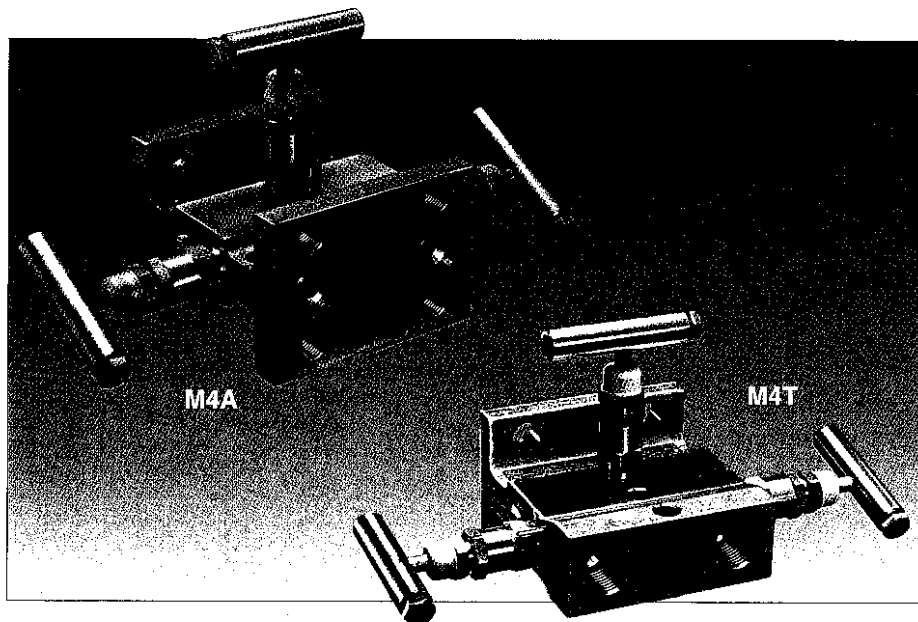


Differential Pressure Manifolds - M4A and M4T 3-Valve Manifolds



Product Overview

Our M4 Manifold is a three-valve unit designed for mounting on differential pressure transmitters having 2¹/₈-inch [54 mm] center-to-center connections.

For direct or remote mounting, the M4A permits the transmitter's flange to connect the process signal lines to the manifold directly, with either 1/2-inch pipe or tubing connections. It contains two main block valves and an equalizing valve.

For close or remote mounting, the M4T Manifold is used in applications where direct coupling to orifice flanges is not desired. On the instrument side, the M4T bolts directly to the transmitter. On the process side, two 1/2-inch NPT or AGCO-Tube connections are provided for piping or tubing into the flange taps.

General Mounting Techniques

The M4A mounts either directly at the orifice flange union or to a 2-inch pipestand using the AGCO Mount kit.

The M4T is designed for remote mounting on a 2-inch pipestand and using the AGCO Mount kit.

Features and Benefits

- **Cost savings/less labor** results when unitizing the manifolding. It eliminates numerous parts used in conventional methods of 'piping up.' Results in cost reduction of 20-30 percent.
- **Stem backout prevention** eliminates stem blowout, or accidental removal while in operation.
- **Bonnet-to-body seal** is metal-to-metal in constant compression below the bonnet threads. This prevents bonnet thread process corrosion, eliminates tensile breakage of bonnet, and creates a reliable seal point.
- **Roddability** of soft seated valves means impulse lines can be cleaned without using purge. Simplifies maintenance and helps ensure measurement accuracy.
- **Field-replaceable soft seats** allows replacement of seat insert without removing the valve from the line.
- **Stem finish** is burnished to a 16 RMS mirror finish in the packing area. Enables smooth stem operation and extended packing life.
- **Rolled threads** provide additional thread strength because the stem and bonnet threads are rolled, not cut.

- **Fugitive emissions.** To meet low fugitive emissions requirements, special Graphite sealed bonnets are available.
- **Fewer parts** means fewer leak points which mean fewer fugitive emissions.
- **Manifold mounts directly to the pipestand.** The AGCO Mount supports the transmitter and allows loop installation to be completed without the transmitter. Instrument removal for service or repair does not disturb installation.
- **Teflon®, GRAFOIL®, or Graphite packing** adjusts easily. Decreases downtime and increases valve life.
- **Integral hard back seat** protects against stem blowout and forms a secondary seal.
- **Protective bonnet cap** (Teflon® packed only) increases valve life by protecting against atmospheric contamination; reduces possibility of thread galling by containment of stem lubricant.

