

MULTIPORT GAUGE VALVE



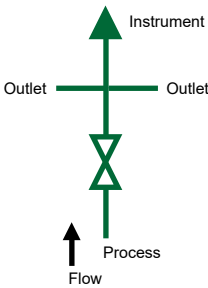
Multiport gauge valves allow users to isolate pressure, bleed excess process, and remove instruments without a system shutdown. There is a single shutoff for the inlet and three female outlet ports that can connect to instruments, bleeds, process piping, valves, or plugs.

FEATURES / BENEFITS

- Complies with MSS SP-99 and MSS SP-132 Standards Where Applicable
- Rolled Threads for Strength, Durability, and Ease of Use
- Many Plug Options Available
- 316SS Body Option Complies with NACE MR0175
- Leak Tested Before Shipping
- Available Factory-Installed on Reotemp Instruments

SPECIFICATIONS

Body Material	316SS, Carbon Steel, Monel, Hastelloy C276, Duplex 2205, Super Duplex 2507
Max Pressure Rating	10,000 psi
Min/Max Temperature Rating	-67°F to 1,000°F
Seats Available	Hard, POM, PEEK, PCTFE, ETFE
Connections Available	1/4"NPT, 1/2"NPT, 3/4"MNPT



MULTIPOINT GAUGE VALVE

HOW TO ORDER: Choose options to build a part number. For example: **G42HTX22S-HT**

MODEL	SEAT TYPE	STEM SEAL	SEAT/TIP	CONNECTIONS	BODY MATERIAL	OPTIONS
G42 = Multiport Process Valve	H = Hard Seat (Integral) S = Soft Seat	T = PTFE Packing-Standard V = High Pressure FKM O-Ring ¹ G = Graphite Packing ¹ H = High Pressure PTFE Packing ² J = High Pressure Graphite Packing ² F = FKM O-Ring	X = Hard Seat (Integral) S = Hard Seat With Stellite Valve Tip P = POM - Standard Soft Seat ³ K = PEEK Soft Seat F = ETFE Soft Seat C = PCTFE Soft Seat ⁴ R = Hard Seat With POM Tip M = Hard Seat With PCTFE Tip	22 = 1/2" MNPT Inlet x (3)1/2" FNPT Outlet 2F = 1/2" FNPT Inlet x (3)1/2" FNPT Outlet 44 = 1/4" MNPT Inlet x (3)1/4" FNPT Outlet 4F = 1/4" FNPT Inlet x (3)1/4" FNPT Outlet 32 = 3/4" MNPT Inlet x (3)1/2" FNPT Outlet	S = 316SS M = Monel 400 H = Hastelloy C-276 C = Carbon Steel 2 = Duplex 2205 R = Super Duplex 2507	OX = Cleaned for Oxygen Service ⁵ HT = Internal Hydrostatic Test PM = Positive Material Test MR = MTR for Body PP = Power Piping According to ASME B31.1 ⁶ LT = Very Low Process Temperature (-67°F) ⁷ MT = Medium Low Process Temperature (-40°F) ⁷ HP = Hex Plug BP = Bleeder Plug BP = Bleeder Valve EX = Extended Valve Design T1 = Non-Rotating Stem Tip TS = Stainless Steel Tag

¹Available in hard seat only.

²Increases max pressure to 10,000 psi for PTFE and to 7,200 for Graphite. Available in hard seat only.

³POM is comparable to Delrin.

⁴PCTFE is equivalent to Kel-F.

⁵Max temperature is 392°F at 1,305 psi. Max pressure is 6,000psi at 140°F.

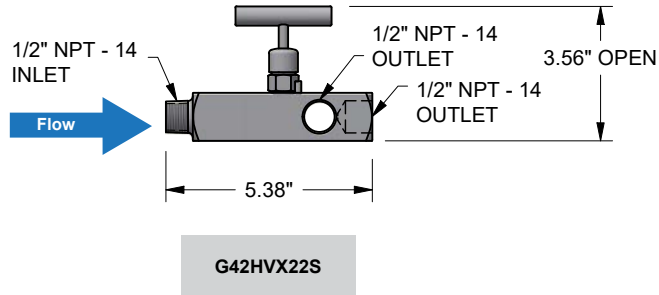
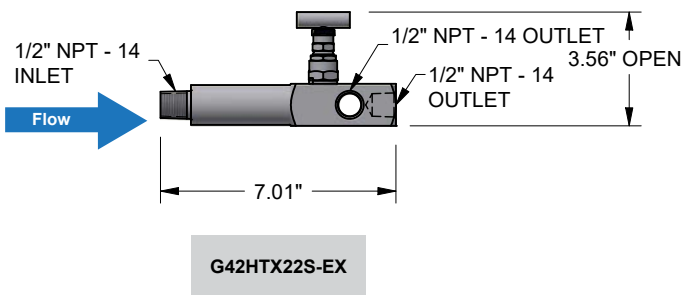
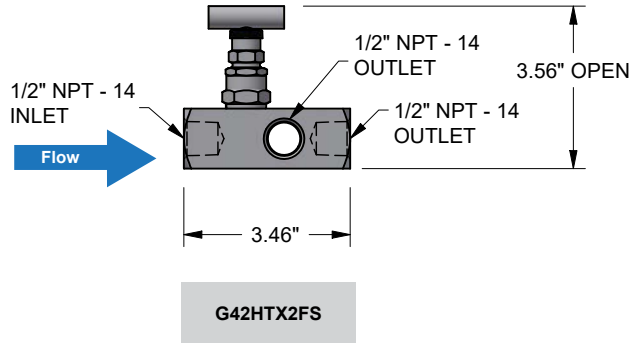
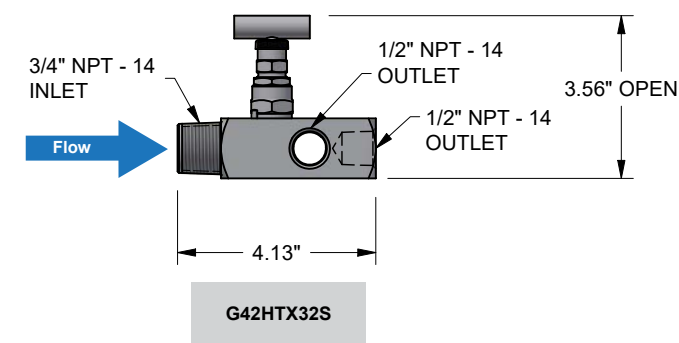
⁶Graphite packing with S body only.

⁷MT is not available with carbon steel, FKM, or PEEK. LT requires a hard seat or PCTFE soft seat, PTFE stem seal, and S body.

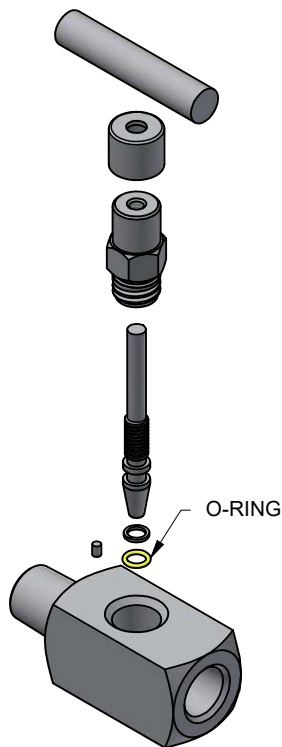
Note: Not all combinations in the above table are possible. Conversely, if a combination is desired but not seen, ask your Reotemp Sales Representative. Additional configurations and options are available upon request.

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VALVES



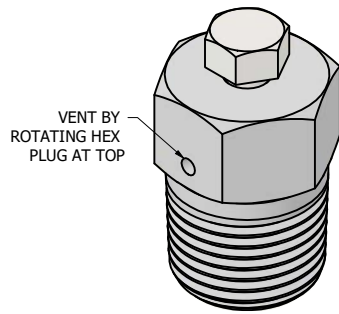
Packed Bonnet Seal Example



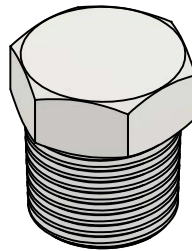
O-Ring Example

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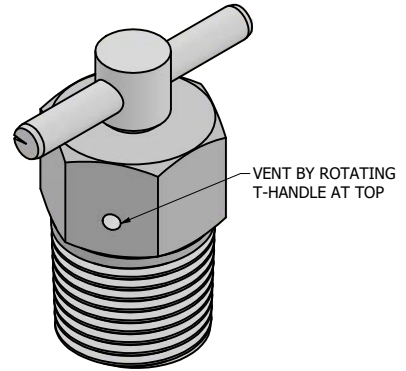
Valve Accessories and Options



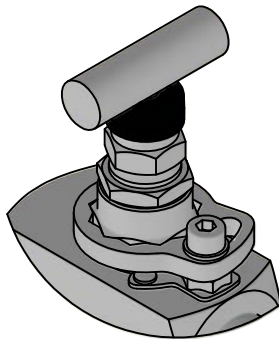
-BP (Bleeder Plug)



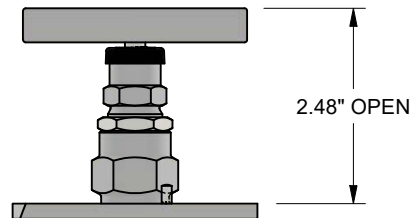
-HP (Hex Plug)



-BV (Bleeder Valve)

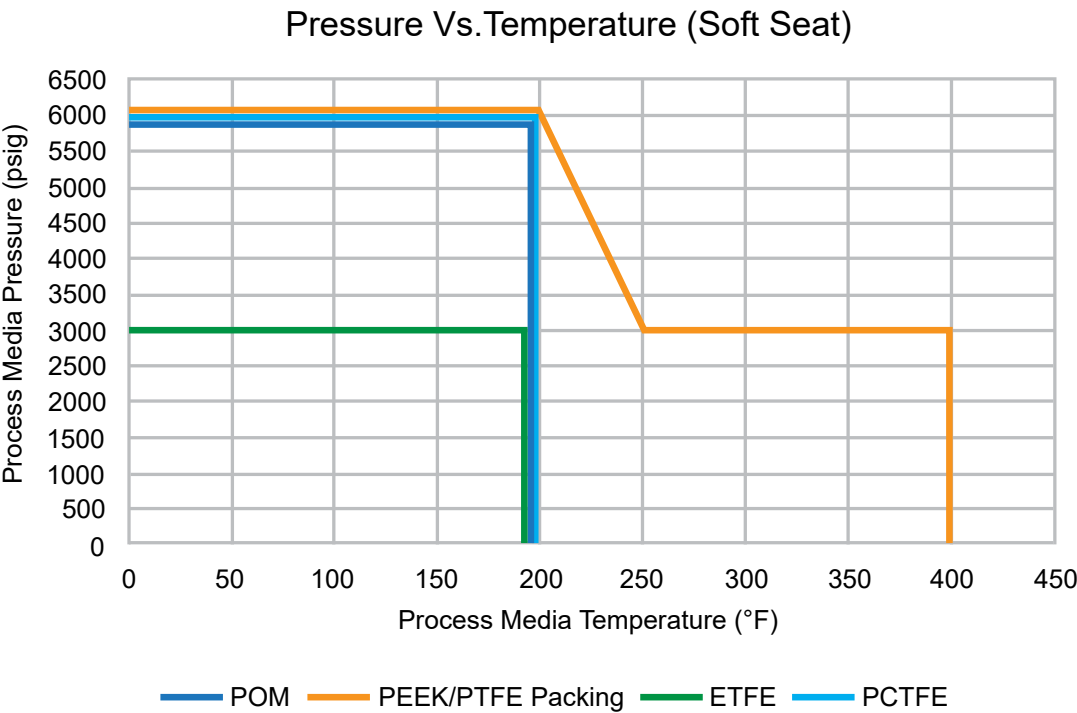


-PP (Power Piping Option)



H and J (High Pressure Packing)

VALVE SOFT SEAT CHART



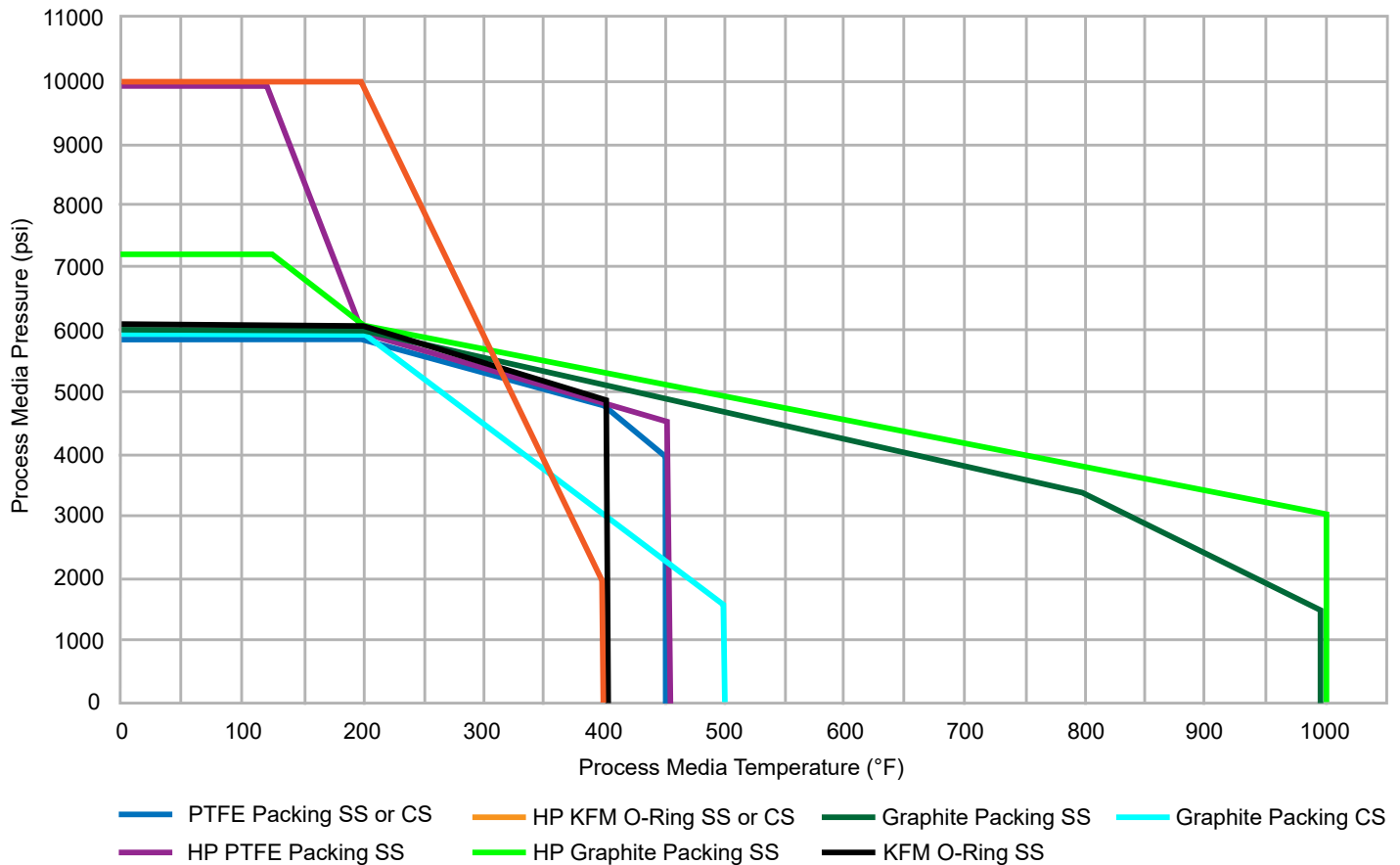
Soft Seat Ratings	
POM	6,000psi at 200°F
PEEK w/ PTFE Packing	6,000psi at 200°F 3,000psi at 400°F
ETFE	3,000psi at 200°F
PCTFE	6,000psi at 200°F

Minimum Temperature Soft Seat Ratings	
Soft Seat Value with No Options	0°F
-MT Option Code	-40°F
-LT Option Code	-67°F

Note: EN 61518 guidelines for direct mount manifolds state that the max temperature on a flange mounted to a transmitter should not exceed 248°F to protect the transmitter from excess heat.

VALVE HARD SEAT CHART

Pressure Vs. Temperature (Hard Seat)



Hard Seat Ratings

PTFE Packing SS or CS Body	6,000psi at 200°F 4,000psi at 450°F
High Pressure FKM O-Ring SS or CS Body	10,000psi at 200°F 2,000psi at 392°F
Graphite Packing and SS Body	6,000psi at 200°F 1,500psi at 1,000°F
Graphite Packing and CS Body	6,000psi at 200°F 1,500psi at 500°F
High Pressure PTFE Packing and SS Body	10,000psi at 120°F 4,500psi at 450°F
High Pressure Graphite Packing and SS Body	7,200psi at 120°F 3,000psi at 1,000°F
FKM O-Ring and SS Body	6,000psi at 200°F 4,500psi at 392°F

Minimum Temperature Ratings

No Additional Options	0°F
-MT Option Code	-40°F
-LT Option Code	-67°F

Soft Tip Max Temperature

POM	212°F
PCTFE	302°F

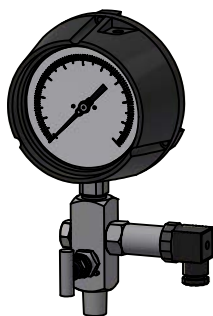
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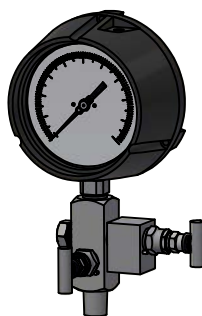
Instrument and Valve Assemblies

Why order a Reotemp Instrument and Valve Assembly?

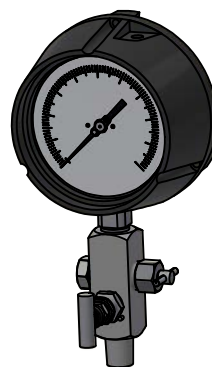
- Easy out-of-the-box installation
- All potential leak paths are factory tested (1,000 psi max)
- High quality sealant for each threaded connection
- Saves time in the field
- Fully customizable to include diaphragm seals, monoflanges, swivel adapters, etc.



Valve Mounted to Pressure Gauge and Transmitter and Bleeder Plug



Valve Mounted to Pressure Gauge and Angled Hand Valve



Valve Mounted to Pressure Gauge and Bleeder Valve

Why does every pressure instrument need the right valve?

- For easier maintenance and repair
- For quicker calibration checks
- For more control when putting an instrument into service
- For capturing process media before it vents to the atmosphere