

Product data sheet HV gate valve, Series 091, DN 80 (ID 3'') Ordering No. 09138-JE01

Description

JIS 80 Flange Actuator Manual actuator with detachable handle, self locking in any position, visual position indicator Number of turns needed for full stroke 33 Turns Feedthrough Bellows feedthrough **Technical data** Leak rate < 1 · 10⁻⁹ mbar ls⁻¹ - Valve body $< 1 \cdot 10^{-7}$ mbar ls⁻¹ - Valve seat $1 \cdot 10^{-8}$ mbar to 1.2 bar (abs) Pressure range Differential pressure on the gate \leq 1.2 bar $800 \, \text{ls}^{-1}$ Conductance (molecular flow) Max. differential pressure at opening in closing and **V** seat side A opening direction with influence to the cycle life counter seat side B - Higher pressure on seat side A, the differential pressure \leq 1.0 bar with full cycle life acts in opening direction - Higher pressure on counter seat side B, the differential ≤ 30mbar with full cycle life pressure acts in closing direction - Higher pressure on counter seat side B, the differential ≤ 1.0 bar with reduced cycle life pressure acts in closing direction 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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Heating and cooling rate

GateParts (in contact with media)

Material - Valve body

Bonnet

- Bellows

50 °C h⁻¹

AISI 304 (1.4301) EN AW-5083 (3.3547) AISI 304 (1.4301), (1.4308) A2 Ni-Teflon coated, PEEK AISI 633, (AM350)

Seal – Bonnet – Gate – Actuator Mounting position	FKM (Viton [®]) FKM (Viton [®]) FKM (Viton [®])
Mounting position	any
Weight	approx. 7.8 kg / 17.2 lbs

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