



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 110, DN 100 (ID 4'')
Ordering No. 11040-PE01

Description

| | |
|-------------|-------------------|
| Flange | ISO-F 100 |
| Actuator | Manual, handwheel |
| Feedthrough | Bellows |

Technical data

| | | |
|---|--------------|---|
| 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 1.6 bar (abs) |
| Differential pressure on the gate | | ≤ 1.6 bar |
| Differential pressure at opening | | ≤ 30 mbar |
| Conductance (molecular flow) | | 1740 ls ⁻¹ |
| Cycles until first service | | 200 000 (unheated and under clean conditions) |
| Temperature | – Valve body | ≤ 150 °C |
| (Maximum values: depending on operating conditions and sealing materials) | – Actuator | ≤ 80 °C |
| Heating and cooling rate | | 50 °C h ⁻¹ |
| Material (main components) | – Valve body | AISI 304 (1.4301) |
| | – Mechanism | AISI 316L (1.4404) |
| | – Bellows | AISI 633 (AM350) |
| Seal | – Bonnet | FKM (Viton®) |
| | – Gate | FKM (Viton®), vulcanized |
| | – Actuator | FKM (Viton®), NBR |
| Mounting position | | any |
| Weight | | 10.1 kg / 22.3 lbs |

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