

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

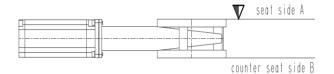
Leak rate

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

1 · 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

Created by: MAEM	Release date: 2013-06-20	1 of 2
Modified by:	Release date:	287266EA



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50 °C h⁻¹ 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[®]) FKM (Viton[®]) FKM (Viton[®]) Bonnet Gate Actuator

Mounting position any

Weight approx. 9 kg / 19.8 lbs

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