

PRESSURE V/S TEMPERATURE RATINGS

Needle valves and manifolds are designed from Bar-stock bar for operating in any fluid up to 6,000 psig (414 barg) rating. The valves comes with a standard gland packing and self centering non rotational tip, which gives a bubble tight shut off.

The main Gland Packing materials are;

PTFE

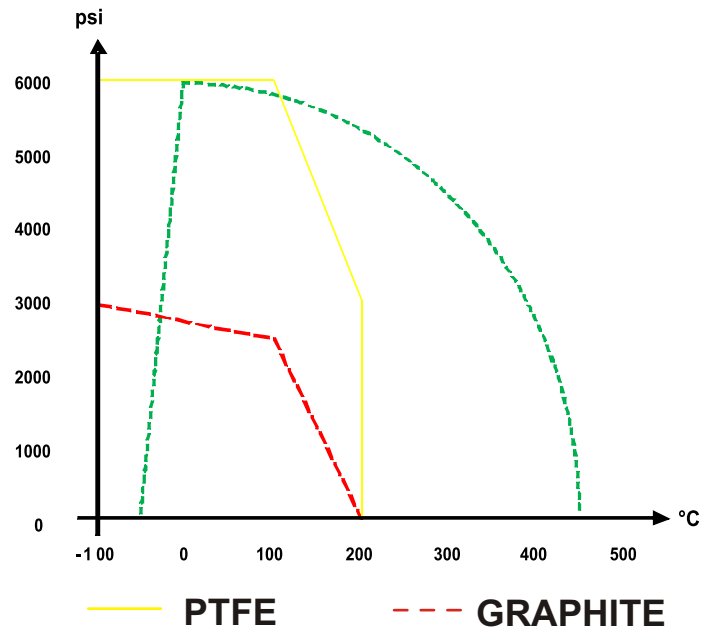
Max Allowed Working Pressure ratings

- ☉ 6000 psi (413.7 bar) at 100°C
- ┌ 3000 psi (206.8 bar) at 200°C

GRAPHITE / GRAFOIL

Max Allowed Working Pressure ratings

- ☉ 6000 psi (413.7 bar) at 200°C
- ┌ 3000 psi (206.8 bar) at 430°C



Pressure V/s Temperature - Austenitic SS
ASME BPV Code VIII Div 1

- ┌ All valves have an over pressure rating safety margin if 1.5 times to the working pressure.

TYPE OF STEMS
HS : HARD SEATED


- Conical metal tip
- ┌ Max working pressure up to 400 bar
- ┌ Max working temperature up to 240°C with P T F E packing
- ┌ Max working temperature up to 400°C with Graphite Packing
- ┌ Applicable models : V101, V102, V103, V203, M102, M103, M104, M105, M201, M202

SS : SOFT SEATED


- "Derlin" tip
- ┌ Max working pressure up to 400 bar
- ┌ Max working temperature up to 100°C with P T F E Packing
- ┌ Designed specifically for using in Gas services
- ┌ Applicable models : V101, V102, V103, V203

RP : RAISING PLUG


- Raising plug tip
- ┌ Max working pressure up to 400 bar
- ┌ Max working temperature up to 240°C with P T F E Packing
- ┌ Designed for solid particle contaminate fluid services
- ┌ Replaceable Derlin soft seating which absorb the contaminate and ensure Bubble tight sealing
- ┌ Applicable models : V101, V102, V103, V203

YS : MINIATURE TIP


- Miniature tip
- ┌ Max working pressure up to 200 bar
- ┌ Max working temperature up to 240°C with P T F E Packing
- ┌ Applicable models : V104, V105