

Description	
Flange	CF-F 80
Actuator	pneumatic, double acting – with solenoid valve – with position indicator
Feedthrough	Bellow
Technical data	
Leak rate	
Valve bodyValve seat	< $1 \cdot 10^{-9}$ mbar ls ⁻¹ < $1 \cdot 10^{-7}$ 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	counter seat side B
 Higher pressure on seat side A, the differential pressure acts in opening direction 	\leq 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 – Solenoid – Position indicator	≤ 150 °C (bake-out max. 24h) ≤ 100 °C ≤ 50 °C ≤ 60 °C

Created by: JOM	Release date: 07.08.2015	1/3
Modified by:	Release date:	808362EA



Product data sheet HV gate valve, Series 091, DN 80 (ID 3'') Ordering No. 09138-CE44

Heating and cooling rate		50 °C h ⁻¹
Material – Valve body – Bonnet – Gate – Parts (in contact with media) – Bellows		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		FKM (Viton [®]) FKM (Viton [®]) FKM (Viton [®])
Mounting position		Any
Volume of pneumatic actuator		0.2 I / 0.007 ft ³
Compressed air min. – max. overpressure Compressed air connection		4 – 7 bar / 58 – 101 psi G1/8" (NPT for USA)
Actuation time	– closing – opening	<2s <2s
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 	valve remains closed valve closes valve closes

Weight

approx. 6.4 kg / 14.0 lbs

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Electrical connections

Solenoid valve

Position indicator

Type Voltage

Туре

Voltage

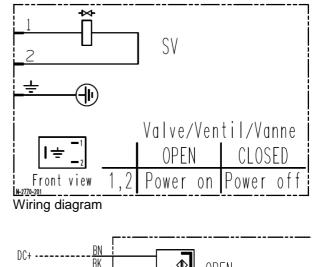
Current max.

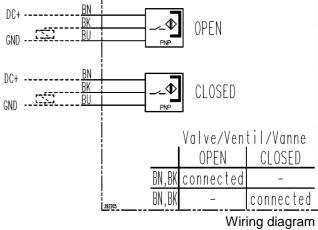
4/2 way Defined by order

PNP (NO with LED)

10..30 V DC

≤ 0.2 A





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