

## Product data sheet HV gate valve, Series 091, DN 100 (ID 4'') Ordering No. 09140-UE01

## Description

Flange

Actuator

Number of turns needed for full stroke

Feedthrough

## **Technical data**

Leak rate - Valve body

- Valve seat

Pressure range

Differential pressure on the gate

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
- Higher pressure on counter seat side B, the differential pressure acts in closing direction
- Higher pressure on counter seat side B, the differential pressure acts in closing direction

Cycles until first service

Bellows cycles

Bake-out temperature

- Valve body
- Actuator

CF-F 100 UNF

Manual actuator with detachable handle, self locking in any position, visual position indicator

39 Turns

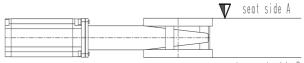
Bellows feedthrough

 $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$  $< 1 \cdot 10^{-7} \text{ mbar ls}^{-1}$ 

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

 $\leq$  1.2 bar

1 700 ls<sup>-1</sup>



counter seat side B

≤ 1.0 bar with full cycle life

≤ 30mbar with full cycle life

≤ 1.0 bar with reduced cycle life

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

 $\leq$  150 °C (bake-out max. 24h)  $\leq$  100 °C

Created by: MAEM	Release date: 2014-08-22	1 of 2
Modified by:	Release date:	285126EA



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Heating and cooling rate

50 °C h<sup>-1</sup>

AISI 304 (1.4301) AISI 304 (1.4301), (1.4308) A2 Ni-Teflon coated, PEEK AISI 633, (AM350)

FKM (Viton<sup>®</sup>) FKM (Viton<sup>®</sup>) FKM (Viton<sup>®</sup>)

any

approx. 8.3 kg / 18.3 lbs

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Material

- Valve body
- Gate
- Parts (in contact with media)
- Bellows

Seal

- Bonnet
- Gate
- Actuator

Mounting position

Weight