

CONTROL ANGLE VALVE FOR CHEMISTRY, SERIES 66.0

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



Manual

Stepper motor with external pressure controller

Isolation and control in one
 Accurate flow or position control
 Maintenance-free

MAIN FEATURES

Sizes	DN 16 – 50 mm (3/8" – 2")
Actuators	manual with hexagon head or stepper motor with external pressure controller
Body material	stainless steel
Feedthrough	bellows
Standard flanges	weld neck, ISO-KF/ISO-K, or customized

TECHNICAL DATA

Leak rate ¹⁾	Valve body Valve seat	<1·10 ⁻⁹ mbar ls ⁻¹ <1·10 ⁻⁶ mbar ls ⁻¹
Pressure range		1·10 ⁻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 Bellows	AISI 316L (1.4404, 1.4435) AISI 316L (1.4404)
Seal	Bonnet (valve with manual actuator) Bonnet (valve with stepper motor) Plate	PFA metal (2.0040.26) Tenic
Feedthrough		bellows
Mounting position		any
Flow range	Kv _{min} Kv _{max}	≥0.01 m ³ /h ≤8 m ³ /h
Control range	for 1 decade at Kv _{min} for 2 decades at Kv _{min}	0.01 – 0.1 m ³ /h >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.

FURTHER INFORMATION

On request