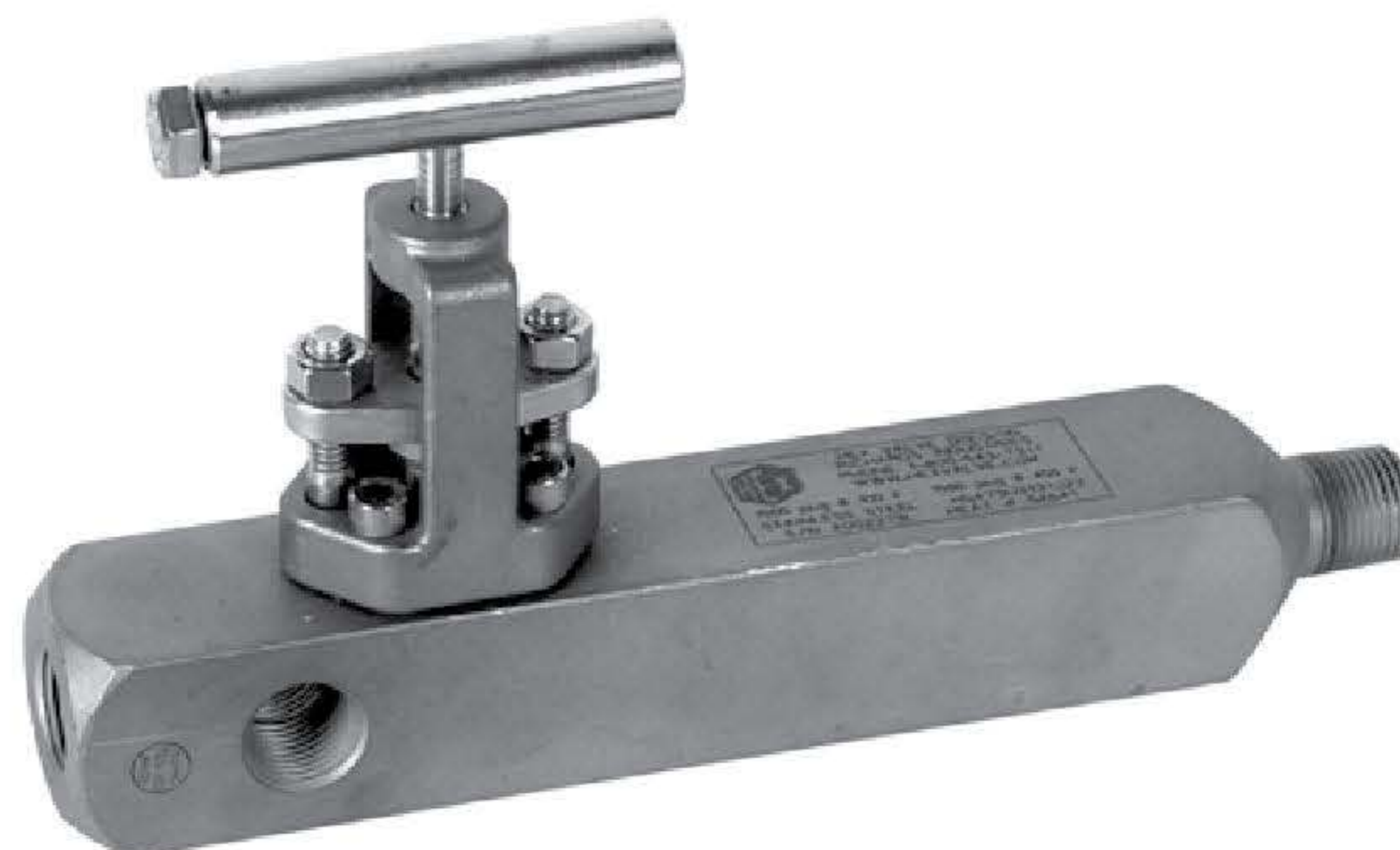


The HG47 is a roddable, hard seated orifice valve that overcomes the drawbacks of conventional valve designs. Ideal for use on high temperature, viscous services — the HG47 provides full port, unrestricted flow. The HG47 features an OS&Y bolted bonnet with weld or threaded connections. The accessible hard seat insert and nonrotating tip (NRT) stem are machined for precision fit, yet field-replaceable to allow for long service life.

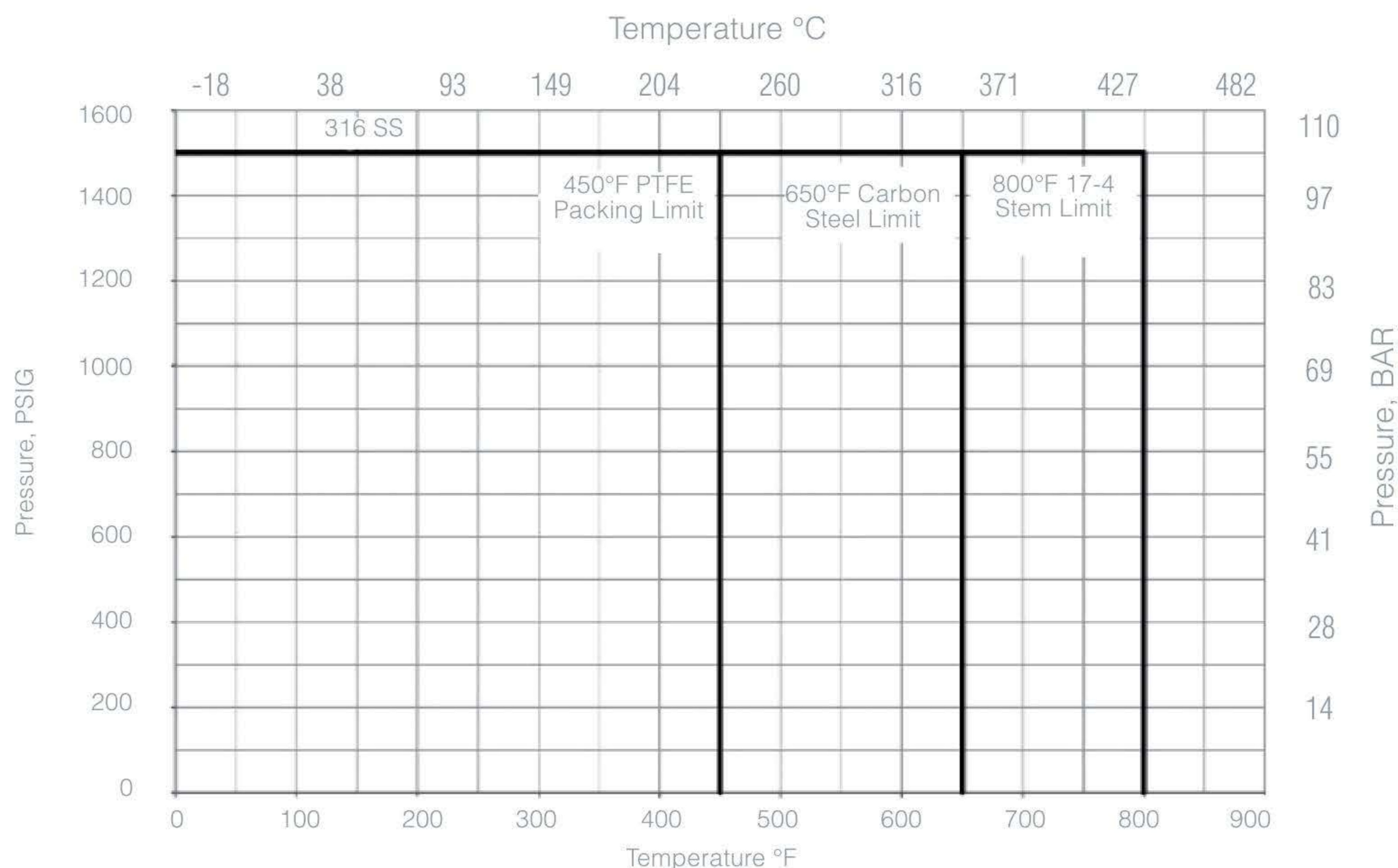
Features and Benefits

- Cost savings by reducing number of components and leak points.
- Compact design allows for less space to be used with used with other valves.
- Non-rotating tip eliminates seat galling and provides a bubble-tight shut off.
- Packing below the threads prevents lubricant wash out and corrosion.



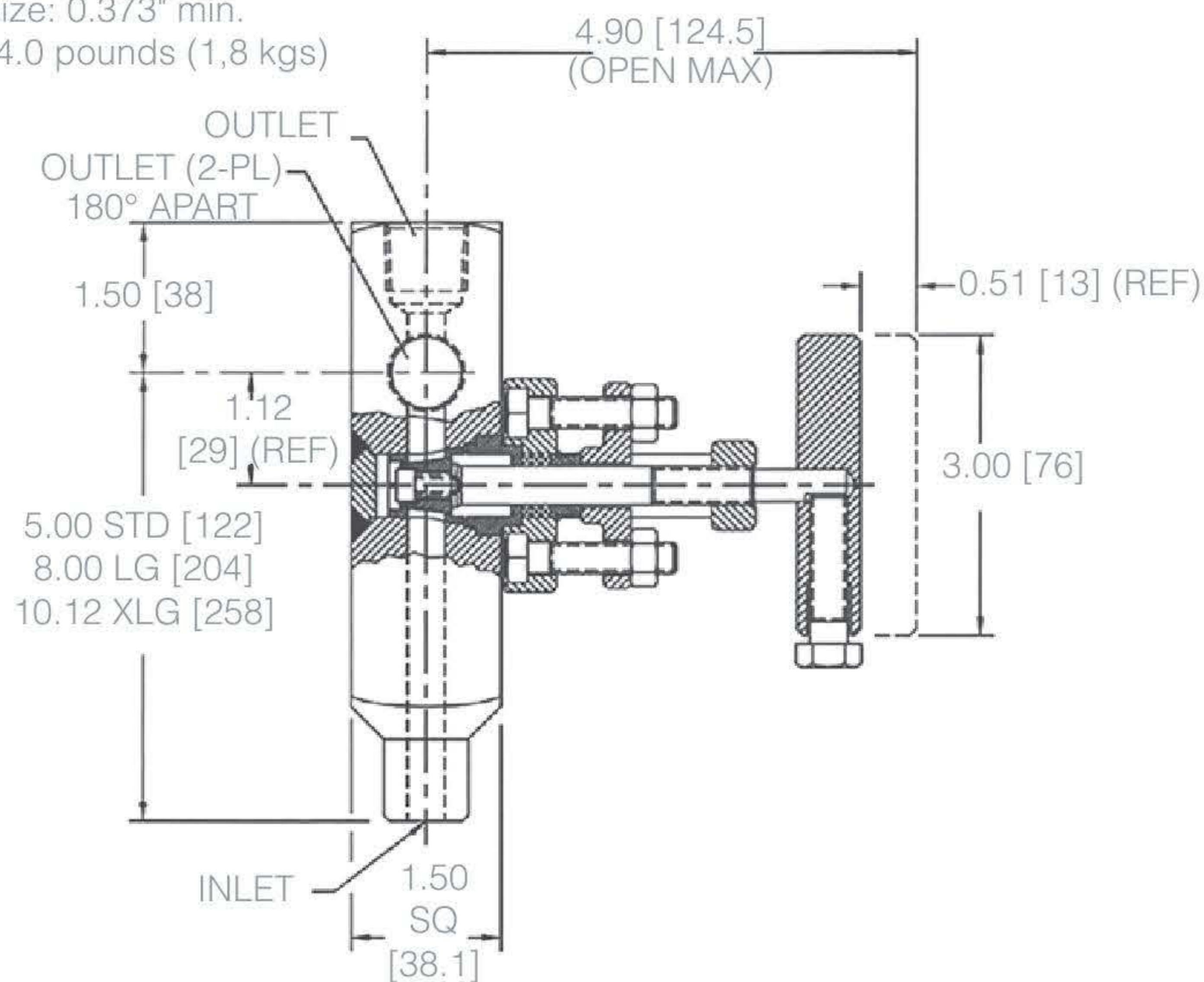
HG47 shown with typical rodding tool (not supplied with products).

Pressure and Temperature Chart

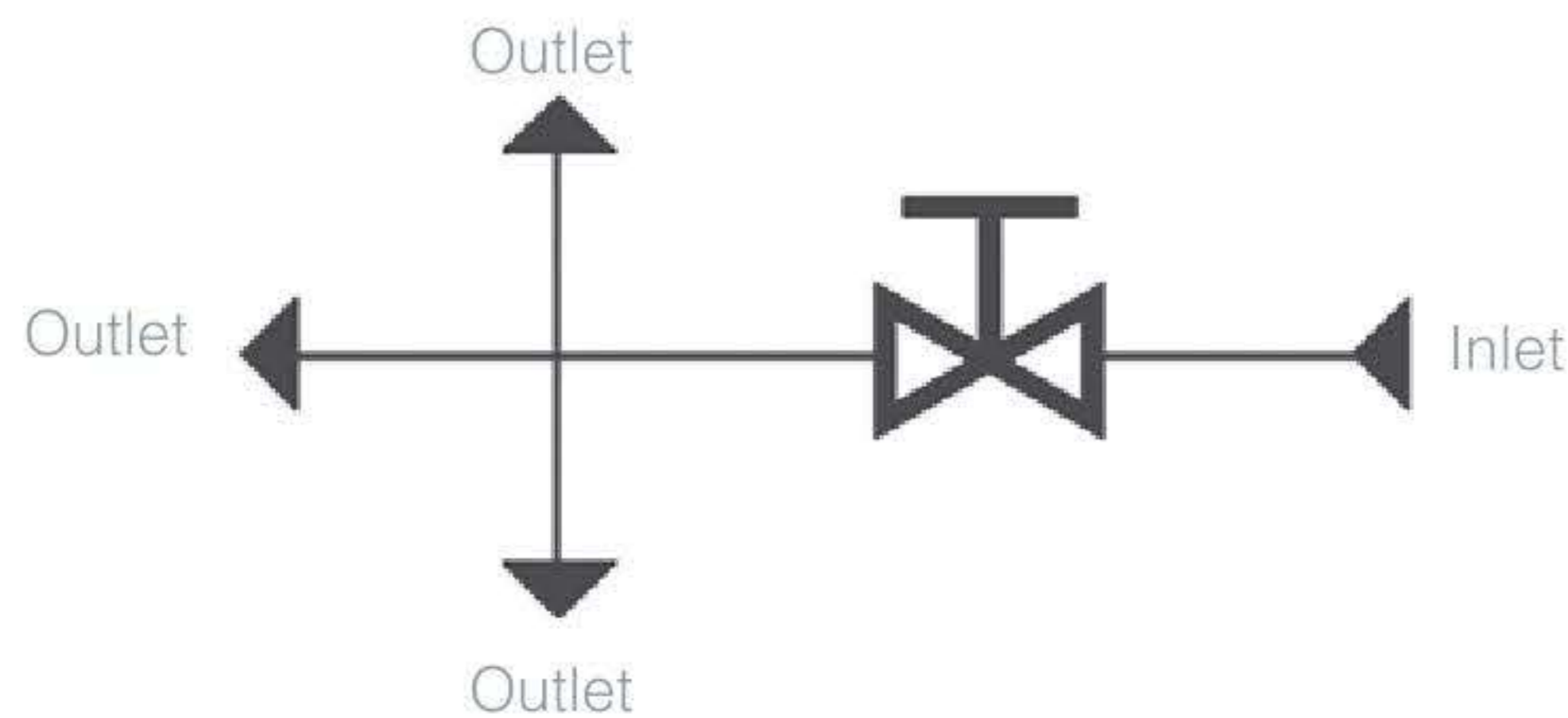


Dimensions

Orifice Size: 0.373" min.
Weight: 4.0 pounds (1,8 kgs)



Flow Schematic for HG47



How to Order

| Model Number | Seat Configuration | Body Material | Inlet Size | Inlet Type | Outlet Size | Outlet Type | Stem / Tip | Seat Material* | Packing | Optional Items |
|--------------|--------------------------------|----------------------------|------------|------------|-------------|----------------------|-------------------------------|-------------------|------------------|--------------------|
| HG47 | 1 = Hard | S = Carbon Steel (A108) | 3 = 1/2" | 1 = MNPT | 3 = 1/2" | 1 = FNPT | 2 = 316 SS Needle (soft seat) | 1 = Integral | 2 = TFE-Chevron | 2 = 410 SS Bolting |
| | 3 = Hard, "LG" Extension | U = Stainless Steel (A108) | 4 = 3/4" | 2 = MSW | | A = HB241 | J = 316 SS NRT / 17-4 PH | 2 = 316 SS Insert | 3 = Graphite | |
| | 5 = Hard, "XLG" Extension | P = Carbon Steel | | 3 = FNPT | | R = Plug (1) | | 4 = PPS | 6 = Viton O-Ring | |
| | 6 = Soft Seat, "XLG" Extension | | | 4 = FSW | | F = HB241 + Plug (1) | | 5 = KEL-F | | |
| | | | | | | | | 6 = TFE | | |
| | | | | | | | | 9 = PEEK | | |
| | | | | | | | | 3 = Stellite | | |

*For additional hard seat materials, contact factory.

Sample Ordering Schematic

| | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|--|
| HG47 | 1 | S | 3 | 3 | 1 | 1 | 4 | 1 | 2 | |
|------|---|---|---|---|---|---|---|---|---|--|