

Description	
Flange	ISO-F 80
Actuator	pneumatic, double acting – with position indicator
Feedthrough	Bellow
Technical data	
Leak rate – Valve body – Valve seat	< 1 · 10 ⁻⁹ mbar ls ⁻¹ < 1 · 10 ⁻⁷ mbar ls ⁻¹
Pressure range	$1 \cdot 10^{-8}$ mbar to 1.2 bar (abs)
Differential pressure on the gate	≤ 1.2 bar
Conductance (molecular flow)	890 ls ⁻¹
Max. differential pressure at opening in closing and opening direction with influence to the cycle life	seat side A counter seat side B
 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 	\leq 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 – Actuator – Position indicator	≤ 150 °C (bake-out max. 24h) ≤ 100 °C ≤ 60 °C

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Product data sheet HV gate valve, Series 091, DN 80 (ID 3'') Ordering No. 09138-PE24

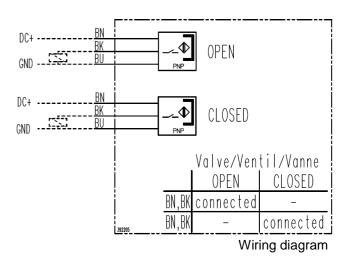
Heating and cooling rate		50 °C h ⁻¹
Material – Valve body – Gate – Parts (in contact with media) – Bellows		AISI 304 (1.4301) AISI 304 (1.4301), (1.4308) A2 Ni-Teflon coated, PEEK AISI 633, (AM350)
Seal – Bonnet – Gate – Actuator		FKM (Viton [®]) FKM (Viton [®]) FKM (Viton [®])
Mounting position		Any
Volume of pneumatic actuator		$0.2 \text{I} / 0.007 \text{ft}^3$
Compressed air min. – max. overpressure		4 – 7 bar / 58 – 101 psi
Compressed air connection		M5 (10-32 UNF suitable)
Actuation time	closingopening	< 2 s < 2 s
Behavior in case of compressed air pressure drop	– Valve closed – Valve open – During actuation	Valve remains closed (≥ 24h) undefined undefined
Behavior in case of power failure	 Valve closed Valve open During actuation 	depending on customer installation depending on customer installation depending on customer installation

Weight

Position indicator

Туре	PNP (NO with LED)
Voltage	1030 V DC
Current max.	\leq 0.2 A

approx. 6.4 kg / 14.0 lbs



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