

### Product data sheet

## HV gate valve, Series 091, DN 100 (ID 4") Ordering No. 09140-JE01

#### **Description**

JIS 100 Flange

Actuator Manual actuator with detachable handle, self locking

in any position, visual position indicator

Number of turns needed for full stroke 39 Turns

Feedthrough Bellows feedthrough

#### **Technical data**

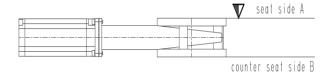
Leak rate

< 1 · 10<sup>-9</sup> mbar ls<sup>-1</sup> - Valve body < 1 · 10<sup>-7</sup> mbar ls<sup>-1</sup> - Valve seat

1 · 10<sup>-8</sup> mbar to 1.2 bar (abs) Pressure range

Differential pressure on the gate ≤ 1.2 bar 1 700 ls<sup>-1</sup> 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

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50 °C h<sup>-1</sup> Heating and cooling rate

Material

Valve body AISI 304 (1.4301) Bonnet EN AW-5083 (3.3547) GateParts (in contact with media) AISI 304 (1.4301), (1.4308)

A2 Ni-Teflon coated, PEEK

- Bellows AISI 633, (AM350)

Seal

FKM (Viton<sup>®</sup>) FKM (Viton<sup>®</sup>) FKM (Viton<sup>®</sup>) Bonnet Gate Actuator

Mounting position any

Weight approx. 9 kg / 19.8 lbs

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