

PBM's Transmitter Isolation Valve

An Economical Solution for Level Transmitter Isolation Applications in the Chemical, Pharmaceutical and Pulp and Paper Industries



FEATURES AND BENEFITS:

- Minimal dead space prevents build-up
- Purge ports and optional milled flats enable CIP and drainage without process interruption
- Standard calibration ports allow periodic in-line checks
- Bolt pattern accommodates standard industry ANSI 150# flanged connections and retrofits to knife gate patterns
- Lockable handle is standard
- 90° turn handle enables easy open/close
- Hardware configuration allows separate bolting of valve to tank and transmitter to valve as an additional safety measure for hazardous media

APPLICATIONS

- Replaces knife gate valves on holding tanks and process tanks in pulp and paper mills
- Can be used in industrial and sanitary applications, as well as steam
- Works well in any industry that must obtain pressure or level transmitter readings on tanks and vessels



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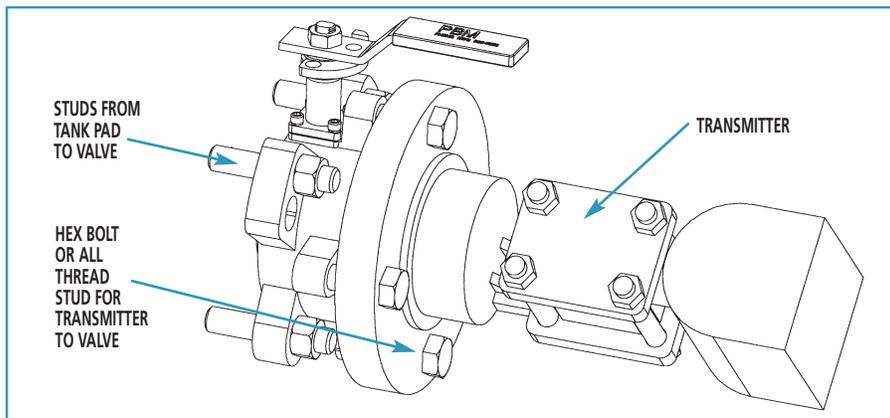
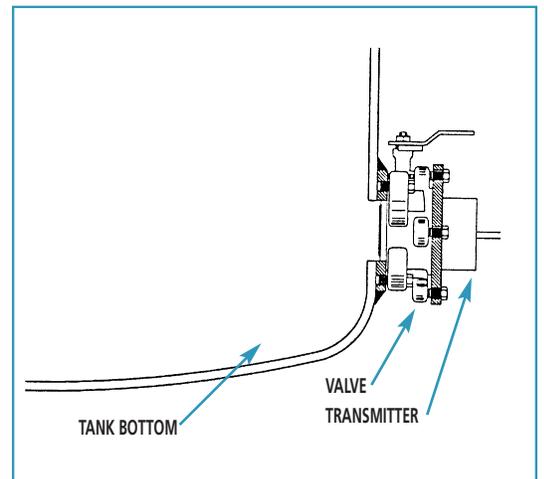
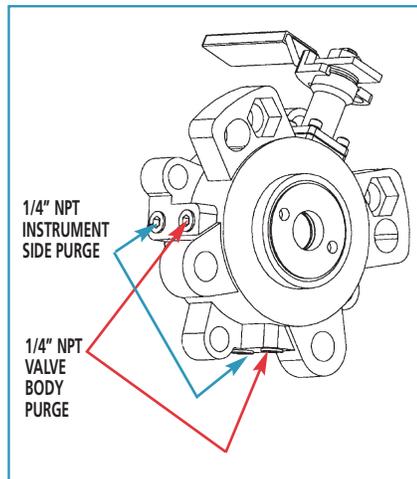
SPECIFICATIONS:

- 3" ANSI 150 lb. flange tank/transmitter connection with valve port diameter of 1" or 2-1/2"
- Standard flange and offset gate valve pattern
- Manual lockable handle
- Four 1/4" FNPT purge ports standard
- Available materials include 316 S/S, 317L S/S, hastelloy, titanium and others
- RTFE seats and seals with teflon o-rings standard
 - Optional S/S TFE with teflon encapsulated o-rings
 - Other materials available
- Face-to-face dimensions:
 - 2.25" for the 1" port diameter
 - 5.62" for the 2-1/2" port diameter



PBM's EXCLUSIVE TIV PURGE PORT DESIGN:

Not all valves used for transmitter isolation feature purge ports. Each PBM Transmitter Isolation Valve includes four 1/4" FNPT purge ports. The valve is shipped with all 4 purge ports plugged with 1/4" MNPT pipe plugs made of the same material as the valve body. Purge media can be water, steam or any media that can safely dissolve and remove any build-up that can occur in the valve body or on the face of the transmitter. When purging with steam, PBM recommends upgrading the seat and seal material to 316 stainless steel filled Teflon (150-lb. maximum steam pressure).



APPLICATIONS:

A typical installation of the PBM Transmitter Isolation Valve.

AVAILABILITY:

- 316 S/S, 1" port diameter TIV – Factory Stock
- 316 S/S, 2-1/2" port diameter TIV – Factory Stock



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