# **ANDERSON GREENWOOD** A26 DIFFERENTIAL PRESSURE MANIFOLD

Lightweight and compact 5 valve manifold designed for direct mounting to differential pressure transmitters

## FEATURES

- Direct mounting compact design requires minimum space for operation and installation with fewer potential leak points.
- Cost savings when manifolding the valves by eliminating several parts used in conventional methods of 'piping up'.
- Free-swivelling ball end stem ensures perfect alignment, providing repetitive bubble-tight shutoff and long life.
- PTFE or graphite packing below stem threads prevents lubricant washout and thread corrosion.
- Back seat stem prevents blowout or accidental removal while in operation.
- Threaded ¼" NPT vent ports allow vent to be piped away safely. Supplied plugged as standard.
- Couples directly via standard instrument side flanged connections on 2⅛" (54 mm) centers.
- Standard pipe bracket bolts directly to the manifold providing a rigid support for the transmitter. Instrument can be removed easily for service or repair.

## GENERAL APPLICATION

The A26 is a five-valve manifold that enables instrument operation, isolation, zeroing, calibration and venting to close the system in a single unit. It is suitable for liquid or vapor service.

## TECHNICAL DATA

| | |
|---|---|
| Materials: | SS, Monel, Hastelloy |
| Seats: | Metal |
| Connections | |
| Instrument: | Flanged - direct mount to instrument |
| Process: | ½" NPT |
| Pressure (max.): | Standard: 6000 psig (414 barg)<br>Optional: 10000 psig (690 barg) |
| Temperature (max.): | 1000°F (538°C) |

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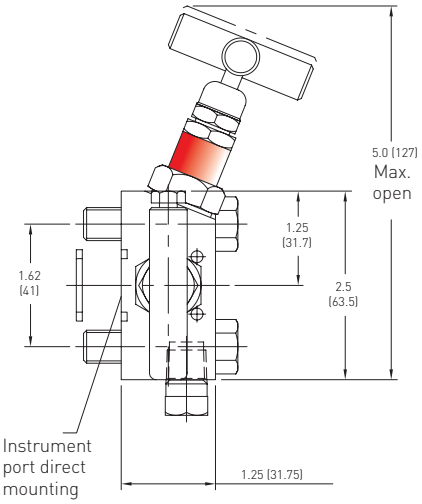
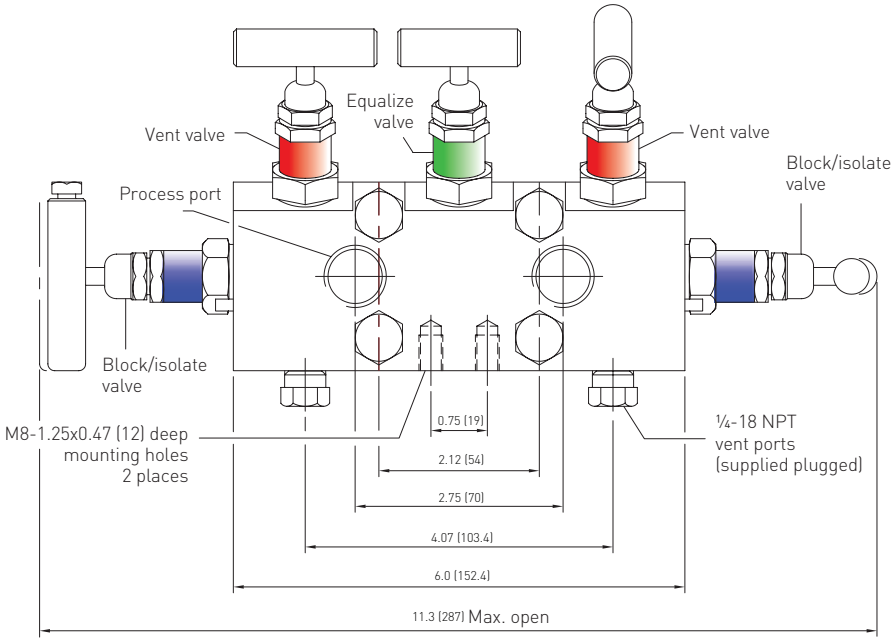
DIMENSIONS, INCHES [mm] THREADED X FLANGED




## STANDARD MATERIALS

| Valve[1] | Body | Bonnet | Stem | Ball seat |
|---|---|---|---|---|
| SS[2] | SS, A479 316 | 316 SS | 316 SS | 316 SS |
| Monel®[2] | Monel® 400 | Monel® 400 | Monel® 400 | Monel® K500 |
| SG[2] | A479 316 SS | 316 SS | Monel® 400 | Monel® K500 |
| SG3[4] | Hastelloy® C276 | Hastelloy® C276 | Hastelloy® C276 | Elgiloy® |

## AGCO MOUNT AM

A26 is available with a mounting bracket suitable for 2-inch pipestand. Supplied zinc zinc plated CS as standard.

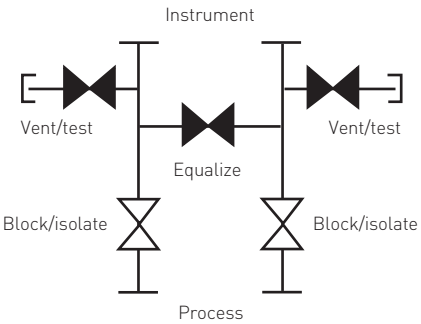
### NOTES

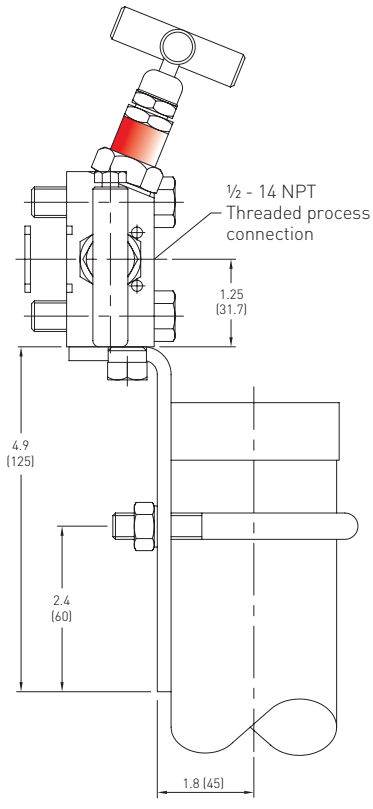
1. Approximate valve weight: 6.0 lb (2.7 kg). 0.187-inch (4.8 mm) diameter orifice. Valve $C_v$ 0.52 maximum.
2. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ⩽ 50 mg/l [ppm]) and NACE MR0103.
3. All manifolds are supplied with seal rings and four $^{7}/_{16}$-inch UNF HT steel mounting bolts. PTFE seal rings are supplied with the standard bonnet; Graphite seal rings are supplied with high temperature bonnet.
4. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).

## SPECIAL SEVERE SERVICE MATERIALS

| |
|---|
| Duplex UNS S31803 |
| 6MO UNS S31254 |
| Hastelloy® C276 |
| Inconel® 625 |

For any other material requirements, please consult the factory.



## BONNET ASSEMBLIES

The metal-seated bonnet assemblies have a rotating stem with free swivel ball-end seat for long service life. The specially hardened ball seat is ideal for both gas and liquid service.
All stem threads are rolled and lubricated to prevent galling and reduce operating torque.
The stem seal is a patented PTFE packing gland which is adjustable in service. All bonnets are assembled with a bonnet locking pin to prevent accidental removal while in service and a protective dust cap is fitted to contain stem lubricant and prevent the influx of contaminants.

## VALVE BONNET IDENTIFICATION

**Dust cap coding**: The valve bonnet dust caps are color coded to identify the gland packing/stem.
White: Standard bonnet assembly PTFE packing.
Green: Sour gas service PTFE packing.

**Ring labels:** The valve bonnets have color coded ring labels for service identification.
Red: Vent valves
Blue: Isolate valves
Green: Equalize valves

## CONNECTIONS

**Standard connections**

| | |
|---|---|
| Process | Threaded ½-inch NPT to ANSI/ASME B1-20-1. |
| Instrument | Flanged for direct mounting to transmitters on 2⅛-inch (54 mm) centers. |
| Vent | Threaded ¼-inch NPT to ANSI/ASME B1-20-1. |

**Other connections**

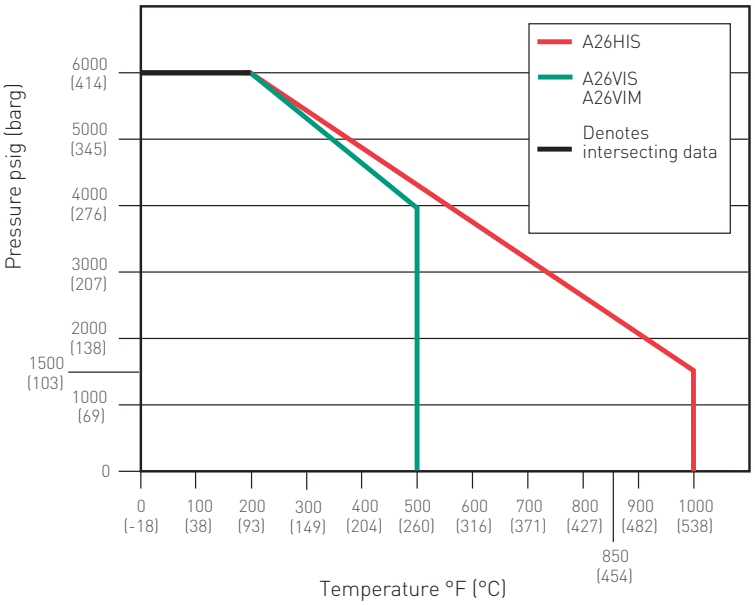
| | |
|---|---|
| Threaded | BSP Tr to BS21<br>BSP F to BS2779 |

Please consult the factory for availability.

**NOTE**

1. Threaded connection: vent supplied with blanking plug as standard.

A26 PRESSURE VS. TEMPERATURE




## PRESSURE AND TEMPERATURE RATINGS

| Valve | PTFE bonnet |
|---|---|
| SS, and Monel® | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C) |

| Valve | High temperature |
|---|---|
| SS | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |

## MINIMUM TEMPERATURE

| | |
|---|---|
| 316 SS, Monel, Hastelloy PTFE packed | -70°F (-57°C) |
| 316 SS, Monel, Hastelloy Grafoil packed | -70°F (-57°C) |

## SELECTION GUIDE

| Example: | A26T | V | I | S | - 4 | - SG |
|---|---|---|---|---|---|---|
| **Bonnet packing** | | | | | | |
| **V** PTFE | | | | | | |
| **H** Graphite | | | | | | |
| **Seat** | | | | | | |
| **I** Integral | | | | | | |
| **Body material** | | | | | | |
| **S** SS | | | | | | |
| **M** Monel® | | | | | | |
| **Process connections** | | | | | | |
| **4** ½-inch FNPT | | | | | | |

**Options**

**-AT** Tamper-proof bonnet
**-CB** Ceramic ball ended stem
**-K** Key for -AT
**-LAT** Lockable tamper-proof bonnet
**-AM** AGCO Mount kit (CS)
**-AMS** AGCO Mount kit (SS)
**-OC00** Cleaned for oxygen service
**-PD** Padlock for -LAT
**-R3V** Add for use with Rosemount® Model 3051C (SS 18-8 bolts)
**-SSA** SS flange bolt (grade 18-8) - maximum pressure rating 4500 psig (310 barg)
**-SSB** 316 SS flange bolt (B8M Class 2) - will provide full pressure rating
**-SSC** 316 flange bolt (B8M) - maximum pressure rating 4500 psi (310 barg)
**-SG** (Sour gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ⩽ 50 mg/l [ppm]) and NACE MR0103 (SS valves only)
**-SG3** (Sour gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm])
**-HP** 10000 psig (690 barg)

**NOTES**

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