

Product data sheet

HV gate valve, Series 091, DN 160 (ID 6") Ordering No. 09144-JE01

Description

Flange JIS flange 100

Actuator Manual actuator with detachable handle, self locking

in any position, visual position indicator

Number of turns needed for full stroke 41 Turns

Feedthrough Bellows feedthrough

Technical data

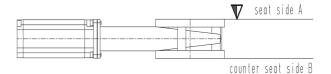
Leak rate

 $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ - Valve body < 1 · 10⁻⁷ mbar Is⁻¹ - Valve seat

1 · 10⁻⁸ mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar 5 000 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

≤ 1.0 bar with reduced cycle life

pressure acts in closing direction

5 000 (unheated and under clean conditions) 100 000 (unheated and under clean conditions)

Cycles until first service Bellows cycles

Bake-out temperature

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

≤ 100 °C - Actuator

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50 °C h⁻¹ Heating and cooling rate

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. 16 kg / 35.3 lbs

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