

Description

## Product data sheet Vacuum gate valve, Series 121, DN 63 (ID 2<sup>1</sup>/<sub>2</sub>") Ordering No. 12136-JA34

Description		
Flange		JIS 63
Actuator		Pneumatic, double acting <ul> <li>with solenoid valve</li> </ul>
Feedthrough		Shaft feedthrough
Technical data		
Leak rate	<ul><li>Valve body</li><li>Valve seat</li></ul>	< 1 · 10 <sup>-9</sup> mbar Is <sup>-1</sup> < 1 · 10 <sup>-9</sup> mbar Is <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 1.6 bar (abs)
Differential pressure on the gate		≤ 1.6 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		550 ls <sup>-1</sup>
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	<ul><li>Valve body</li><li>Actuator</li><li>Solenoid valve</li></ul>	≤ 120 °C ≤ 80 °C ≤ 50 °C
Heating and cooling rate		30 °C h <sup>-1</sup>
Material	<ul><li>Valve body</li><li>Mechanism</li></ul>	EN AW-5083 (3.3547), -6061 (3.3211) AISI 304 (1.4301)
Seal	<ul><li>Bonnet</li><li>Gate</li><li>Actuator</li></ul>	FKM (Viton <sup>®</sup> ) FKM (Viton <sup>®</sup> ), O-ring FKM (Viton <sup>®</sup> ), NBR (BUNA N <sup>®</sup> )
Mounting position		any
Volume of pneumatic actuator		0.16 I / 0.006 ft <sup>3</sup>
Compressed air min. – max. overpressure		4-7 bar / 58-102 psi
Compressed air connection		G 1⁄8" (1⁄8" NPT for USA)
Actuation time	<ul><li>closing</li><li>opening</li></ul>	1.5 s 1.5 s
Weight		3.0 kg / 7.0 lbs

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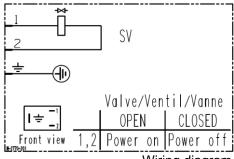
## **Product data sheet** Vacuum gate valve, Series 121, DN 63 (ID 21/2")

Ordering No. 12136-JA34

Behavior in case of compressed air pressure drop	<ul><li>Valve closed</li><li>Valve open</li></ul>	<ul><li>valve remains closed</li><li>undefined</li></ul>	
Behavior in case of power failure	<ul><li>Valve closed</li><li>Valve open</li></ul>	<ul><li>valve remains closed</li><li>valve closes</li></ul>	
Electrical connections			

## Solenoid valve

Туре Voltage 4/2 way Defined by order



Wiring diagram

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