

## Product data sheet

Angle valve with soft-pump function Series 292, DN 160 (ID 6'') Ordering No. 29244-QA11-0001

## Description

Flange		ISO-K 160
Actuator		without solenoid valve without position indicator
	– Main – Softpump	Pneumatic, single acting with closing spring Pneumatic, single acting with closing spring
Feedthrough	– Main – Softpump	Shaft feedthrough Bellows
Technical data		
Leak rate (static)	<ul><li>Valve body</li><li>Valve seat</li></ul>	< 1 · 10 <sup>-9</sup> mbar ls <sup>-1</sup> < 1 · 10 <sup>-9</sup> mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 2 bar (abs)
Differential pressure on the plate	<ul> <li>In opening direction</li> <li>In closing direction</li> </ul>	≤ 1.2 bar ≤ 2 bar
Differential pressure at opening		$\leq$ 1 bar [1 bar with reduced number of cycles]
Conductance (molecular flow)		1000 ls <sup>-1</sup>
Actuation time main	<ul><li>Closing</li><li>Opening</li></ul>	≤ 1.5 sec. ≤ 1.5 sec.
Actuation time softpump	<ul><li>Closing</li><li>Opening</li></ul>	≤ 0.2 sec. ≤ 0.2 sec.
Cycles until first service (Tmax 80°C, under clean conditions)	– Main – Softpump	1 million 3 million
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator	≤ 150 °C ≤ 120 °C
Material	<ul> <li>Body main</li> <li>Body softpump</li> <li>Actuator</li> <li>Plate main</li> <li>Plate soft</li> <li>Feedthrough main</li> <li>Feedthrough soft</li> <li>Spring</li> <li>Snap ring for axle</li> </ul>	Aluminum (EN AC-42000) Aluminum (EN AW-6060) Aluminum Aluminum (EN AW 6082) AISI 316L (1.4404) Aluminum (EN AW 6082) AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571) AISI 301 (1.4310) AISI 301 (1.4310)
Seal	<ul> <li>Bonnet O-ring</li> <li>Plate O-ring</li> <li>Feedthrough O-ring</li> <li>Actuator O-ring</li> </ul>	FKM (Viton®) FKM (Viton®) FKM (Viton®) FKM (Viton®)
Weight		16.5 kg / 36 lbs
Mounting position		any

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Volume of pneumatic actuator	
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- Compressed air min. max. overpressure
- Compressed air connection

Behavior in case of compressed air pressure drop

Behavior in case of power failure

_	Main
_	Softpump

- Main
- Softpump
- Main
- Softpump
- Valve closed
- Valve opened
- During actuation
- Valve closed
- Valve opened
- During actuation

0.65 I / 0.023 ft3

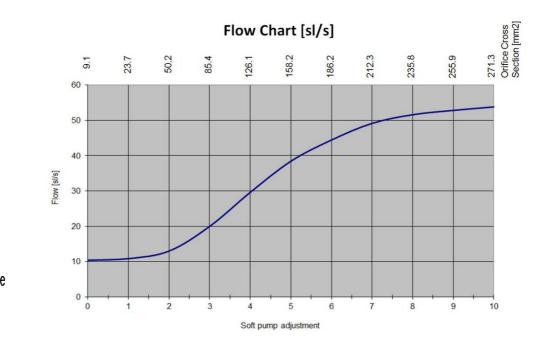
0.011 I / 0.0004 ft3

4.5 – 7 bar / 65 – 102 psi 4 – 8 bar / 58 – 115 psi

1/3" ISO/NPT female M5 (10-32 UNF suitable)

Valve remains closed and leaktight Valve closes leaktight Valve closes leaktight

Valve remains closed and leaktight Depending on customer installation Depending on customer installation



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