



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-Metal Gate Valve, Series 48.1, DN 16 (ID 5/8")

OSL-Article No. 48124-CE05-0001

Description

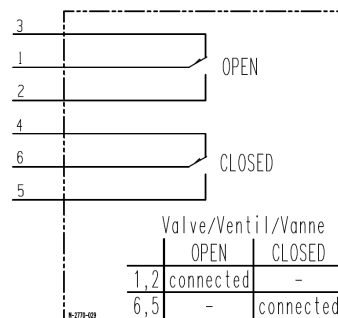
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|-------------|---|
| Flange | DN 16 CF-F |
| Actuator | manual actuator with position indicator 200°C |
| Feedthrough | bellows |

Technical data

| | |
|---------------------------------------|--|
| Leak rate | |
| - To the outside | $< 1 \cdot 10^{-10}$ mbar ls ⁻¹ |
| - Seat | $< 1 \cdot 10^{-10}$ mbar ls ⁻¹ |
| Molecular flow conductance | 10 ls ⁻¹ |
| Pressure range | XHV to 2 bar (abs) |
| Test pressure | 1 bar |
| Differential pressure on the gate | |
| - in closing and opening direction | 2 bar |
| Max. differential pressure at opening | |
| - in closing and opening direction | 1 bar |
| Cycles until first service | 20'000 |
| Bake-out temperature | |
| - Valve | 300°C |
| - Actuator | 200°C |
| - Position indicator | 200°C |
| Heating and cooling rate | 80°C h ⁻¹ |
| Material | |
| - Body | 1.4435, AISI 316 L |
| - Flange | 1.4435 ESU, AISI 316 L ESR |
| - Gate | 1.4435, AISI 316 L |
| - Mechanism (in contact with media) | 1.4435, AISI 316 L |
| - Bellows | 1.4435, AISI 316 L |
| Seal | |
| - Bonnet | metal |
| - Gate | metal |
| Mounting position | any |
| Radiation resistance | |
| - Valve | 10 ⁸ Gy (10 ¹⁰ rad) |
| - Actuator, position indicator | 10 ⁵ Gy (10 ⁷ rad) |
| Turns per stroke | 19 |
| Weight | 3 kg / 7 lbs |

Electrical connections

| | |
|--------------------|--------------|
| Position indicator | |
| Type | Micro switch |
| Voltage | ≤ 50VAC/DC |
| Current max. | ≤ 1.0 A |



Wiring diagram

| | | |
|------------------------------|--------------------------|-----------------|
| Created by: Kurt Sonderegger | Release date: 01.07.2016 | Page 1 of 1 |
| Modified by: | Release date: | 850935EA |