



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet
HV Gate Valve
Series 092, DN 100 (4")
Ordering No. 09240-PI06-0001

Description

Flange	ISO-F 100
Actuator	One swing actuation
Feedthrough	Shaft feedthrough

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
	– Valve seat	$< 1 \cdot 10^{-5}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-8}$ mbar to 1.2 bar (abs)
Differential pressure on the plate		≤ 1.2 bar
Differential pressure at actuation	– In opening direction	≤ 1 bar
	– In closing direction	≤ 30 mbar
Conductance (molecular flow)		1 700 ls ⁻¹
Cycles until first service		500 (unheated and under clean conditions)
Temperature	– Valve body	≤ 150 °C
(Maximum values: depending on operating conditions and sealing materials)	– Actuator	≤ 100 °C
Heating and cooling rate		50 °C h ⁻¹
Material	– Valve body	EN AW-6165 T651
	– Gate	AISI 304 (1.4301, 1.4308)
	– Actuator	AISI 304 (1.4301)
Seal	– Bonnet	FKM
	– Gate	FKM
Mounting position		Horizontal
Weight		7.5 kg / 16.5 lbs

Related documents

Dimensional drawing No. 1189102

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