



PANAM
ENGINEERING
BEYOND
LIMITS

Gauge Root Valves

Maximum Working Pressure upto
6000 psi (414 bar).



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Introduction

PANAM[®] has emerged as renowned name in Global market for 'Instrumentation Fittings & Valves'. Since its inception in 1998 to present day, **PANAM**[®] has added new product every year and has broadened its product portfolio and its clientele base by supplying to potential customers worldwide. Key core values like Timely Delivery, Quality Consistency, Product Improvisation and after sales service has been instrumental in the phase wise evolution of company. Continuous improvement is the key to success, Customer feedback are taken with positive attitude and product are constantly groomed to a new quality and performance level to cope up with the competition. Our products are known for providing high-quality, high-reliability, low-cost options for the oil and gas industry. Over the year, the company has evolved from a product based company to a complete system solution provider. Over the coming years the entity of the company will attain state of the art operational efficiency for maintaining a competitive edge, with the advent increase in the utilization of its products in oil, gas and power sector.

PANAM[®] is having state of the art manufacturing facility span over an area of 65,000 sqft with a fleet of CNC machines, VMC machines, Semi-Automatic Lathe machines, High pressure test bench with SCADA control, Configuration centre for transmitters and dedicated R&D Team.

PANAM[®] offers a large variety of Gauge Root Valve from different materials like Stainless Steel and other Alloy (e.g. Monel, Hastalloy, Duplex, Super Duplex etc.) as per the customer's requirements.

PANAM[®] product meets and even exceeds the requirements of ASME and MSS Series Standards. All materials are supplied in compliance with ASTM Specifications and verified by NABL approved third party laboratories.

PANAM[®] Gauge Root Valves are 100% factory tested and are in compliance with NACE MR0175 / ISO 15156 with Heat Code Traceability and Maximum working pressure upto 10000 psi (689 bar).

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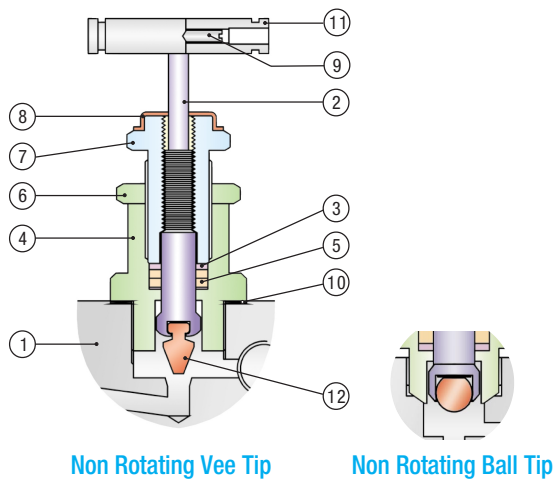
Gauge Root Valves

PANAM Gauge Root Valves are used for safe installation in pressure switches, gauges and differential pressure transmitters, suitable for Block and Bleed assemblies to test pressure source required in sampling line or purg valve.

Features

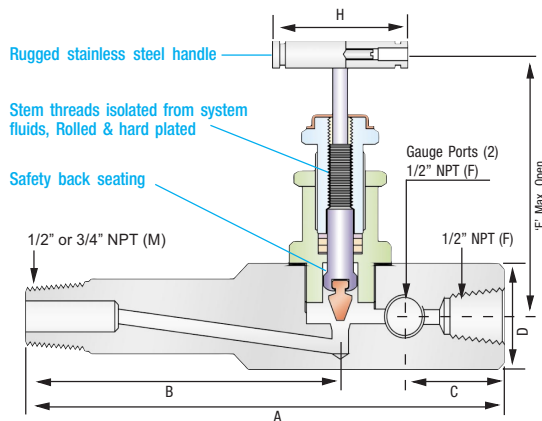
316 S.S. Construction for corrosion resistance. Nonrotating vee or ball tip. Extended body for insulation clearance. Scheduled 160 or heavier pipe valve inlet for strength. Optional graphoil packing available for high temperatures with all ball / vee tip design which forms a bearing joint with the stem which eliminates rotation between ball or vee tip & seat at closure, This prevents scoring and galling on the valve seat and ensures long life in repetitive shut off service.

Material of Construction

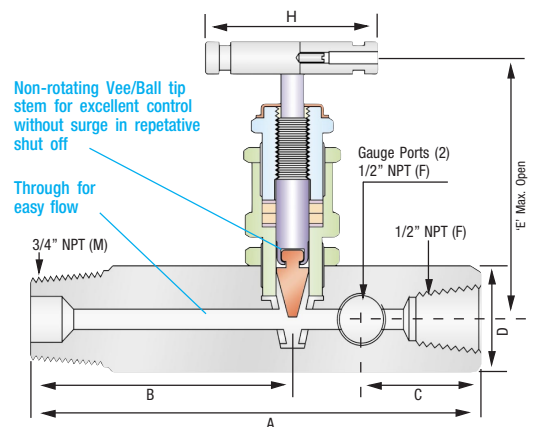


Sr. No.	Part Name	Qty.	Material
1	Body	1	A479-316 S.S. / A-105
2	Stem	1	A479-316 S.S. / A-105
3	Spacer	2	A479-316 S.S. / A-105
4	Gland Body	1	A479-316 S.S. / A-105
5	Gland Packing	2	Teflon / Graphoil
6	Gland Lock Nut	1	A479-316 S.S. / A-105
7	Gland Retainer	1	A479-316 S.S. / A-105
8	Dust Cap	1	Plastic / LD
9	Grub Screw	1	Steel Plated
10	Washer	1	A479-316 S.S. / A-105
11	Handle	1	Stainless Steel
12	Vee / Ball Tip	1	A 564-630

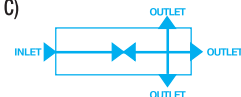
Dimensions



Body	Orifice mm	Connecting Size		Dimensions					
		Inlet	Outlet	A	B	C	D	E	H
Short	5	1/2" NPT	1/2" NPT	137	76	38	32 SQ.	90	64
Lagging Extension		3/4" NPT	1/2" NPT	184	123	38	32 SQ.	90	64



MAT.	SEAT	TEMP. RATING	PR. RATING @ 100° F (38°C)
S S 316	V-Stem Rising Plug	-65° F to 450° F (-54° F to 232° C)	6000 PSI (41,300 Kpa)



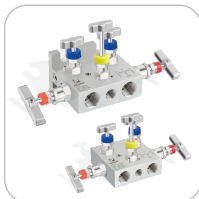
Testing

Each valve is hydrostatically tested in accordance with MSS-SP-99. This procedure includes testing of the body cavity. Hydrostatic test is performed with pure water or other liquids of similar or lower viscosity at 1.5 times and seat leakage test at 1.1 times of the maximum working pressure. Each valve is also tested with Nitrogen Gas at 1000 psi for seat, seal and shell leakage. Other tests like Vibration, Temperature, Helium are available upon request.

[illegible]

Notes

Other Products



2-3-5 VALVE MANIFOLDS



BELLOW SEAL VALVES



GAUGE ROOT VALVES



NEEDLE VALVES



HP NEEDLE VALVES



BALL VALVES



HP BALL VALVES



DOUBLE BLOCK & BLEED VALVES



MONO FLANGE VALVES



CHECK VALVES



RELIEF VALVES



FILTERS



TUBE FITTINGS



PIPE FITTINGS



HP PIPE FITTINGS



SWIVEL FITTINGS



JIC FITTINGS



WELD FITTINGS



HIGH PRESSURE FITTINGS



GAUGE SAVERS



PRESSURE GAUGES



TEMPERATURE GAUGES



PRESSURE TRANSMITTERS



TEMPERATURE TRANSMITTERS



PRESSURE REGULATORS



CONDENSATE POTS



AIR HEADERS



GRAB SAMPLING SYSTEM



PRE-FABRICATED HOOK UPS



FLANGE ADAPTERS



SWIVEL GAUGE ADAPTERS



THERMOWELLS



BLEED PLUGS



DIE-ELECTRIC FITTINGS



TUBINGS



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