



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 111, DN none
Ordering No. 11148-PE01

Description

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|-------------|-------------------|
| Flange | ISO-F 250 |
| Actuator | manual, handwheel |
| Feedthrough | Bellows |

Technical data

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|--|--------------|---|
| Leak rate | - Valve body | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| | - Valve seat | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| Pressure range | | $1 \cdot 10^{-8}$ mbar to 1.2 bar (abs) |
| Differential pressure on the gate | | ≤ 1.2 bar |
| Differential pressure at opening | | ≤ 30 mbar |
| Conductance (molecular flow) | | 21 690 ls ⁻¹ |
| Cycles until first service | | 200 000 (unheated and under clean conditions) |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | - Valve Body | ≤ 150 °C (bake-out max. 24h) |
| | - Actuator | ≤ 120 °C |
| Heating and cooling rate | | 50 °C h ⁻¹ |
| Material (main components) | - Valve Body | AISI 304 (1.4301) |
| | - Mechanism | AISI 316L (1.4404), AISI 304 (1.4301) |
| | - Bellows | AISI 316L (1.4404, 1.4435) |
| | - Bushing | Hydrocarbonate |
| Seal | - Bonnet | FKM (Viton®) |
| | - Gate | FKM (Viton®), O-ring |
| | - Actuator | FKM (Viton®), NBR |
| Mounting position | | any |
| Weight | | 51 kg / 112 lbs |

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