

Product data sheet Vacuum gate valve, Series 121, DN 160 (ID 6'') Ordering No. 12144-JA34

Description		
Flange		JIS 160
Actuator		Pneumatic, double acting with solenoid valve
Feedthrough		Shaft feedthrough
Technical data		
Leak rate	Valve bodyValve seat	< 1 · 10 ⁻⁹ mbar Is ⁻¹ < 1 · 10 ⁻⁹ mbar Is ⁻¹
Pressure range		$1 \cdot 10^{-7}$ mbar to 1.6 bar (abs)
Differential pressure on the gate		≤ 1.6 bar
Differential pressure at opening		\leq 30 mbar
Conductance (molecular flow)		6 000 ls ⁻¹
Cycles until first service		100 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	Valve bodyActuatorSolenoid valve	≤ 120 °C ≤ 80 °C ≤ 50 °C
Heating and cooling rate		30 °C h ⁻¹
Material	Valve bodyMechanism	EN AC-42100 (3.2371) EN AW-6082 (3.2315)
Seal	– Bonnet – Gate – Actuator	FKM (Viton [®]) FKM (Viton [®]), O-ring FKM (Viton [®]), NBR (BUNA N [®])
Mounting position		any
Volume of pneumatic actuator		0.5 I / 0.018 ft ³
Compressed air min. – max. overpressure		4–7 bar / 58–102 psi
Compressed air connection		G 1⁄8" (1⁄8" NPT for USA)
Actuation time	closingopening	2.0 s 2.0 s
Weight		9.0 kg / 20 lbs

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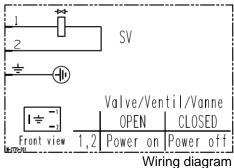
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Behavior in case of compressed air pressure drop	Valve closedValve open	 valve remains closed undefined 	
Behavior in case of power failure	Valve closedValve open	valve remains closedvalve closes	
Electrical connections			

Solenoid valve

Туре Voltage 4/2 way Defined by order



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