



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Quick Shut-off Valve
Series 257, DN 160 (6")
Ordering No. 25744-QE99-0001

Description

Flange ISO-K 160

Technical data

| | | |
|---|--------------------------|--|
| Leak rate | – Valve body | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| | – Valve seat | $< 1 \cdot 10^{-6}$ mbar ls ⁻¹ |
| Pressure range | | Vacuum to 1.2 bar (abs) |
| Differential pressure on the plate | – in closing direction | ≤ 1 bar |
| Conductance (laminar flow) ¹ | | 20'000 ls ⁻¹ |
| Cycles until first service | | recommended after each backflow event or with regular maintenance cycles |
| Temperature | – Valve | ≤ 200 °C |
| (Maximum values: depending on operating conditions and sealing materials) | | |
| Heating and cooling rate | | ≤ 50 °C h ⁻¹ |
| Material | – Valve body | AISI 304 (1.4301) |
| | – Plate | AISI 304 (1.4301) |
| Seal | – Bonnet | FKM |
| | – Plate | FKM |
| Mounting position | | Fore line installation vertical only plate facing chamber |
| Trigger pressure | – ΔP at the gate | ≥ 5 mbar |
| Closing time | – plate move time | ≤ 15 ms |
| Weight | | 6.3 kg / 13.9 lbs |

Related documents

Dimensional drawing No. 1072024

¹ Boundary conditions for calculation: P_{tot} (foreline) 150 Pa, Medium: air at 150°C (assumption), Pump performance: 1640 m³/h

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