



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Large vacuum gate valve, Series 191, DN 800 (ID 32")**  
**Ordering No. 19158-PE24**

### Description

Flange	ISO-F 800
Actuator	pneumatic, double acting – with position indicator
Feedthrough	Bellow

### Technical data

Leak rate	– Valve body – Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup> $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-8}$ mbar to 1 bar (abs)
Differential pressure on the plate	– in opening direction – in closing direction	$\leq 1$ bar $\leq 1$ bar
Differential pressure at opening		$\leq 10$ mbar
Conductance (molecular flow)	ISO-F	280000 ls <sup>-1</sup>
Cycles until first service		10 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body – Actuator – Position indicator	$\leq 150$ °C $\leq 80$ °C $\leq 80$ °C
Heating and cooling rate		5 °C h <sup>-1</sup>
Material	– Valve Body – Mechanism – Bellows	AISI 304 (1.4301) EN AW-6082 (3.2315), AISI 304 (1.4301) AISI 316L (1.4435) or AISI 304L (1.4306)
Seal	– Bonnet – Gate – Actuator	FKM (Viton®) FKM (Viton®) NBR
Mounting position		any
Volume of pneumatic actuator		11.0 l / 0.388 ft <sup>3</sup>
Compressed air min. – max. overpressure		6 – 9 bar / 87 – 131 psi
Compressed air connection		G $\frac{1}{8}$ " ISO / NPT
Actuation time	– closing – opening	35 s 35 s
Weight		730 kg / 1610 lbs

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Behavior in case of  
compressed air pressure drop

- Valve closed
- Valve open
- During actuation

valve remains closed  
undefined  
undefined

### Electrical connections

#### Position indicator

Type

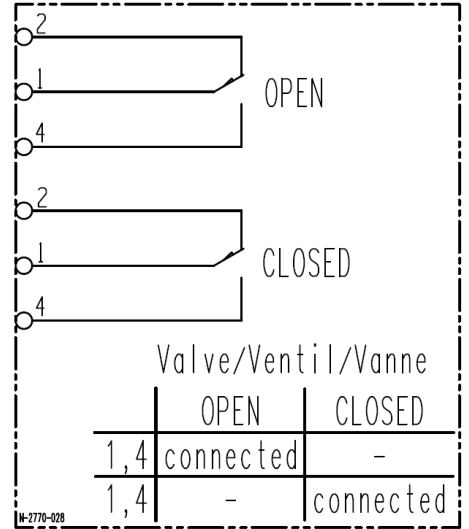
Micro switch

Voltage

≤ 250 V AC    ≤ 50 V DC

Current max.

≤ 3 A            ≤ 1.2 A



Wiring diagram

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