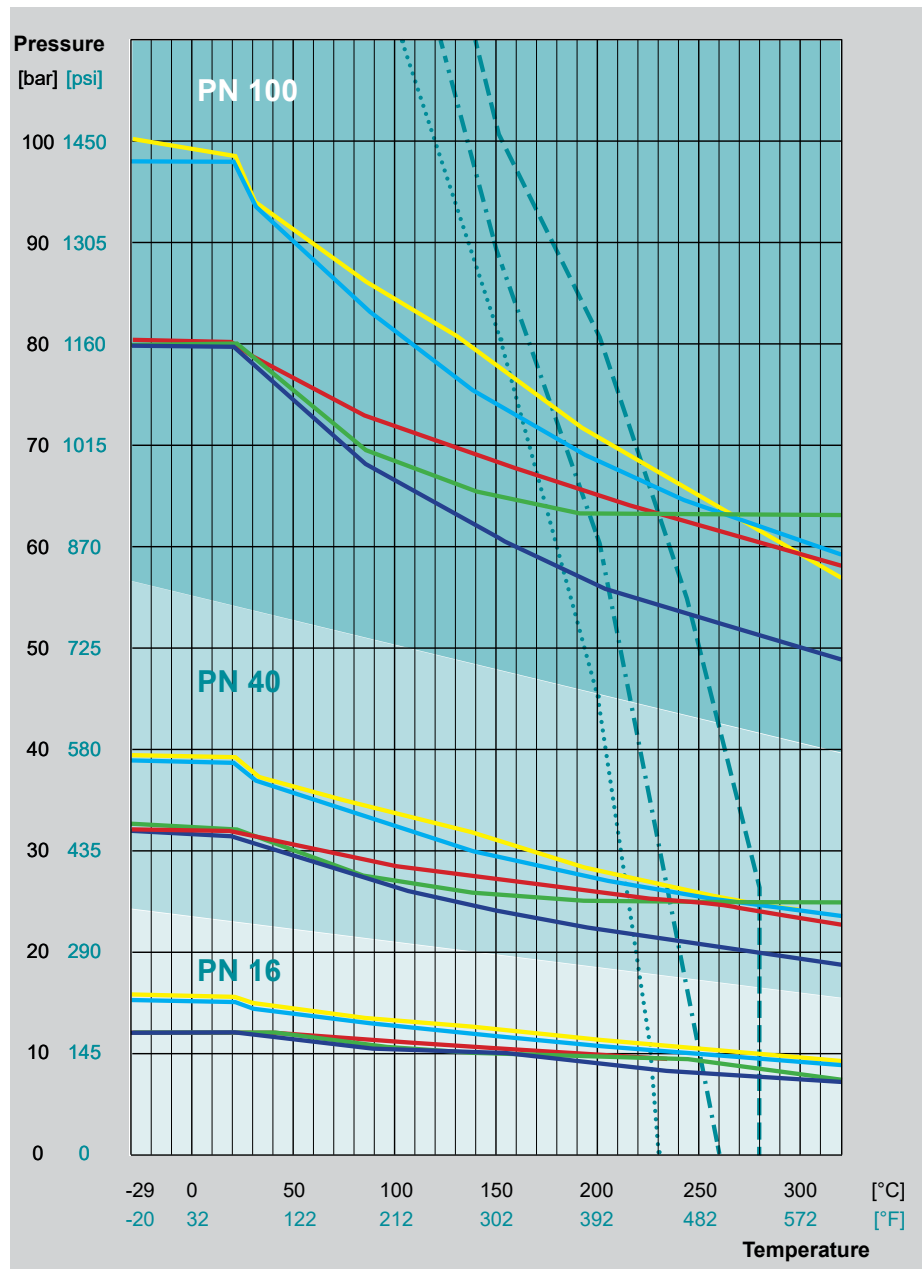


PT Diagram: for metallic valves, PN 16 - PN 100

The data given are max. values according to EN 12516-1 and EN 1092-1. In borderline cases, the manufacturer has to be contacted. Pressure-Temperature-Diagram for other materials and pressure ratings on request.

For use below -29°C / -20°F ($T_{\min} = -60^{\circ}\text{C}$ / -76°F) operating temperature, low-temperature or austenitic stainless steels are required.

Subject to technical change without notice.



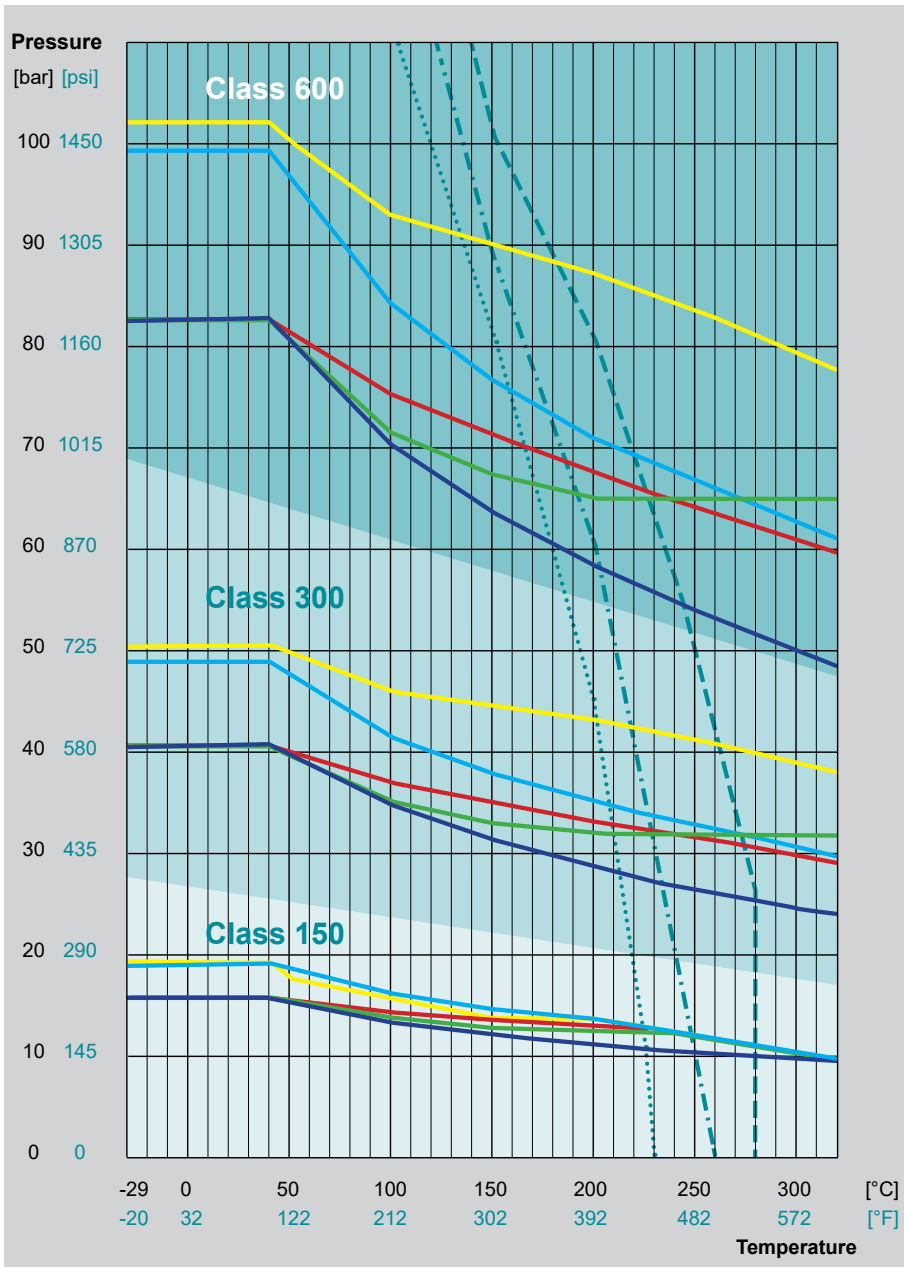
Body material

- EN 10213 - 1.0619 / ASTM A216 - WCB
- EN 10213 - 1.4408 / ASTM A351 - CF8M
- EN 17744 - 2.4819 / ASTM A494 - CW12MW / Hastelloy
- EN 17730 - 2.4365 / ASTM A494 - M35.1 / Monel 400
- UNS N08007 - 1.4500 / ASTM A351 - CN7M Alloy 20
- other body materials on request

Sleeve material

- ⋯ PTFE (virgin, glass) $T_{\max} 230^{\circ}\text{C}$ (446 $^{\circ}\text{F}$)
- - - PTFE (graphite + mod.PTFE) $T_{\max} 250^{\circ}\text{C}$ (482 $^{\circ}\text{F}$)
- - - PTFE-P $T_{\max} 280^{\circ}\text{C}$ (535 $^{\circ}\text{F}$), after consulting 315 $^{\circ}\text{C}$ (600 $^{\circ}\text{F}$) possible, other sleeve materials on request

PT Diagram: for metallic valves, Class 150 - Class 600



The data given are max. values according to ASME B16.34. In borderline cases, the manufacturer has to be contacted. Pressure-Temperature- Diagram for other materials and pressure ratings on request.

For use below $-29^{\circ}\text{C} / -20^{\circ}\text{F}$ ($T_{\min} = -60^{\circ}\text{C} / -76^{\circ}\text{F}$) operating temperature, low-temperature or austenitic stainless steels are required.

Subject to technical change without notice.

Body material

- EN 10213 - 1.0619 / ASTM A216 - WCB
- EN 10213 - 1.4408 / ASTM A351 - CF8M
- EN 17744 - 2.4819 / ASTM A494 - CW12MW / Hastelloy
- EN 17730 - 2.4365 / ASTM A494 - M35.1 / Monel 400
- UNS N08007 - 1.4500 / ASTM A351 - CN7M Alloy 20
- other body materials on request

Sleeve material

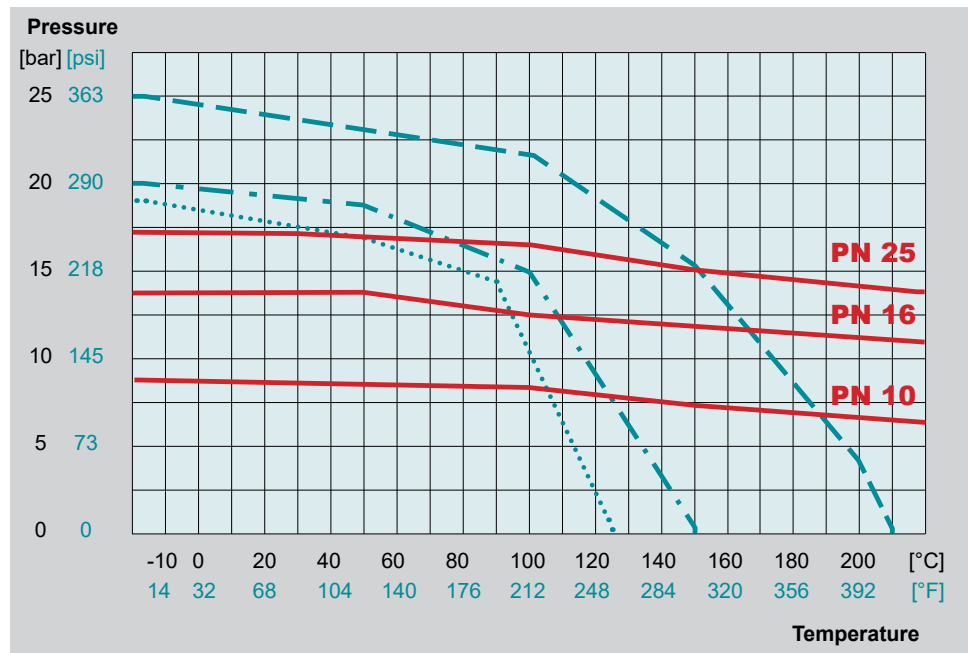
- ⋯ PTFE (virgin, glass) $T_{\max} 230^{\circ}\text{C} (446^{\circ}\text{F})$
- - - PTFE (graphite + mod.PTFE) $T_{\max} 250^{\circ}\text{C} (482^{\circ}\text{F})$
- PTFE-P $T_{\max} 280^{\circ}\text{C} (535^{\circ}\text{F})$, after consulting $315^{\circ}\text{C} (600^{\circ}\text{F})$ possible, other sleeve materials on request

PT Diagram: for lined valves, PN 10 - PN 25

The data given are max. values according to EN 12516-4. In borderline cases, the manufacturer has to be contacted. Pressure-Temperature-Diagram for other materials and pressure ratings on request.

For use below -10°C / 14°F operating temperature, low-temperature or austenitic stainless steels are required.

Subject to technical change without notice.



Body material

— Ductile Iron EN 1563, EN-GJS-400-18-LT ASTM A395
other body materials on request

Lining combination

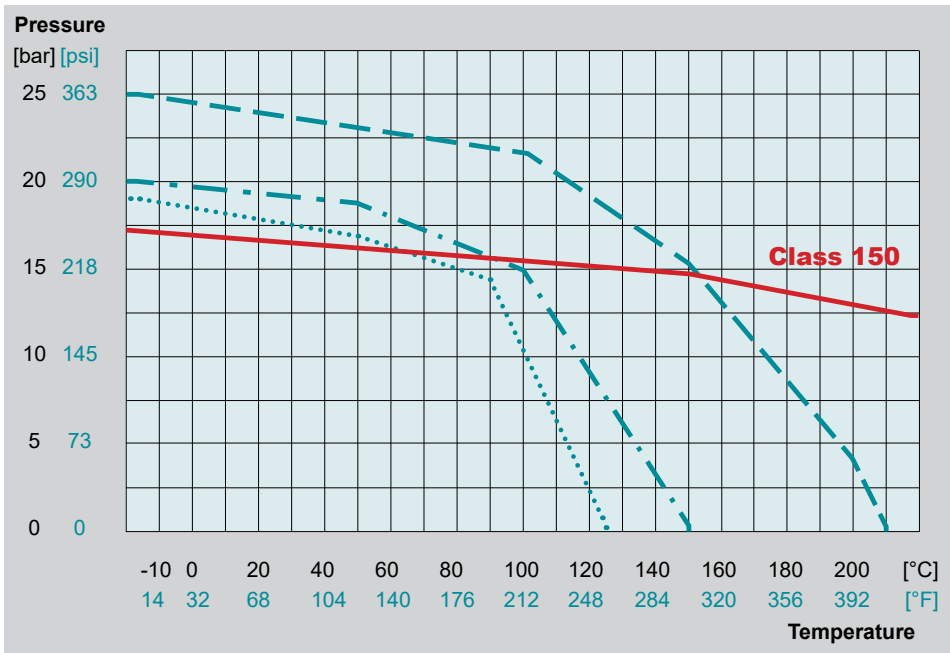
Body	Plug	T _{MAX}
— — — PFA or FEP	PTFE or special*	210°C / 410°F
- · - · - PFA or FEP	PFA or FEP	150°C / 302°F
· · · · · PFA conductive	PFA conductive**	125°C / 257°F

*) Special materials (metallic) for plugs without lining on request

**) Material combination PFA / FEP possible

Maximum breakaway torque depending on material combinations according the technical data sheets of the plug valve.

PT Diagramm: for lined valves, Class 150



The data given are max. values according to ASME B16.34 / B16.42. In border-line cases, the manufacturer has to be contacted. Pressure-Temperature-Diagram for other materials and pressure ratings on request.

For use below -10°C / 14°F operating temperature, low-temperature or austenitic stainless steels are required.

Subject to technical change without notice.

Body material

— Ductile Iron EN 1563, EN-GJS-400-18-LT ASTM A395
other body materials on request

Lining combination

	Body	Plug	T _{MAX}
---	PFA or FEP	PTFE or special*	210°C / 410°F
-.-.-	PFA or FEP	PFA or FEP	150°C / 302°F
.....	PFA conductive	PFA conductive**	125°C / 257°F

*) Special materials (metallic) for plugs without lining on request

**) Material combination PFA / FEP possible

Maximum breakaway torque depending on material combinations according to the technical data sheets of the plug valve.