

Instrument Isolation Gauge Block

An isolate/vent gauge block for pressure gauges/ instruments with screwed connections

General Application

The A27M is part of the Anderson Greenwood Modular Mounting System and is used for pressure measurement applications for pressure gauges with screwed connections. Mesc SPE: 60.98.55/200.

TECHNICAL DATA

Materials

AISI 316 SS

Connections
Instrument:

Threaded adaptor

Process:

1/2" monoflange to ANSI B16.5

Vent:

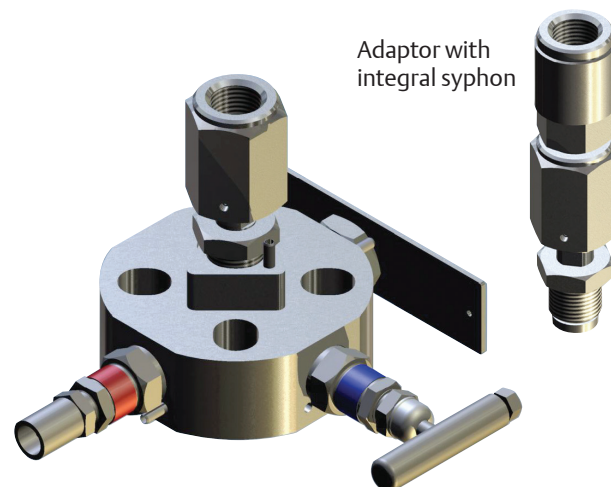
G^{1/4}" parallel threaded

Pressure (max):

413 bar at 38°C

Temperature (max):

200°C



Features

- Gauge adaptor allows instrument to be positioned anywhere in a 360° arc.
- Compact design provides lower installation costs and fewer potential leak points.
- Vent valve fitted with anti-tamper facility.
- Integral syphon available on instrument connection.

A27M SERIES

Instrument Isolation Gauge Block

Product Overview

The A27M gauge block connection incorporates a rotational gauge adaptor which allows the instrument to be positioned anywhere in a 360° arc and is available in 1/2" NPT female and G 1/2". The A27M is suitable for horizontal or vertical flange mounting and can be mounted directly to a process outlet flange. The instrument connection is also available with an integral syphon. The process connection is a 1/2" monoflange to ANSI B16.5 available in 150/600 class RF smooth finish and 900/2500 class RF smooth finish.

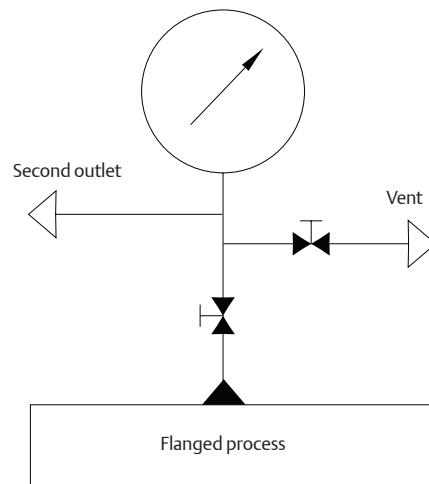
Sour Gas Service

Manifolds are available in materials which comply with the NACE standard MR-01-75, which covers metallic material requirements for resistance to sulphide stress cracking.

Standard Valve Materials

Valve	Wetted parts				Non-wetted parts
	Valve body	Bonnet	Stem	Ball seat	Handle, jam nut and bushing
316 SS	A351-CF8M/CF3M	316 SS	316 SS	316 SS	Austenitic SS
Sour Gas	A351-CF8M/CF3M	316 SS	Alloy 400	Alloy K500	Austenitic SS

Valve Schematic



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Selection Guide

A27M		V	I	S	-04	1	B
BASIC SERIES		VALVE PACKING	SEAT	BODY MATERIAL	PROCESS FLANGE SIZE (INLET)	PROCESS CONNECTION FLANGE	PROCESS CONNECTION
Valve Type							
A27M	Flanged x screwed	V PTFE H Graphite	I Integral	S 316 SS	04 ½"	1 RF smooth 2 RF serrated 3 RTJ	B 150/600 class E 900/2500 class

-1	-01	-11	SG
OUTLET STYLE	GAUGE CONNECTIONS	VENT CONNECTION FITTINGS (SUFFIX AS REQUIRED - OMIT IF NO FITTING REQUIRED)	MANIFOLD OPTIONS
1 Direct mtg x ¼" (V)	01 ½" NPT gauge-direct	00 Plugged port	SG (Sour Gas) NACE edition 2003/MR0103
2 ½" NPT remote x ¼" (V)	02 ½" BSP gauge-direct 04 ½" NPT gauge syphon-direct 05 ½" BSP gauge syphon-direct	11 Gyrolok metric (10 mm OD) 13 Gyrolok imperial (¾" OD) 02 Swagelok metric (10 mm OD) 04 Swagelok imperial (¾" OD)	OC00 Oxygen clean (OC) K Anti-tamper bonnet key