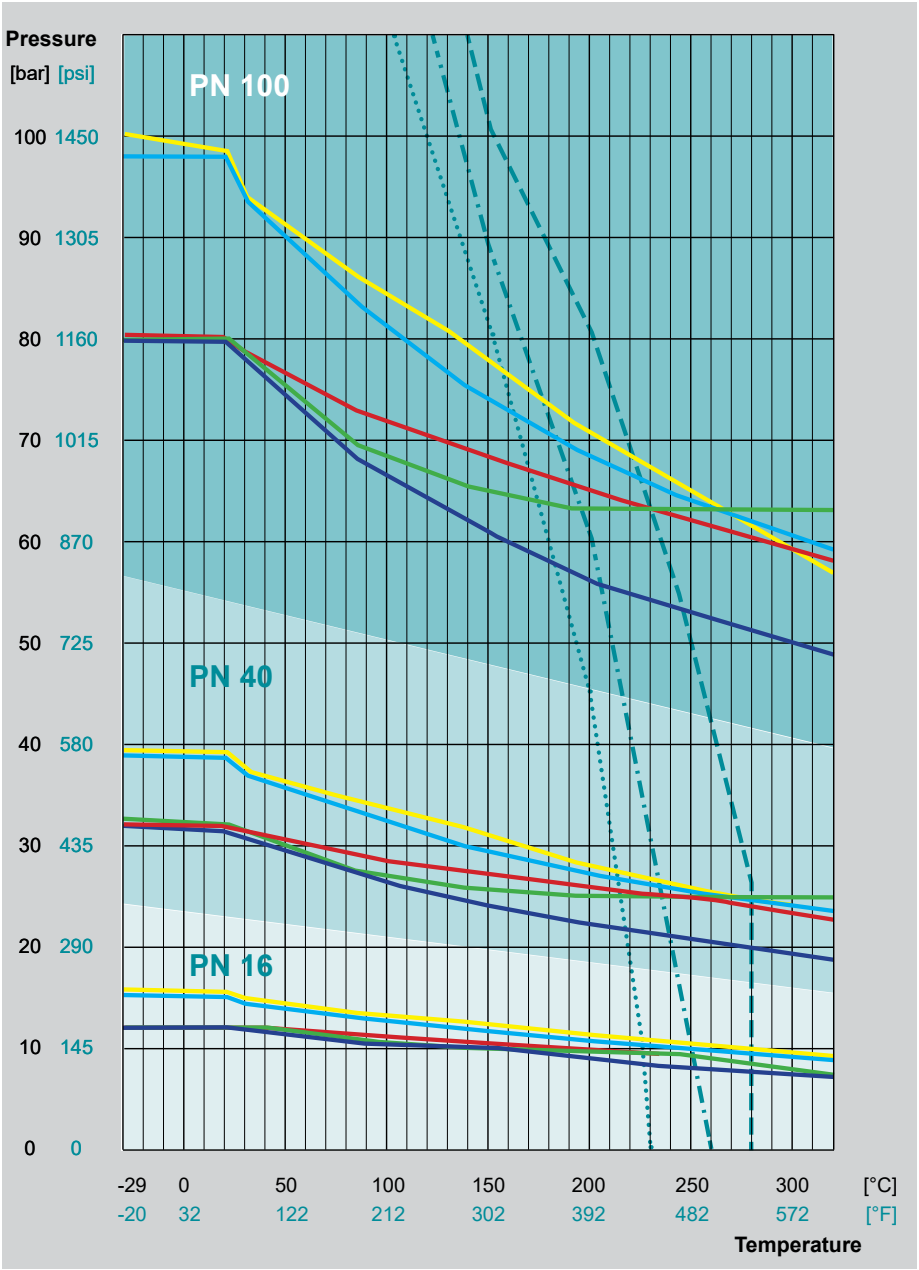
PT Diagram:
for metallic valves, PN 16 - PN 100

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°C / -76°F) operating temperature, low-temperature or austenitic stainless steels are required.

Subject to technical change without notice.



Body material

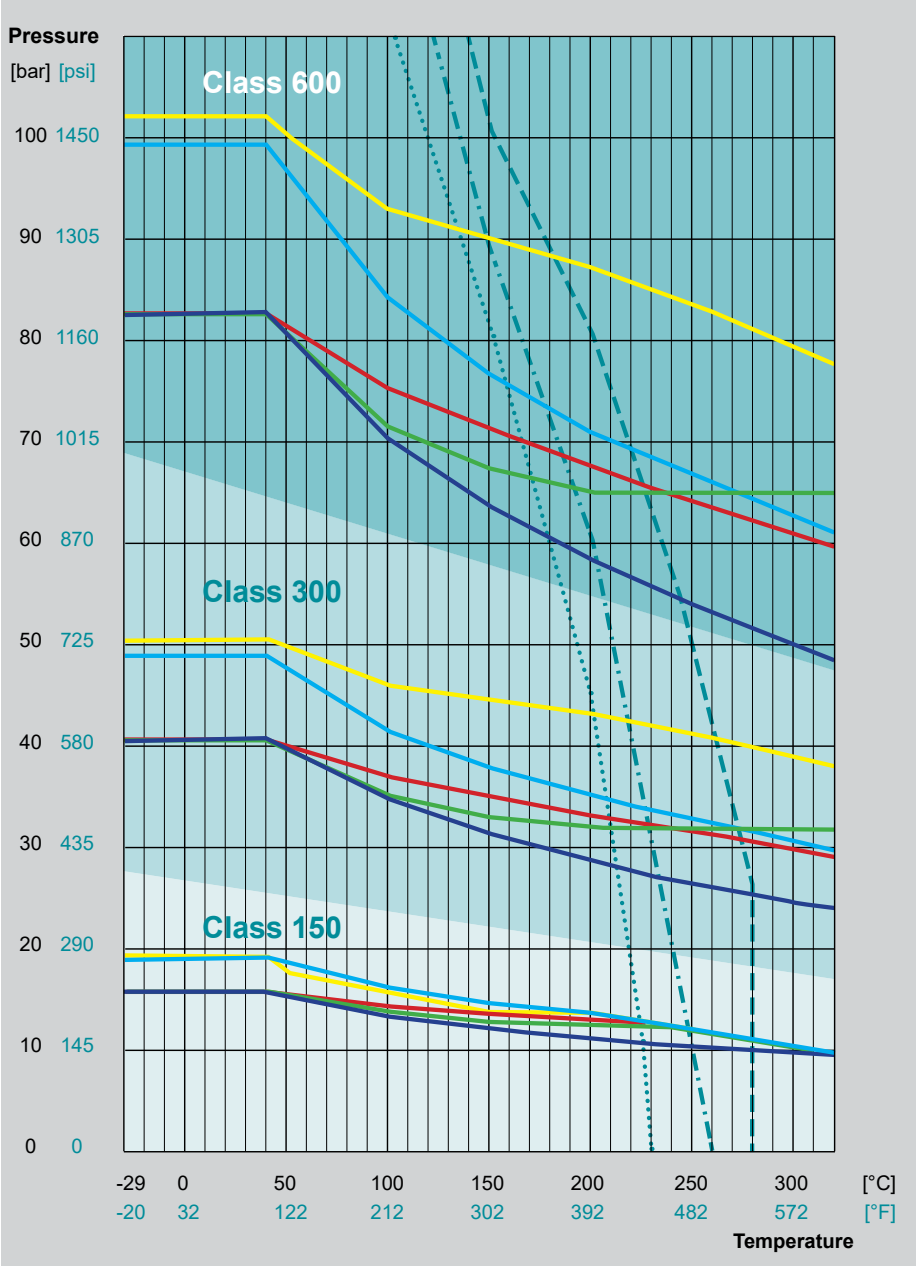
- EN 10213 - 1.0619 / ASTM A216 - WCB
- EN 10213 - 1.4408 / ASTM A351 - CF8M
- EN 17744 - 2.4819 / ASTM A494 - CW12MW / Hastelloy
- EN 17730 - 2.4365 / ASTM A494 - M35.1 / Monel 400
- UNS N08007 - 1.4500 / ASTM A351 - CN7M Alloy 20

other body materials on request

Sleeve material

PTFE (virgin, glass)	T_{max} 230°C (446°F)
PTFE (graphite + mod.PTFE)	T_{max} 250°C (482°F)
PTFE-P	T_{max} 280°C (535°F), after consulting 315°C (600°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°C / -20°F (T_{min} = -60°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

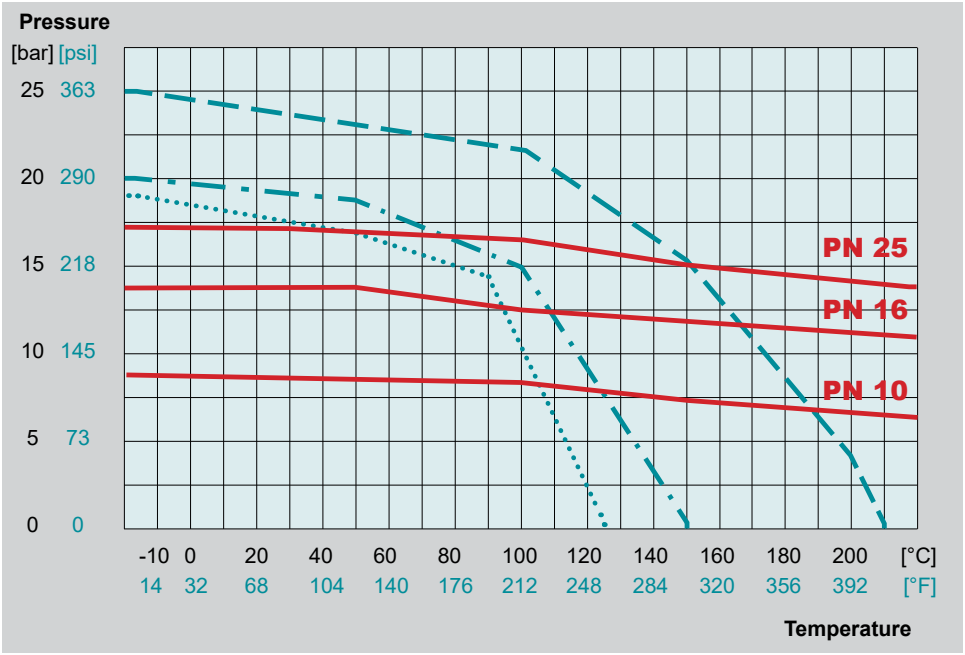
PTFE (virgin, glass)	T_{max} 230°C (446°F)
PTFE (graphite + mod.PTFE)	T_{max} 250°C (482°F)
PTFE-P	T_{max} 280°C (535°F), after consulting 315°C (600°F) possible, other sleeve materials on request

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

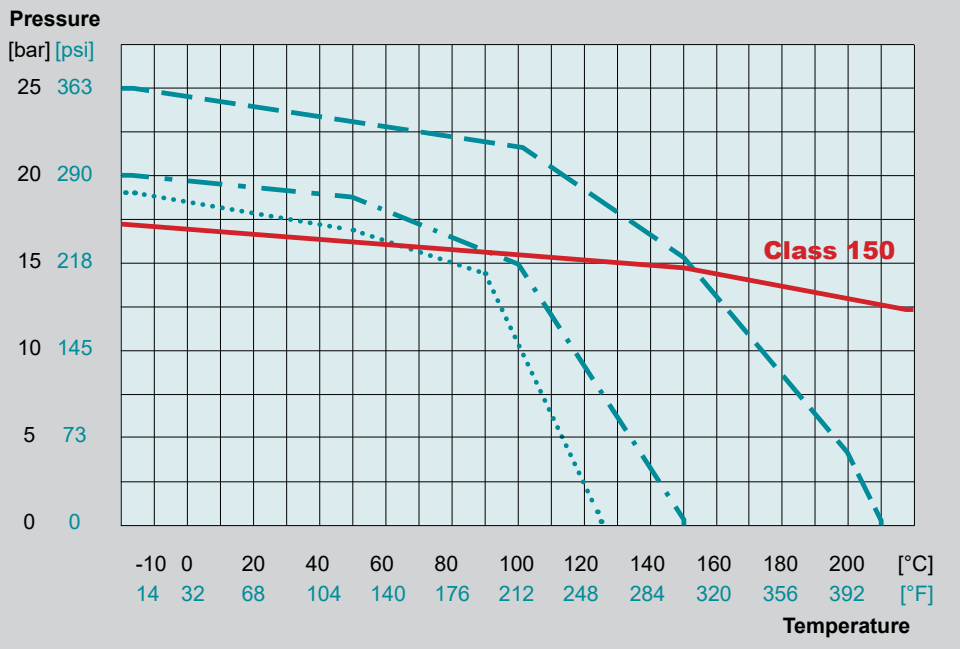
	Body	Plug	T_{MAX}
– – –	PFA or FEP	PTFE or special*	210°C / 410°F
– · –	PFA or FEP	PFA or FEP	150°C / 302°F
· · ·	PFA conductive	PFA conductive**	125°C / 257°F

*) 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 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.