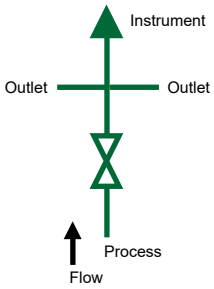
MULTIPORT GAUGE VALVE

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

MULTIPORT GAUGE VALVE

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

G42	H	T	X	22	S	-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) -Standard **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 **7** = Super Duplex	**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

[1]Available in hard seat only.

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

[3]POM is comparable to Delrin.

[4]PCTFE is equivalent to Kel-F.

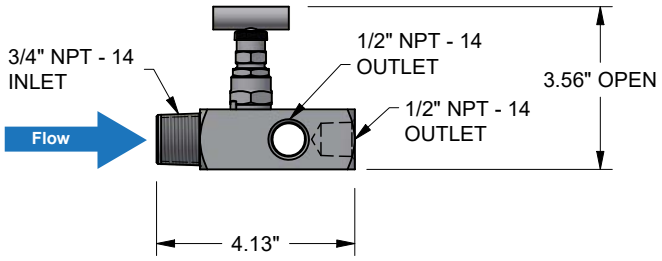
[5]Max temperature is 392°F at 1,305 psi. Max pressure is 6,000psi at 140°F.

[6]Graphite packing with S body only.

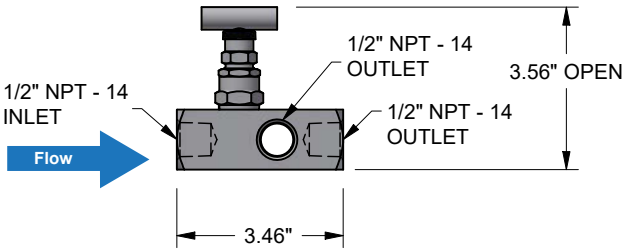
[7]MT is not available with carbon steel, FKM, or PEEK. LT requires a hard seat or PCTFE soft seat, PTFE stem seal, and S body.

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.

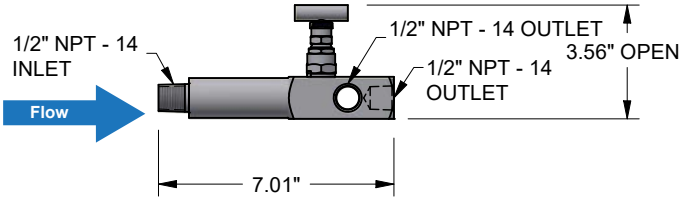
MULTIPORT GAUGE VALVE



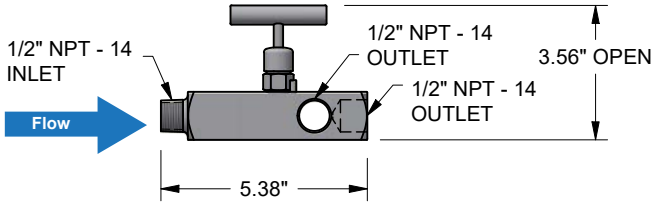
G42HTX32S



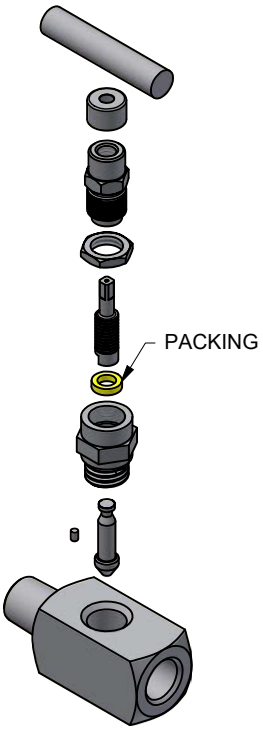
G42HTX2FS



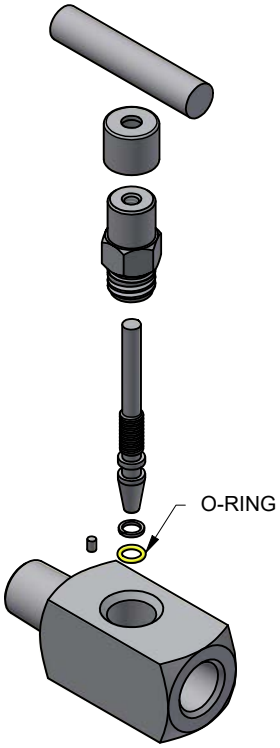
G42HTX22S-EX



G42HVX22S



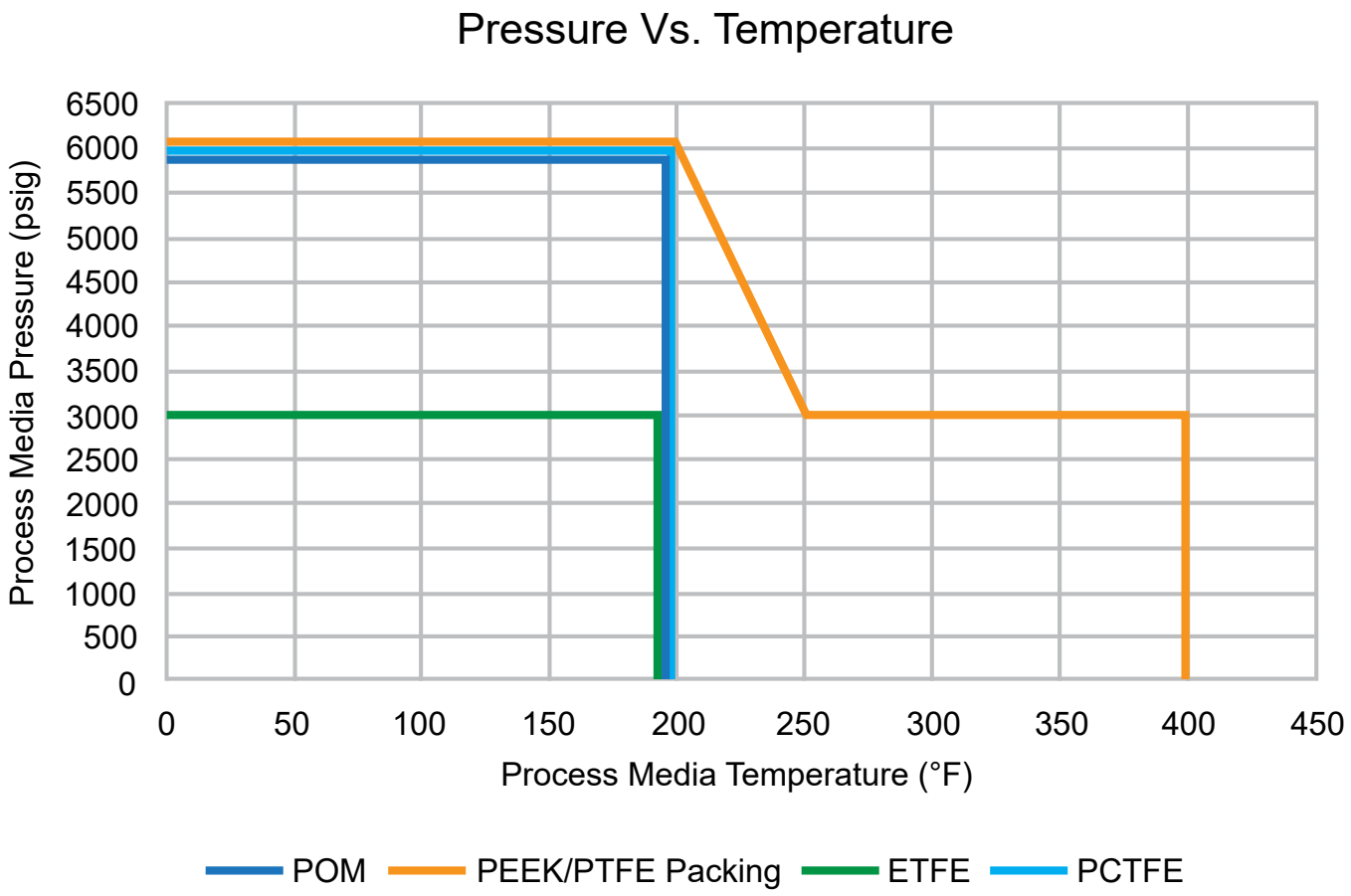
Packed Bonnet Seal Example



O-Ring Example

VALVE SOFT SEAT CHART

Soft Seat



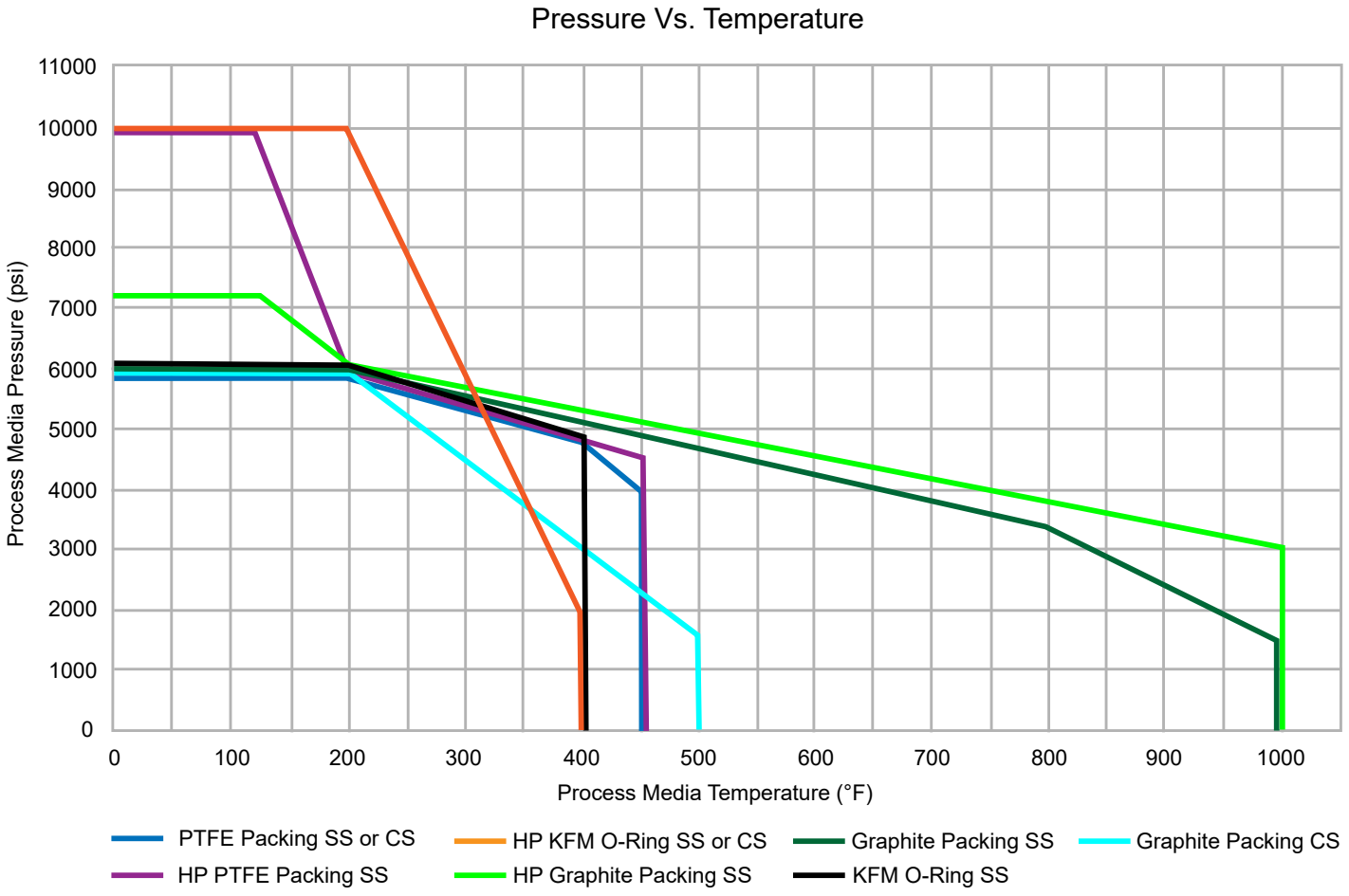
Soft Seat Ratings	
POM	6,000psi at 200°F
PEEK w/ PTFE Packing	6,000psi at 200°F 3,000psi at 400°F
ETFE	3,000psi at 200°F
PCTFE	6,000psi at 200°F

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

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

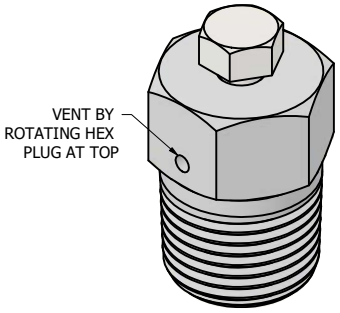
Minimum Temperature Ratings	
No Additional Options	0°F
-MT Option Code	-40°F
-LT Option Code	-67°F

Soft Tip Max Temperature	
POM	212°F
PCTFE	302°F

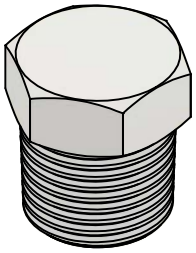
Note: EN 61518 guidelines for direct mount manifolds state that the max temperature on a flange mounted to a transmitter should not exceed 248°F to protect the transmitter from excess heat.

MULTIPORT GAUGE VALVE

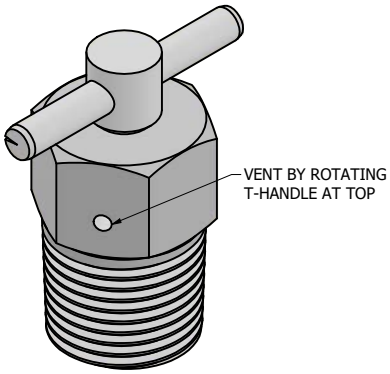
Valve Accessories and Options



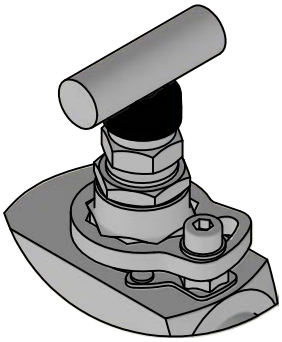
-HP (Hex Plug)



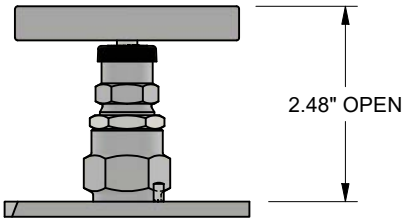
-BP (Bleeder Plug)



-BV (Bleeder Valve)



-PP (Power Piping Option)



H and J (High Pressure Packing)

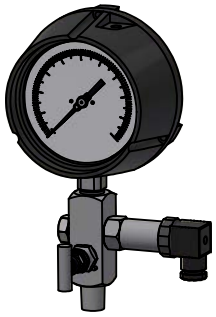
VALVES

MULTIPORT GAUGE VALVE

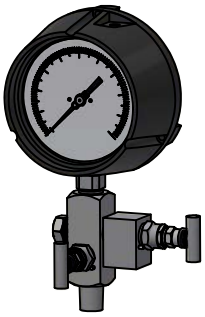
Instrument and Valve Assemblies

Why order a Reotemp Instrument and Valve Assembly?

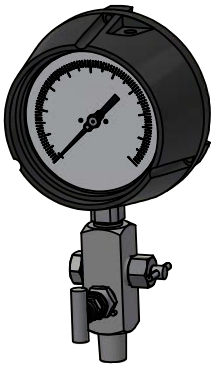
- Easy out-of-the-box installation
- All potential leak paths are factory tested (1,000 psi max)
- High quality sealant for each threaded connection
- Saves time in the field
- Fully customizable to include diaphragm seals, monoflanges, swivel adapters, etc.



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