

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

Main applications

For processes with aggressive and corrosive gases



Ordering information

Valve with manual actuator
hexagon head

DN		Ordering numbers			
mm	inch	with weld neck		with ISO-KF flange ¹⁾ ISO-K flange ²⁾	
		aluminum	stainless steel	aluminum	stainless steel
16	5/8	27124-RA02	27124-RE02	27124-KA02 ¹⁾	27124-KE02 ¹⁾
25	1	27128-RA02	27128-RE02	27128-KA02 ¹⁾	27128-KE02 ¹⁾
40	1 1/2	27132-RA02	27132-RE02	27132-KA02 ¹⁾	27132-KE02 ¹⁾
63	2 1/2	27136-RA02	27136-RE02	27136-QA02 ²⁾	27136-QE02 ²⁾
100	4	27140-RA02	27140-RE02	27140-QA02 ²⁾	27140-QE02 ²⁾
160	6	27144-RA02	27144-RE02	27144-QA02 ²⁾	27144-QE02 ²⁾

Valve with pneumatic actuator
single acting with closing spring (NC)
with solenoid valve
with position indicator

DN		Ordering numbers (specify control voltage)			
mm	inch	with weld neck		with ISO-KF flange ¹⁾ ISO-K flange ²⁾	
		aluminum	stainless steel	aluminum	stainless steel
16	5/8	27124-RA41	27124-RE41	27124-KA41 ¹⁾	27124-KE41 ¹⁾
25	1	27128-RA41	27128-RE41	27128-KA41 ¹⁾	27128-KE41 ¹⁾
40	1 1/2	27132-RA41	27132-RE41	27132-KA41 ¹⁾	27132-KE41 ¹⁾
63	2 1/2	27136-RA41	27136-RE41	27136-QA41 ²⁾	27136-QE41 ²⁾
100	4	27140-RA41	27140-RE41	27140-QA41 ²⁾	27140-QE41 ²⁾
160	6	27144-RA41	27144-RE41	27144-QA41 ²⁾	27144-QE41 ²⁾

Options

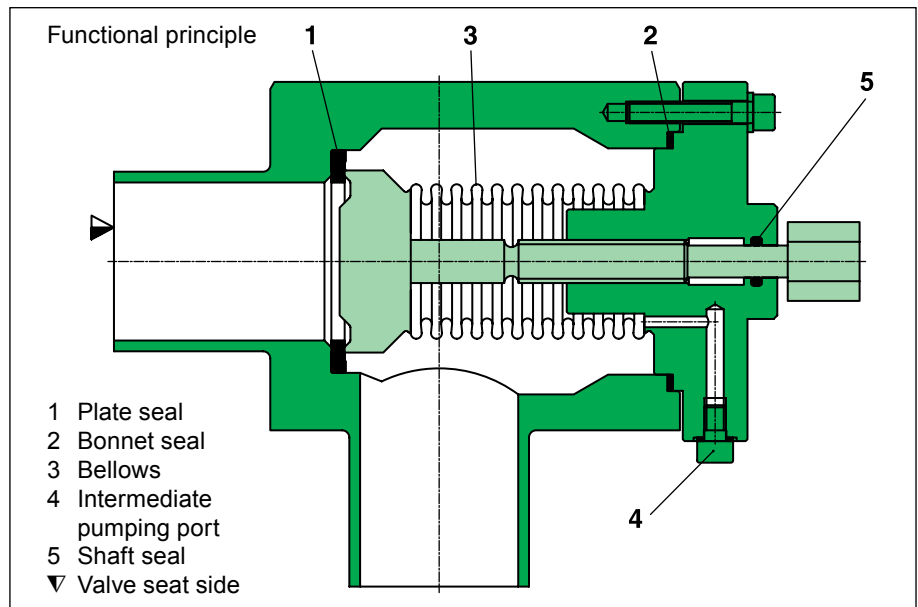
- Manual actuator with torque handwheel
- Manual actuator with electrical position indicator
- Pneumatic actuator, single acting with opening spring (NO)
- Customer specified flanges
- Inline version
- Other options on request

Features

Body material:

aluminum or stainless steel

Bellows with intermediate pumping port



Technical data

Leak rate	
– Valve 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 (abs)
Differential pressure on the plate	≤ 4 bar
Differential pressure at opening	≤ 1 bar
Cycles until first service	5000
Temperature ¹⁾	
– Valve body	
– with copper bonnet seal	≤ 120 °C
– with PFA bonnet seal	≤ 100 °C
– Manual and pneumatic actuator	≤ 100 °C
Material	
– Valve body	
– aluminum	EN AW-5049 (3.3527), -6082 (3.2315)
– stainless steel	AISI 316L (1.4404, 1.4435)
– Bellows	AISI 316L (1.4404), AISI 316Ti (1.4571)
Seal	
– Bonnet (aluminum body)	PFA
– Bonnet (stainless steel body)	
– DN 16– 40	copper
– DN 63– 160	PFA
– Plate	Tenic
Feedthrough	bellows with intermediate pumping port
Mounting position	any
Solenoid valve	24 VDC (others on request)
Position indicator: contact rating	
– Voltage	5– 50 VAC/DC
– Current	5– 100 mA
Valve position indication	visual (mechanical)

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