



Process Gauges

XR-Series All-welded Process Gauge and Diaphragm Seal

DESCRIPTION

AMETEK's XR-Series All-welded Gauge and Seal offers customers a lower cost alternative to an individual gauge and diaphragm seal with the added benefit of a reduction in potential leaks. Our high quality, rugged SOLFRUNT® 1981 (SST internals) or SOLFRUNT® 1986 (Monel® internals) gauge is mounted and welded onto our M&G XR Diaphragm Seal. These units are in inventory and available for quick delivery. Please contact Customer Service for more information at 727-536-7831.

The standard diaphragm seal is available with either 316L SST or Monel wetted parts, and has an 1/2 NPT male bottom for the process connection. Other connections and materials are available, such as Hastelloy® C body and diaphragm or Tantalum diaphragm.

FEATURES

- All-welded seal-to-gauge design and **seamless** Bourdon tube provides fewer leak paths than competitive models
- Reduced installation cost
- Tamper resistance design
- Compact size to fit into applications with space restrictions

APPLICATIONS

- Chemical and petrochemical processing plants
- Petrochemical refineries
- General processing such as food and pharmaceutical

SPECIFICATIONS

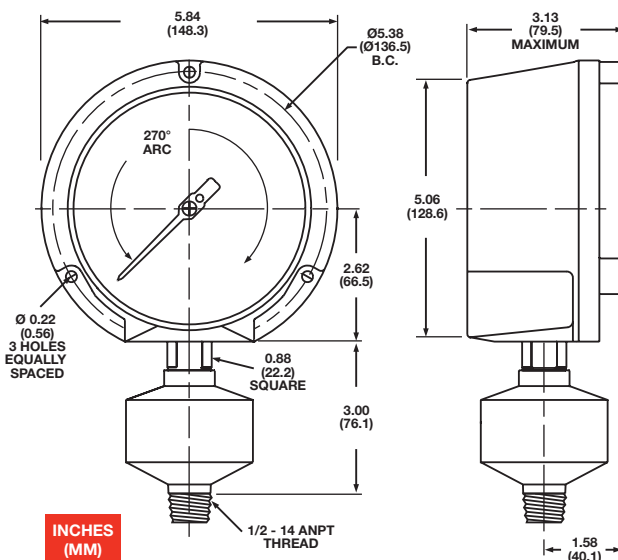
GAUGE: Model 1981 with PET case, 316L SST socket and 316L SST seamless Bourdon tube, or Model 1986 with PET case, Monel® socket and Monel® seamless Bourdon tube

RANGES: From 0 to 30" Hg VAC to 0 to 5000 psi

PROCESS CONNECTION: 1/2 NPT male connection standard, other connections available upon request

SEAL WETTED PARTS: 316L stainless steel, Monel®, HASTELLOY® C bodies; 316L stainless steel, Monel®, HASTELLOY® C and Tantalum diaphragms; other materials available upon request

SEAL FILL FLUID: DC Silicone 200 cs standard; other fills available upon request





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316L Stainless Steel SPEC NUMBER SELECTION CHART

XR-81 Liquid Fillable* with All Welded Seal	
Model	XR-81 LX (Fill Ready)
Pressure Gauge Size	4-1/2"
Pressure Gauge Internals	316L Stainless Steel
Diaphragm Seal Material	316L Stainless Steel
Process Connection	1/2" NPT male
Range	Spec No.
30" Hg	170016SSL
30"-0-15 psi	170017SSL
30"-0-30 psi	170018SSL
0-15 psi	170022SSL
0-30 psi	170023SSL
0-60 psi	170024SSL
0-100 psi	170025SSL
0-160 psi	170026SSL
0-200 psi	170027SSL
0-300 psi	170028SSL
0-400 psi	170029SSL
0-600 psi	170030SSL
0-800 psi	170031SSL
0-1000 psi	170032SSL
0-1500 psi	170033SSL

Diaphragm seal filled with silicon standard. Other fill fluids, such as Halocarbon also available. Please contact Customer Service for more information.

* This gauge is shipped dry, in a fill-ready case. Gauges can be ordered already filled at the factory with glycerine, silicone DC-200 or mineral oil. Please contact Customer Service at 727-536-7831 for more information.

Other XR-Series Products Include:

XR-656 Open Front 4" All SST Process Gauge and XR Diaphragm Seal, and XR-659 Solid Front 4" All SST Process Gauge and XR Diaphragm Seal.

Additional options include a flanged XR-Seal, restrictor on gauge socket, and capillaries.

Monel® SPEC NUMBER SELECTION CHART

XR-86 Liquid Fillable* with All Welded Seal	
Model	XR-86 LX (Fill Ready)
Pressure Gauge Size	4-1/2"
Pressure Gauge Internals	Monel®
Diaphragm Seal Material	Monel®
Process Connection	1/2" NPT male
Range	Spec No.
0-30" Hg VAC	170060KSL
30"-0-15 psi	170061KSL
30"-0-30 psi	170062KSL
0-15 psi	170066KSL
0-30 psi	170067KSL
0-60 psi	170068KSL
0-100 psi	170069KSL
0-160 psi	170070KSL
0-200 psi	170071KSL
0-300 psi	170072KSL
0-400 psi	170073KSL
0-600 psi	170074KSL
0-1000 psi	170075KSL
0-1500 psi	170540KSL

Monel® is a registered trademark of Inco Alloys International, Inc.

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AMETEK®

ISO 9001:2000
CERTIFIED

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Specifications are subject to change without notice. Visit our Web sites for the most up-to-date information.
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