



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 110, DN 250 (ID 10'')
Ordering No. 11048-JE01

Description

Flange	JIS 250
Actuator	Manual, handwheel
Feedthrough	Bellows

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
	– Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-8}$ mbar to 1.2 bar (abs)
Differential pressure on the gate		≤ 1.2 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		27 110 ls ⁻¹
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature	– Valve body	≤ 150 °C
(Maximum values: depending on operating conditions and sealing materials)	– Actuator	≤ 80 °C
Heating and cooling rate		50 °C h ⁻¹
Material (main components)	– Valve body	AISI 304 (1.4301)
	– Mechanism	AISI 304 (1.4301)
	– Bellows	AISI 633 (AM350)
Seal	– Bonnet	FKM (Viton [®])
	– Gate	FKM (Viton [®]), O-ring
	– Actuator	FKM (Viton [®]), NBR
Mounting position		any
Weight		38.6 kg / 85.1 lbs

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