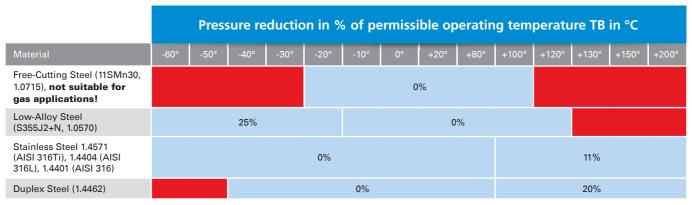
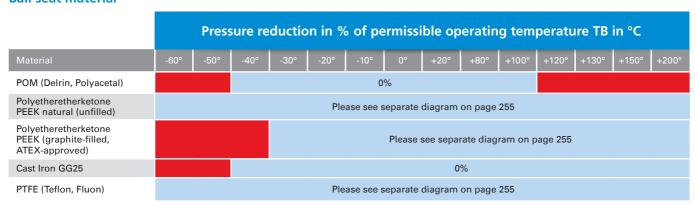
List of standard materials (other materials on request)

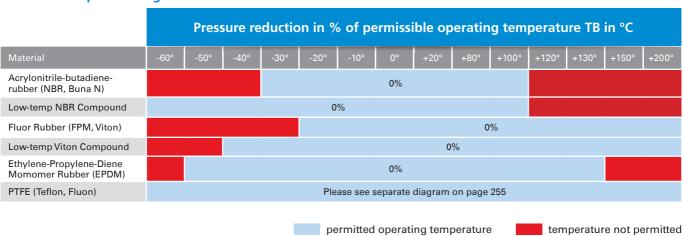
Body, adapters, stem and ball materials



Ball seat material



Stem and adapter sealing materials



Calculation example

BKH-DN13-G1/2"-44g8

PN=500bar Body: 1.4571

Ball seat: PEEK (graphite-filled)

O-ring: FPM

Application temperature: max. +180°C

Pressure reduction body: 11% (500 bar - 11% = 445 bar)

Pressure ball seat: 95 bar Pressure reduction O-ring: 0%

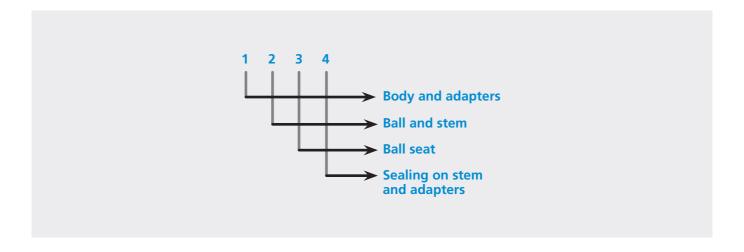


Result:

Pmax (180°C) = 95 bar



General material combinations of MHA products



Digit 1 - Body and adapters

1	Body and adapters	Free-Cutting Steel
2	Body and adapters	Low-Alloy steel
4	Body and adapters	Stainless Steel
6	Body and adapters	Aluminum
8	Body	Low-Alloy Steel
	Adapters	Free-Cutting Steel
Н	Body and adapters	Hastelloy
N	Body and adapters	Monell
Т	Body and adapters	Titanium

Digit 2 - Ball and stem

	Ball and stem	Free-Cutting Steel
2	Ball	Stainless Steel
	Stem	Free-Cutting Steel
4	Ball and stem	Stainless Steel
	Ball	Brass
	Stem	Free-Cutting Steel
Н	Ball and stem	Hastelloy
N	Ball and stem	Monell
Т	Ball and stem	Titan

Digit 3 - Ball seat

	-
2	POM
4	PTFE
7	PTFE-(fiber-glass reinforced)-encased
8	POM front side sealing
9	PTFE front side sealing
0	PVDF
а	PEEK with ATEX-certification
b	POM-encased
d	Pure graphite
f	Steel, Cast Iron
g	PEEK
m	PEEK with protection ring against erosion
E	PTFE-fiber-glass reinforced with O-ring arranged behind
F	Stainless Steel
Н	POM with protection ring against erosion

Digit 4 - Sealing on stem and adapters

0	Sealing on stem	Isocyanate sealing
	Sealing on adapters	FPM
4	Sealing on stem	PTFE sealing
	Sealing on adapters	FPM
8	Sealing on stem and adapters	FPM
d	Sealing on stem and adapters	Pure graphite
k	Sealing on stem and adapters	FFKM
m	Sealing on stem and adapters	FEPM
А	Sealing on stem and adapters	NBR
В	Sealing on stem and adapters	EPDM
E	Sealing on stem and adapters	PU
S	Sealing on stem and adapters	VMQ
N	Sealing on stem and adapters	Cr

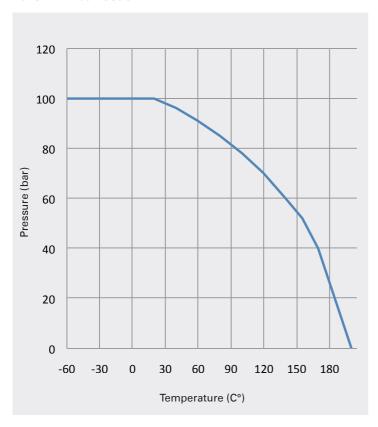


!\ Other materials on request.

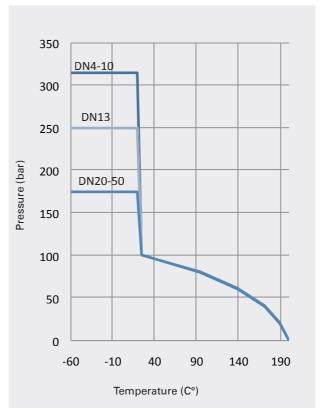


Pressure / Temperature curves Admissible working pressure of MHA ball valves

Pure PTFE ball seat



Teflon-fiber-glass-reinforced ball seat



PEEK ball seat

