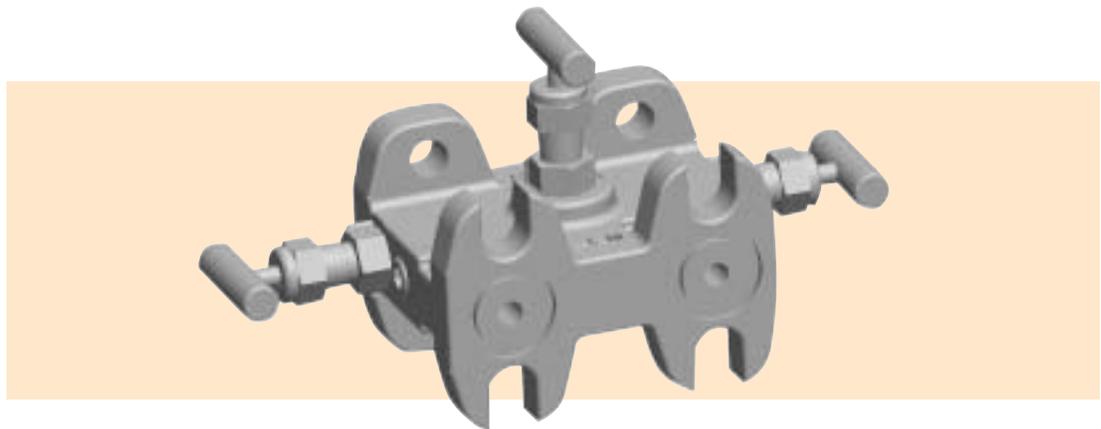


# Kerotest KMM4A 3-Valve Differential Pressure Mini-Manifold



## Product Brief

The KMM4A style 3-valve mini-manifold is designed as a compact, low-cost alternative to full size 3-valve manifolds. It is suitable for close, direct or remote mounting. It contains two (2) main block valves plus an equalizing valve.

## Features/Benefits

- **Bubble-tight shutoff.** Every valve 100% tested.
- **Compact, space-saving design.** One valve replaces three. Less parts equals less **leaks**, equals less **fugitive emissions**.
- **Blowout-proof stem.** Stem design prevents accidental back-out, eliminates blowout problems.
- **Rolled stem and bonnet threads** increase strength, wear resistance and life.
- **Highly polished stems** yield easier operation and increased packing life.
- **Metal-to-metal bonnet-to-body seal** maintains pressure integrity, and eliminates bonnet thread process corrosion.
- **Direct pipestand mounting** to 2-inch pipe. Requires KMC Mounting Kit. Permits complete piping installation without the transmitter and simplified instrument removal.
- **Soft seat** is field-replaceable with valve in line. Metal seats also available.
- **Stem threads isolated** from the process fluid by O-ring stem seal. Prevents stem thread corrosion.

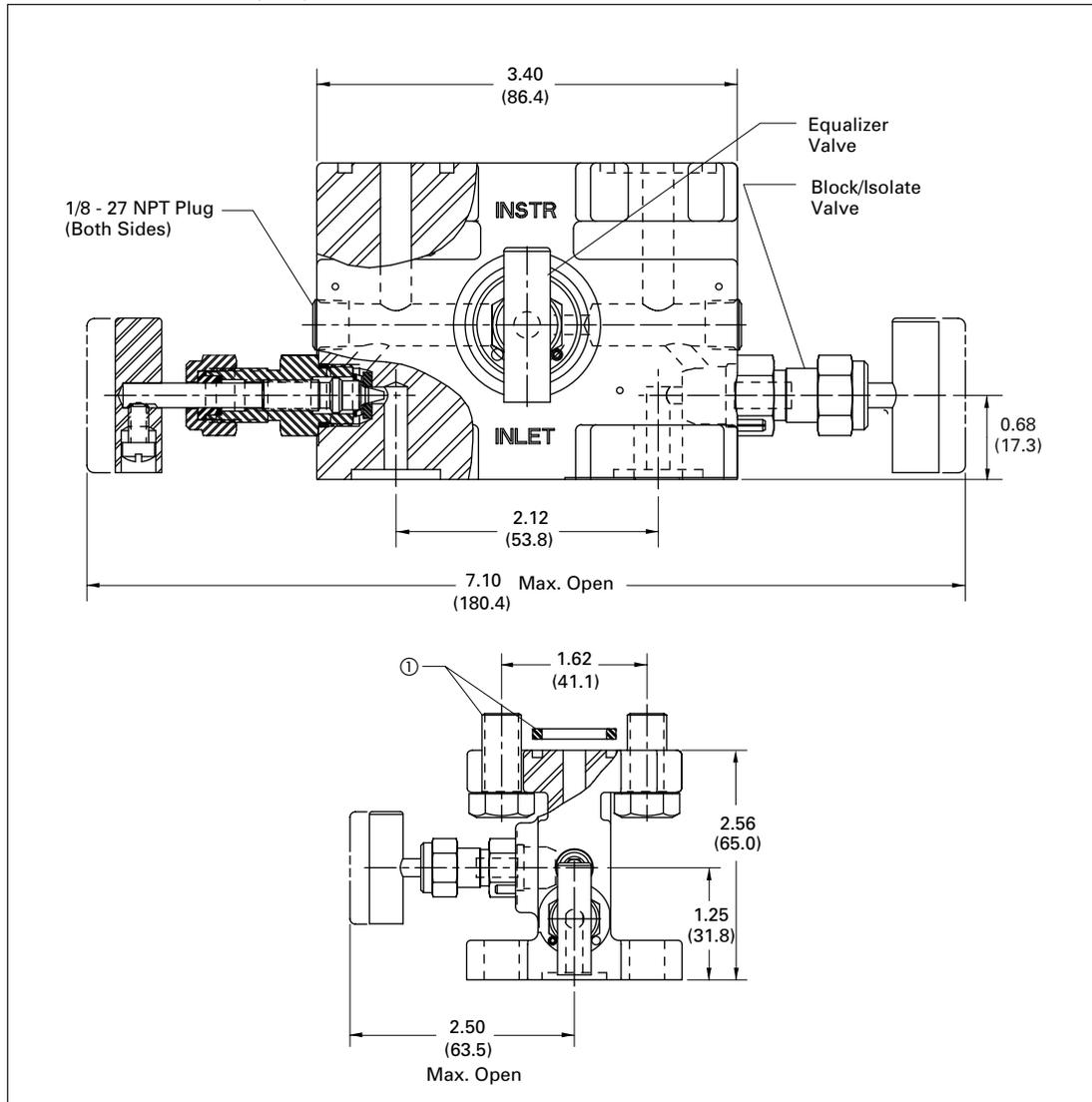


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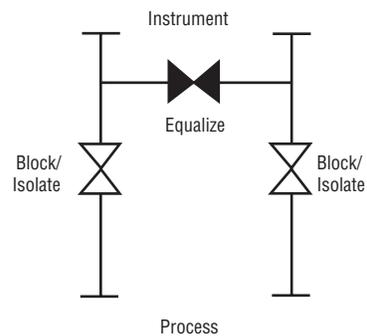
# Kerotest KMM4A 3-Valve Differential Pressure Mini-Manifold

## Specifications

Dimensions in Inches (mm)



① Mounting kit furnished with the KMM4A consists of four (4) bolts and two (2) Teflon® gaskets.



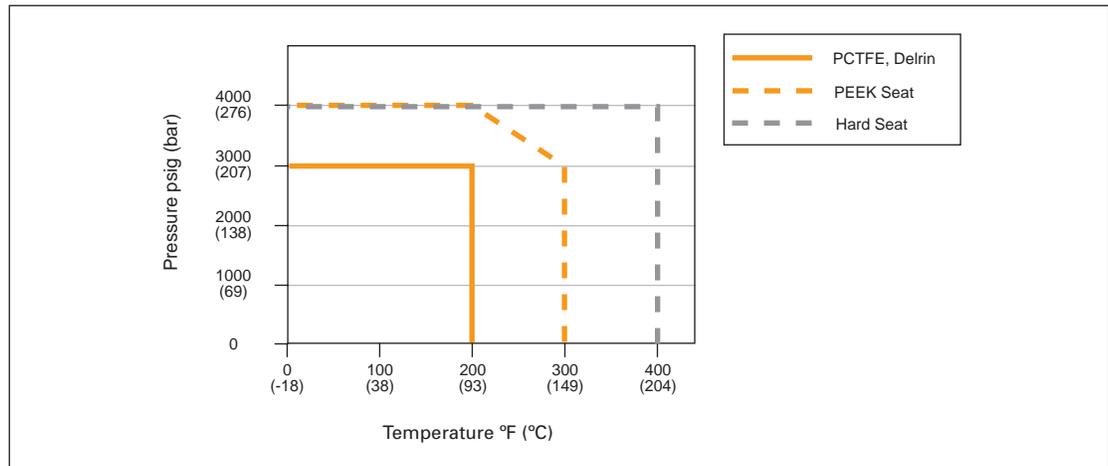
# Kerotest KMM4A 3-Valve Differential Pressure Mini-Manifold

## Standard Materials

Valve	Seat	Body	Bonnet	Stem	Stem Seal ①	Seat	Flow Washer
SS	Hard Seat	A351-CF8M SS	A479-316 SS	A276-316 SS	Teflon or O-ring	SS	N/A
SG ②	Hard Seat	A351-CF8M SS	A479-316 SS	Monel® R405	Teflon or O-ring	SS	N/A
SS	Soft Seat	A351-CF8M SS	A479-316 SS	A276-316 SS	Teflon or O-ring with Teflon Backup Ring	Delrin® ③	316
SS ②	Soft Seat	A351-CF8M SS	A479-316 SS	A276-316 SS	Teflon or O-ring with Teflon Backup Ring	Delrin ③	316

- ① Bonnet assembly with O-ring Stem Seal is 0.60 inches (15.2 mm) shorter than Bonnet with Teflon Stem Seal.  
 ② SG (Sour Gas) all SS wetted parts are RC22 or less to meet requirements of NACE MR0175-latest revision.  
 ③ PCTFE (Polychlorotrifluoroethylene is equivalent to Kel-F) and PEEK are also available.

## Pressure vs. Temperature



## Pressure and Temperature Ratings

Valve	Ratings	
Metal Seat	4000 psig at 400°F	(276 bar at 204°C)
Delrin and PCTFE Seat	3000 psig at 200°F	(207 bar at 93°C)
PEEK Seat	4000 psig at 200°F	(276 bar at 93°C)
	3000 psig at 300°F	(207 bar at 149°C)

# Kerotest KMM4A 3-Valve Differential Pressure Mini-Manifold

## Ordering Information

<b>KMM4A</b>	<b><u>V</u></b> 1.	<b><u>D</u></b> 2.	<b><u>S</u></b> 3.	-	<b><u>B2</u></b> 4.	-	<b><u>AM</u></b> 5.
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### 1. Stem Seal

V – Teflon  
R – Viton® O-ring

### 2. Seat

I – Integral  
D – Delrin (Standard)  
K – PCTFE  
E – PEEK

### 3. Body Material

S – SS, A351-CF8M

### 4. Installation Kits

**B1** – Rosemount® 2024 (Four 18-8 SS Bolts/Washers, Teflon Seals) 7/16 – 20 x 1.25-Inch Bolts  
**B2** – Rosemount 2024 (Four 18-8 SS Bolts/Washers, Teflon Seals) 7/16 – 20 x 1.50-Inch Bolts  
**B3** – Foxboro 843 d/p (Standard) (Four A193-B7 Bolts/Washers)  
**B4** – Rosemount 3051C (Four 18-8 SS Bolts/Washers)

### 5. Options

**AL** – Low Temperature Lubricant  
**AM** – KMC Mount Kit for Pipestand Mounting  
**BC** – Accessory Bracket – Mount Conduit with Option AM

**AMS** – KMC Mount Kit for Pipestand Mounting with Stainless Steel Bracket  
**BP** – Accessory Bracket – Mount Purge Meters with Option AM  
**CL** – Cleaned for Chlorine Service  
**OC** – Cleaned for Oxygen Service  
**HD** – Hydrostatic Testing (100%) (MSS-SP-61)  
**MS** – Monel Stem  
**PHB** – Phenolic Black Handle  
**PHG** – Phenolic Green Handle  
**PHR** – Phenolic Red Handle  
**SG** – Sour Gas Meets the Requirement of NACE MR0175-Latest Revision (Not Available for O-ring Packed Valves)  
**SSA** – SS Flange Bolt (Grade 18-8)  
**SSC** – 316 Flange Bolt (B8M)  
**SP** – Special Requirements – Please Specify

## Installation Kits

Kit	Part Number	Kit Contents	Typical Transmitter Reference
B1	60001039	4 Bolts 7/16 – 20 x 1.25-Inch, 18-8 SST, 4 Washers, 18-8 SST, 2 Gaskets Teflon	Rosemount 2024
B2	60001040	4 Bolts 7/16 – 20 x 1.5-Inch, 18-8 SST, 4 Washers, 18-8 SST, 2 Gaskets Teflon	Rosemount 2024
B3 (Standard)	60001041	4 Bolts 7/16 – 20 x 1.00-Inch, 18-8 SST, 4 Washers, 18-8 SST, 2 Gaskets Teflon	Foxboro 843 d/p
B4 (R3V)	60001042	4 Bolts 7/16 – 20 x 2.25-Inch, 18-8 SST, 4 Washers, 18-8 SST, 2 Gaskets Teflon	Rosemount 3051C

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