

Product data sheet

Large gate valves, Series 190, DN 400 (16") Ordering No. 19052-PE24-0002

Description

ISO-F 400 Flange

Actuator pneumatic, double acting

with position indicator

Feedthrough Shaft feedthrough

Technical data

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

 $< 1 \cdot 10^{-9} \text{ mbar Is}^{-1}$ Valve seat

 $1 \cdot 10^{-7}$ mbar to 1 bar (abs) Pressure range

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

> - in closing direction ≤ 1 bar

Differential pressure at opening ≤ 20 mbar 52 000 ls⁻¹ Conductance (molecular flow)

Cycles until first service 100 000 (unheated and under clean conditions)

Temperature - Valve body ≤ 150 °C (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

Seal Bonnet FKM (Viton®)

FKM (Viton®) - Gate - Actuator **NBR**

Mounting position any

5.9 I / 0.208 ft³ Volume of pneumatic actuator

5 - 7 bar / 73 - 102 psi Compressed air

min. - max. overpressure

Compressed air connection G¼" (¼" NPT for USA)

Actuation time 8 s closing

- opening 8 s

Weight 140 kg / 309 lbs

Modified by:	Release date:	967766EA
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Behavior in case of compressed

air pressure drop

Valve closed

valve remains closed

Valve openDuring actuation

undefined undefined

Behavior in case of power failure

- Valve closed

depending on customer installation depending on customer installation

Valve open depending on customer

During actuation depending on customer installation

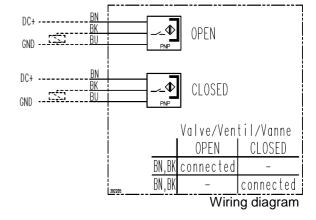
Position indicator

Type PNP (NO with LED)

Voltage 10..30 V DC

Current max. \leq 0.2 A

Cable length 2000 mm / 79 inch



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