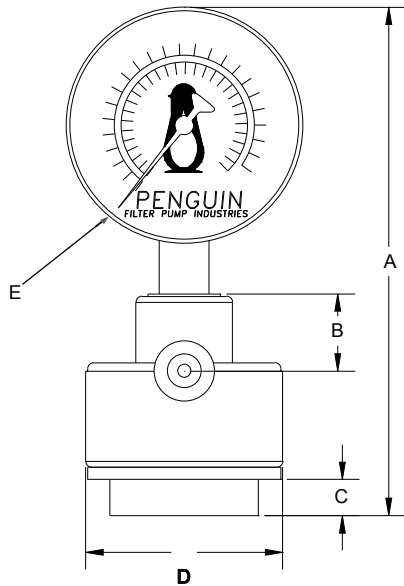
This prevents air entrapment, thus providing an accurate reading with no needle vibrations.

The choice of materials permits these gauge guards to be utilized on highly corrosive and ultra-pure solutions. Gauge guards are available preassembled at the factory with pressure ratings of 0-30, 0-60, 0-100 or 0-160 (PSIG). Guards can also be purchased separately from gauges.

The instrument connection is 1/4" NPT. The process connection is 1/4" or 1/2" NPT.

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Dimensions

Model	A	B	C	D	E
PGGA	5 1/2	7/8	3/8	2 1/4	2 3/8
PGGB					
PGGC					

Specifications

Model	Instrument Connection	Process Connection	Dimensions			
			Ht	Wth	Lth	Wt
PGGA	1/4" FPT	1/2" or 1/4" FPT	7 1/2	4 1/4	3 3/4	1
PGGB						
PGGC						

Nomenclature

PGG	-	A	-	060	-	1/4
Penguin		Construction material/		Pressure		Process
Gauge		O-ring elastomer material		Gauge rating		Connection
Guard		A = CPVC/Viton		(PSIG)		NONE = 1/2" FPT
		B = Polypropylene/Viton		030 = 0-30		1/4" = 1/4" FPT
		C = PVDF/Viton		060 = 0-60		
				100 = 0-100		
				160 = 0-160		