

Product data sheet

HV gate valve, Series 091, DN 100 (ID 4") Ordering No. 09140-PE08

Description

ISO-F 100 Flange

Actuator Manual actuator with position indicator, detachable

handle, self locking in any position

Number of turns needed for full stroke 39 Turns

Feedthrough Bellows feedthrough

Technical data

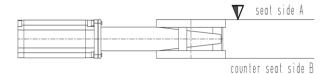
Leak rate

< 1 · 10⁻⁹ mbar ls⁻¹ - Valve body < 1 · 10⁻⁷ mbar ls⁻¹ - Valve seat

 $1 \cdot 10^{-8}$ mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar 1 700 ls⁻¹ Conductance (molecular flow)

Max. differential pressure at opening in closing and opening direction with influence to the cycle life



- Higher pressure on seat side A, the differential pressure

acts in opening direction

≤ 1.0 bar with full cycle life

- Higher pressure on counter seat side B, the differential

pressure acts in closing direction

≤ 30mbar with full cycle life

- Higher pressure on counter seat side B, the differential

pressure acts in closing direction

≤ 1.0 bar with reduced cycle life

Cycles until first service 5 000 (unheated and under clean conditions)

Bellows cycles 100 000 (unheated and under clean conditions)

Bake-out temperature

 Valve body ≤ 150 °C (bake-out max. 24h)

≤ 100 °C Actuator ≤ 60 °C - Position indicator

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Heating and cooling rate

50 °C h⁻¹

Material

Valve body AISI 304 (1.4301) EN AW-5083 (3.3547) Bonnet - Gate AISI 304 (1.4301), (1.4308)

- Parts (in contact with media) A2 Ni-Teflon coated, PEEK

- Bellows AISI 633, (AM350)

Seal

FKM (Viton®) FKM (Viton®) FKM (Viton®) - Bonnet Gate Actuator

Mounting position any

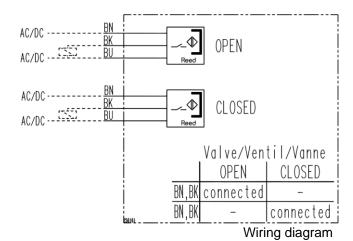
Weight approx. 7.6 kg / 16.8 lbs

Position indicator

Type Reed

Voltage ≤ 10-30 V DC

Current max. $\leq 0.5 A$



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