



HM77 Series

Natural Gas Manifold

Manifold Valves



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Metering Manifolds

The HM77 Five Valve Manifold combines two shutoff valves, two equalizing valves, and a vent/calibration valve into a single, compact assembly.

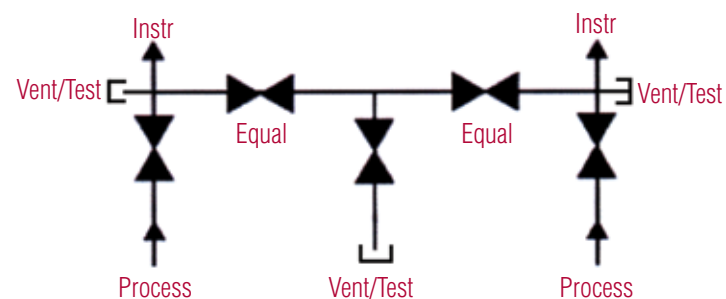
Accuracy is paramount in the upstream and downstream hydrocarbon measurement world. When expensive liquid or gas changes ownership, precise measurement is critical.

- The larger 3/8" bore smooths out the transmission of primary element pneumatic signals by reducing pulsation induced spikes to the transmitter improving accuracy.
- The smallest leakage from the high side of the manifold to the low side can lead to lost revenue due to inaccurate measurement. The double equalizing arrangement insures against measurement error that can occur from equalizer leakage between high and low pressure connections, making the HM77 ideal for custody transfer applications.

Features

- User friendly design developed after consultation with gas field instrument technicians
- *Angled, offset equalizer valves* simplify transmitter calibration and technician operation – no bruised knuckles!
- *New longer body:*
 - to enable easy installation of flange bolts without lifting, or holding the meter
 - unencumbered installation of test port calibration nipples or valves
- *New Mounting* taps for Universal bracket installation
- Flanged inlet versions have 1/4" FNPT tapped counter bore to increase flexibility of inventory
- 3/8" true bore insures pneumatic signal accuracy
- Carbon-filled Teflon soft seats provides positive shutoff
- O-ring or packed bonnets for any application
- *New, 3 configurations:* npt x npt, npt x flange, and flange x flange

Flow Schematic



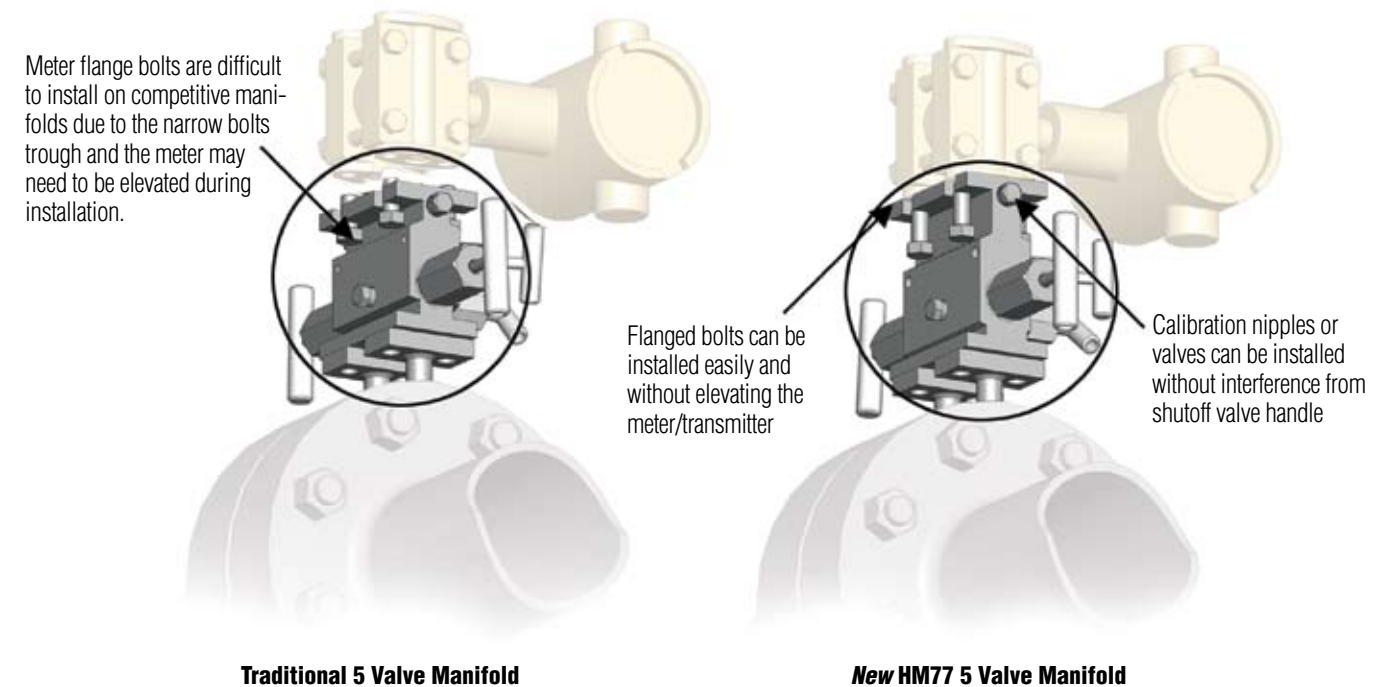
Installation and Maintenance Friendly

- Unique, angled, offset equalizer valves simplify transmitter calibration and technician operation. With offset handles, technicians can perform equalizing, venting and calibration task without pain, i.e. no bruised knuckles!
- Our unique manifold body is 1/2" longer than competitive manifolds on the outlet flange side of the body to simplify installation. Meter/transmitter flange bolts can be inserted without having to elevate or hold the body, in any installation orientation. Bolt slots (instead of holes) put the finishing touch on this manifold by making horizontal installations a breeze.
- With the addition of tapped mounting holes on the bottom of the manifold, our Universal mounting bracket can be used to mount the manifold instead of the meter in a variety of installation orientations.

Ordering Schematic

Model Number	
HM77	Series
Seat/Body Configuration	
2	Soft Seat
G	Soft Seat with O-Ring Packing
Body Material	
S	Carbon Steel
U	Stainless Steel
Inlet Size	
1	Flanged (but counterbore tapped 1/4" FNPT)
3	1/2"
Inlet Type	
1	Flanged
3	FNPT
Outlet Size	
3	1/2"
9	Flanged
Outlet Type	
1	FNPT
9	Flanged
Stem/Tip	
2	316 Stem
Seat Material	
6	Teflon Seat
Packing	
2	Teflon Packing
5	Buna-N O-Ring

Comparison Of Traditional 5 Valve Design and New HM77



Dimensions

