

For aggressive or corrosive gases

DN 16 - 160

These products are subject to the Non Proliferation Treaty (NPT)



Body material

aluminum or stainless steel

Manual or pneumatic actuator

Sealing materials

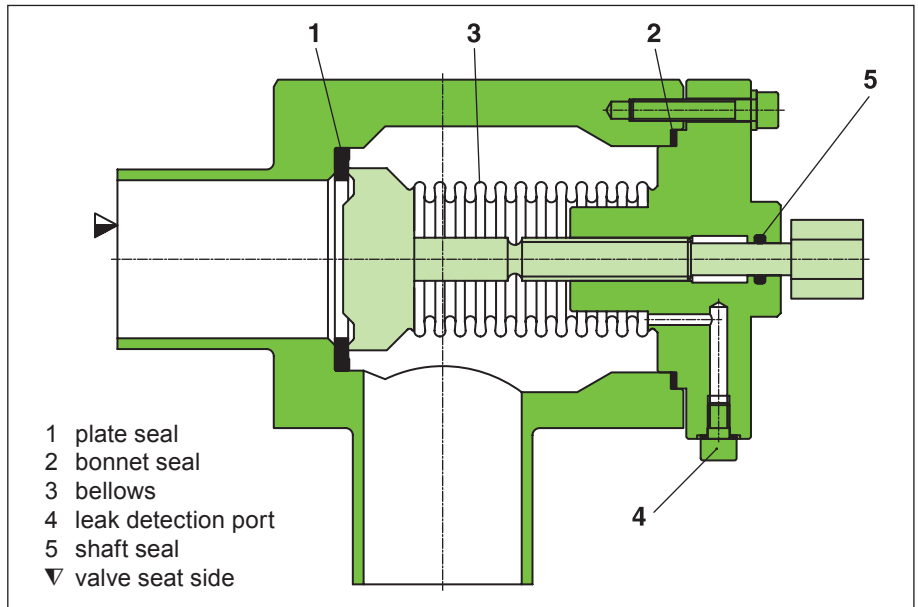
Plate: Tenic

Bonnet: PFA

copper with DN 25 - 40
if valve body is made of
stainless steel

Feedthrough

Bellows with shaft seal



- 1 plate seal
- 2 bonnet seal
- 3 bellows
- 4 leak detection port
- 5 shaft seal
- ▽ valve seat side

Technical data

Leak rate	
- Body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
- Valve seat	$< 1 \cdot 10^{-7}$ mbar ls ⁻¹
Pressure range	$1 \cdot 10^{-7}$ mbar to 4 bar
Differential pressure on the plate	≤ 4 bar
Cycles	5000
Temperature ¹⁾	
- Valve body, manual actuator	$\leq 120^{\circ}\text{C}$ (copper bonnet seal)
	$\leq 100^{\circ}\text{C}$ (PFA bonnet seal)
- Pneumatic actuator	$\leq 100^{\circ}\text{C}$ (option: 120°C)
Material	
- Valve body	AISI 316L (1.4435) ²⁾ or EN AW-5049 (3.3527)
- Bellows	AISI 316L (1.4404)

¹⁾ Maximum values: depending on operating conditions and sealing materials

²⁾ AISI 304L (1.4306) optional