

CONTROL ANGLE VALVE FOR CHEMISTRY, SERIES 66.3

The control angle valve for processes with aggressive and corrosive gases. These products are subject to the Non Proliferation Treaty (NPT).



Stepper motor with external pressure controller

- Outstanding control range
- Accurate flow or position control
- Memory function for power failure
- Maintenance-Free

MAIN FEATURES

Sizes	DN 40 – 100 mm (1½" – 4")
Actuators	stepper motor with external pressure controller
Body material	aluminum or stainless steel
Feedthrough	bellows
Standard flanges	weld neck, ISO-KF / ISO-K, or customized

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 DN 100	1000 mbar 250 mbar
Cycles until first service ²⁾		125 000
Temperature ²⁾	Valve body, ambient	≤ 70 °C
Material	Aluminum valve body Stainless steel valve body Plate Bellows	EN AW-5083 (3.3547) AISI 304 (1.4301) or AISI 316L (1.4404 or 1.4435) AISI 316L (1.4404 or 1.4435) AISI 316L (1.4404)
Seal	Bonnet	PFA
Feedthrough		bellows
Mounting position		any
Flow range	Kv _{min} Kv _{max}	≥ 0.05 m ³ /h ≤ 80 m ³ /h
Control range	for 1 decade at Kv _{min} for 2 decades at Kv _{min}	0.05 – 0.1 m ³ /h > 0.1 m ³ /h
Typical closing or opening time	DN 40 – 65 DN 100	< 8 s < 10 s

¹⁾ Unheated on delivery. ²⁾ Maximum values: depending on operating conditions and sealing materials.

FURTHER INFORMATION

On request