

Series 66.0

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

Main applications

Pressure control and isolation valve for processes with aggressive and corrosive gases

Features

Body material: stainless steel

Pressure control and isolation

Evacuation of bellows interior possible

External pressure controller



Ordering information

Valve with stepper motor
(external pressure controller
or with manual actuator)

Nominal I. D.	16–50 mm ($\frac{5}{8}$ "–2")
Ordering numbers	on request

Technical data

Leak rate ¹⁾	
– Valve body	$< 1 \cdot 10^{-9}$ mbar Is ⁻¹
– Valve seat	$< 1 \cdot 10^{-6}$ mbar Is ⁻¹
Pressure range	$1 \cdot 10^{-8}$ mbar to 5 bar (abs)
Differential pressure on the plate	≤ 1 bar
Cycles until first service ²⁾	20 000
Temperature ²⁾	
– Valve body, ambient	≤ 120 °C
Material	
– Valve body, plate	AISI 316L (1.4404 or 1.4435)
– Bellows	AISI 316L (1.4404)
Seal	
– Bonnet (valve with stepper motor)	metal (2.0040.26)
– Bonnet (valve with manual actuator)	PFA
– Plate	Tenic
Feedthrough	bellows
Mounting position	any
Flow range	
– $K_{v_{min}}$	≥ 0.01 m ³ /h
– $K_{v_{max}}$	≤ 8 m ³ /h
Control range	
– for 1 decade at $K_{v_{min}}$	0.01–0.1 m ³ /h
– for 2 decades at $K_{v_{min}}$	> 0.1 m ³ /h
Typical closing or opening time	< 4 s

¹⁾ Unheated on delivery

²⁾ Maximum values: depending on operating conditions and sealing materials

Pressure controller: data on request

Series 66.3

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

Main applications

Pressure control valve for processes with aggressive and corrosive gases

Features

Body material:
aluminum or stainless steel

Pressure control

Evacuation of bellows interior possible

External pressure controller



Ordering information

Valve with stepper motor
(external pressure controller)

Nominal I.D.	40–100 mm (1½"–4")
Ordering numbers	on request

Technical data

Leak rate ¹⁾ : valve body	< 1 · 10 ⁻⁹ mbar ls ⁻¹
Pressure range	1 · 10 ⁻⁸ mbar to 1 bar (abs)
Differential pressure on the plate	
– DN 40–65	1000 mbar
– DN 100	250 mbar
Cycles until first service ²⁾	125 000
Temperature ²⁾ : valve body, ambient	≤ 70 °C
Material	
– Valve body aluminum	EN AW-5083 (3.3547)
stainless steel	AISI 304 (1.4301) or AISI 316L (1.4404 or 1.4435)
– Plate	AISI 316L (1.4404 or 1.4435)
– Bellows	AISI 316L (1.4404)
Seal: bonnet	PFA
Feedthrough	bellows
Mounting position	any
Flow range	
– K _v _{min}	≥ 0.05 m ³ /h
– K _v _{max}	≤ 80 m ³ /h
Control range	
– To 1 decade at K _v _{min}	0.05–0.1 m ³ /h
– To 2 decades at K _v _{min}	> 0.1 m ³ /h
Typical closing or opening time	
– DN 40–65	< 8 s
– DN 100	< 10 s

¹⁾ Unheated on delivery

²⁾ Maximum values: depending on operating conditions and sealing materials

Pressure controller: data on request