



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 111, DN none
Ordering No. 11140-PE01

Description

Flange	ISO-F 100
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 1.6 bar (abs)
Differential pressure on the gate		≤ 1.6 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		1740 ls ⁻¹
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve Body	≤ 150 °C (bake-out max. 24h)
	- Actuator	≤ 150 °C
Heating and cooling rate		50 °C h ⁻¹
Material (main components)	- Valve Body	AISI 304 (1.4301)
	- Mechanism	AISI 316L (1.4404), AISI 304 (1.4301)
	- Bellows	AISI 316L (1.4404, 1.4435)
	- Bushing	Hydrocarbonate
Seal	- Bonnet	FKM (Viton®)
	- Gate	FKM (Viton®), O-ring
Mounting position		any
Weight		12 kg / 28 lbs

Created by: SCHMC	Release date: 17.02.2021	1/1
Modified by:	Release date:	1076592EA