

Product data sheet

Large vacuum gate valve, Series 191, DN 400 (ID 16") Ordering No. 19152-PE24

Description

Flange ISO-F 400

Actuator pneumatic, double acting

with position indicator

Feedthrough Bellow

Technical data

 $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ - Valve body Leak rate

Valve seat

 $1 \cdot 10^{-8}$ mbar to 1 bar (abs) Pressure range

Differential pressure on the plate - in opening direction ≤ 1 bar

- in closing direction ≤ 1 bar

Differential pressure at opening ≤ 20 mbar

50000 ls⁻¹ Conductance (molecular flow) ISO-F

Cycles until first service 20 000 (unheated and under clean conditions)

≤ 150 °C Temperature - Valve Body (Maximum values: depending - Actuator ≤ 80 °C on operating conditions and - Position indicator ≤ 80 °C

sealing materials)

30 °C h⁻¹ Heating and cooling rate

Material Valve Body AISI 304 (1.4301)

EN AW-6082 (3.2315), AISI 304 (1.4301) - Mechanism - Bellows AISI 316L (1.4435) or AISI 304L (1.4306)

FKM (Viton®) Seal Bonnet - Gate FKM (Viton®)

> - Actuator **NBR**

Mounting position any

2.1 I / 0.074 ft³ Volume of pneumatic actuator

5 - 9 bar / 73 - 131 psi Compressed air

min. - max. overpressure

G1/8" ISO / NPT Compressed air connection

Actuation time 10 s closing - opening 10 s

Weight 160 kg / 353 lbs

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Behavior in case of compressed air pressure drop

Valve closedValve open

During actuation

valve remains closed

undefined undefined

Position indicator

Type Micro switch

Voltage \leq 250 V AC \leq 50 V DC Current max. \leq 3 A \leq 1.2 A

p ²		OPE	.N		
p <u>1</u>	ol CLOSED				
Valve/Ventil/Vanne					
j		OPEN	CLOSED		
İ	1,4	connected	-		
N-2770-028	1,4	_	connected		

Wiring diagram

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