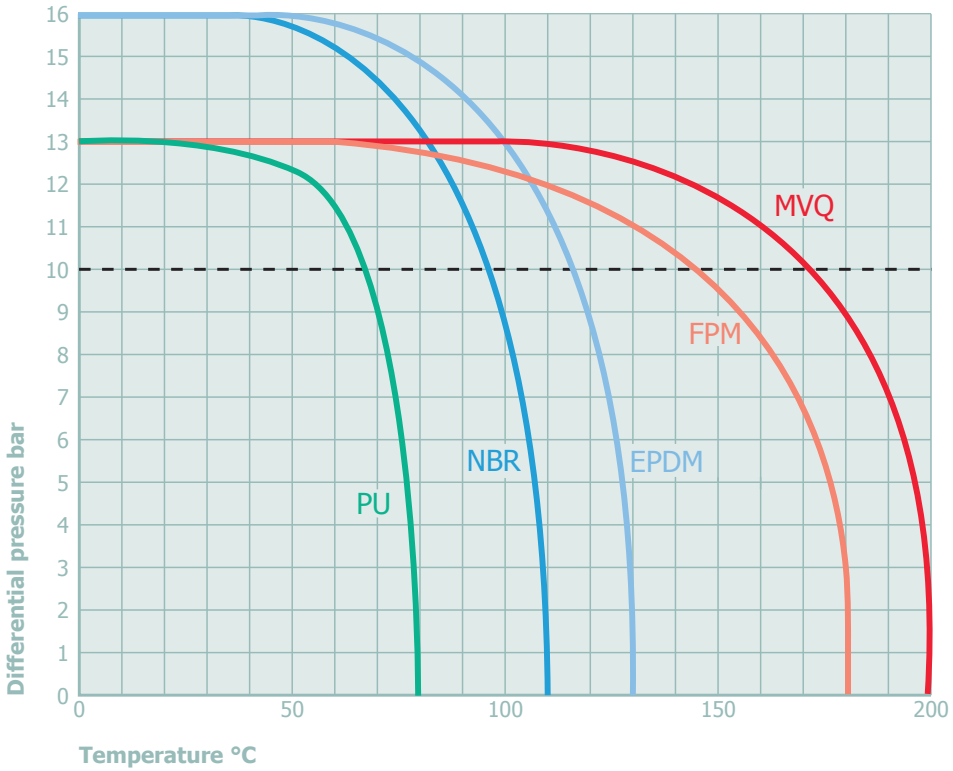
Pressure and temperature range diagram

Control range
20° – 60° opening angle
Vacuum-tight up to 10^{-2} mbar
Valves from DN 200
In case of a differential pressure of more than 13 bar, it is necessary to use seat rings with a higher Shore hardness
Valves from DN 600
max. differential pressure 10 bar, available seat ring materials: EPDM and NBR
Lug style body
If it is removed from the flange on one side, max. differential pressure 6 bar

The pressure and temperature range diagram shows the application limits ofthe different seat ring materials. Theselimits apply to the intended use. Process variables and characteristics of the medium can influence the values of the diagram. Temperatures below 0 °C upon request.



Available materials

Code	Body
22	Grey cast iron GG25, EN GJL-250
44	Cast steel GS-C25, EN GP 240 H+N
24	Ductile iron GGG40.3 EN-GJS-400-18-LT
66	Stainless steel 1.4408

Code	Seat ring
E	EPDM
Ew	EPDM white
B	NBR
S	MVQ (silicone)
V	FPM
PU	PU (polyurethane)
H	CSM

Code	Valve disc
66	Stainless steel 1.4517
31	Stainless steel 1.4517, polished
13	Bronze
69	Stainless steel 1.4529
77	PTFE-lined
78	E-CTFE-coated
79	EPDM-rubber lined
93	Alloy C 22
94	Titanium

EPDM (Ethylene-Propylene-Terpolymer)
Operating temperature: -20 °C to + 130 °C

NBR (nitrile rubber)
Operating temperature: - 20 °C to + 110 °C

MVQ (silicone rubber)
Operating temperature: - 30 °C to + 200 °C

FPM (fluorine elastomer)
Einsatztemperatur: - 10 °C to + 180 °C

PU (polyurethane)
Operating temperature: - 20 °C to + 80 °C

CSM (chlorosulfonated polyethylene)
Operating temperature: - 10 °C to + 130 °C