

# TESCOM™ Anderson Greenwood Instrumentation Manifolds - Five Valve

Series  
A26TR

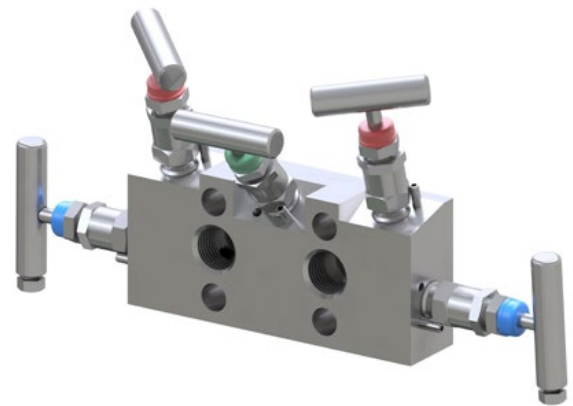
Lightweight and compact 5 valve manifold designed for direct mounting to differential pressure transmitters

## General Application

The A26TR 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

<b>Materials</b>	316 SS, Monel®, Hastelloy®	
<b>Seats</b>	Metal	
<b>Connections</b>	Flanged - direct mount to instrument	
<b>Process</b>	1/2" NPT	
<b>Pressure (max)</b>	<b>Standard</b>	6000 psig (414 barg)
	<b>Optional</b>	10,000 psig (690 barg)
<b>Temperature range (min/max)</b>	-313°F to 1000°F (-192°C to 538°C)	

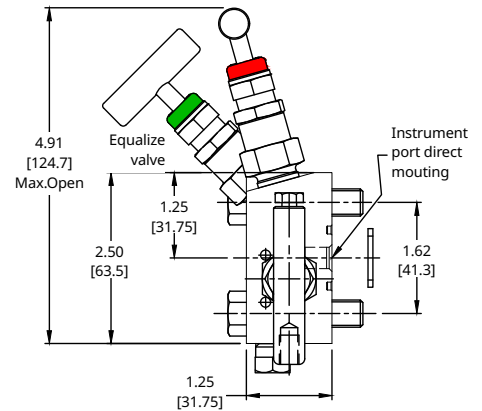
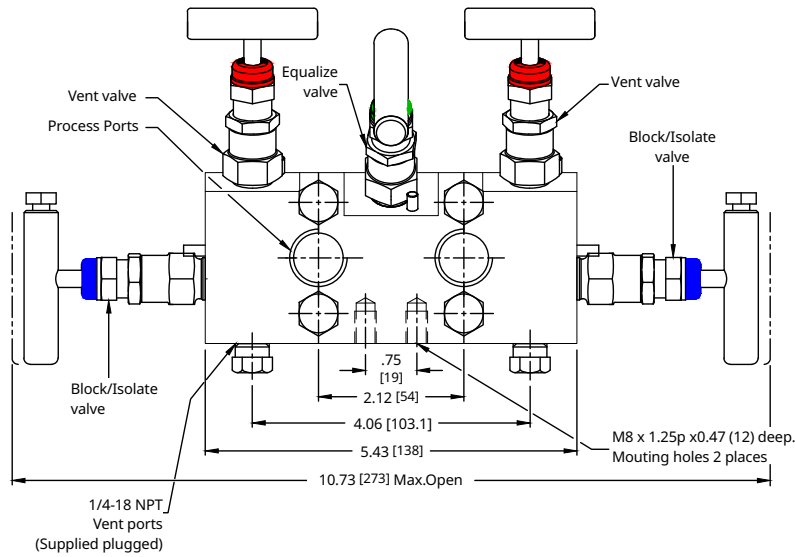


## Features

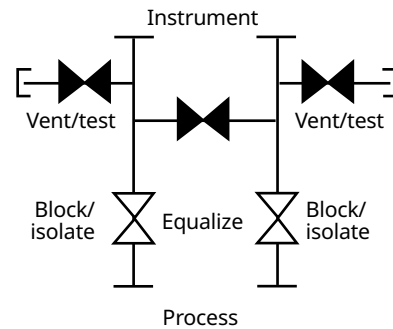
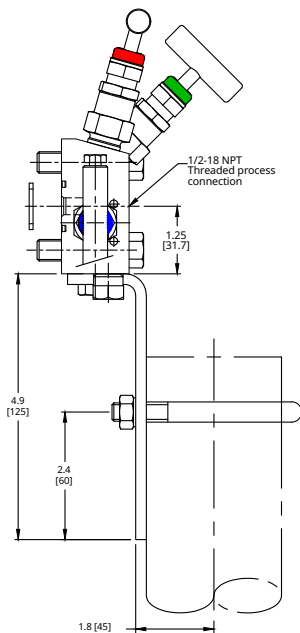
- Direct mounting compact design requires minimum space for operation and installation with fewer potential leak points.
- Cost savings when manifolding the valves by eliminating several parts used in conventional methods of 'piping up'.
- Free-swivelling ball end stem ensures perfect alignment, providing 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 1/4" NPT vent ports allow vent to be piped away safely. Supplied plugged as standard.
- Couples directly via standard instrument side flanged connections on 2 1/8" (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.

## A26TR Dimensions

### Dimensions, inches (mm) Threaded x Threaded



## AGCO Mount



## Special Severe Service Materials

Duplex UNS S31803I
6MO UNS S31254
Hastelloy® C276
Inconel 625

For any other material requirements,  
please consult the factory.

## Standard Materials

Valve(1)	Body	Bonnet	Stem	Ball seat
316 SS	SS, A479 316	316 SS	316 SS	316 SS
Monel®	Monel® 400	Monel® 400	Monel® 400	Monel® K500
SG(2)	A479 316	316 SS	Monel® 400	Monel® K500
SG3(3)	Hastelloy® C276	Hastelloy® C276	Hastelloy® C276	Elgiloy®

## 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 bonnets have color coded and embossed dust caps 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 21/8-inch (54 mm) centers.

**Vent:** Threaded ¼-inch NPT to ANSI/ASME B1-20-1.

### Other connections

**Threaded:** BSPT tapered thread  
BSPF straight thread

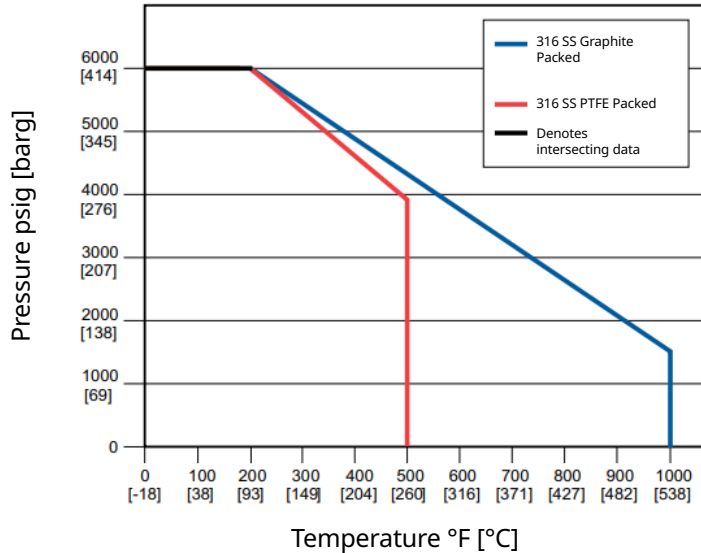
Please consult the factory for availability.

### NOTE

Threaded connection: vent supplied with blanking plug as standard.

1. Approximate valve weight: 6.0 lb (2.7 kg), 0.187-inch (4.8 mm) diameter orifice. Valve Cv 0.52 maximum.
2. 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.
3. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103
4. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).

## H7 PTFE Low Temperature



### Minimum Temperature - 316 SS

Standard	-70°F (-57°C)
LT Option:	-313°F (-192°C)

### High Temperature: Graphite Bonnet

316 SS:	6000 psig at 200°F (414 barg at 93°C)
	1500 psig at 1000°F (103 barg at 528°C)

### High Pressure: PTFE Bonnet

316 SS:	10000 psig at 200°F (690 barg at 93°C)
	4500 psig at 200°F (414 barg at 260°C)

### Standard Option: PTFE Bonnet

316 SS:	6000 psig at 200°F (414 barg at 93°C)
	4000 psig at 500°F (276 barg at 260°C)

## Selection Guide

A26TR	V	I	S	-4	-SG
BASIC SERIES	BONNET PACKING	SEAT	BODY MATERIAL	PROCESS/INSTRUMENT CONNECTIONS	OPTIONS
A26TR	V PTFE H Graphite	I Integral	S 316 SS M Monel®	4 1/2-inch FNPT	<b>AT</b> Tamper-proof bonnet <b>K</b> Key for -AT <b>HL</b> Handle Lock <b>AM</b> AGCO Mount kit for 2-inch pipe stand mounting (CS) <b>AMS</b> AGCO Mount kit for 2-inch pipe stand mounting (316 SS) <b>OC00</b> Cleaned for oxygen service <b>SG</b> (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for Chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103 (316 SS valves only) <b>SS</b> All 316 SS material on non wetted components <b>R3V</b> Add for use with Rosemount® model 3051C (SS 18-8 bolts) <b>SSA</b> SS flange bolt (grade 18-8) - maximum pressure rating 4500 psi [310 barg] <b>SSB</b> 316 SS flange bolt (B8M Class 2) - will provide full pressure rating <b>SSC</b> 316 flange bolt (B8M) - maximum pressure rating 4500 psi [310 barg] <b>LT</b> Low temperature applications below -70°F/-57°C

**NOTE**  
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