



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV gate valve, Series 110, DN 100 (ID 4'')**  
**Ordering No. 11040-UE01**

### Description

Flange	CF-F 100 UNF
Actuator	Manual, handwheel
Feedthrough	Bellows

### Technical data

Leak rate	- Valve body	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
	- Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-8}$ mbar to 1.6 bar (abs)
Differential pressure on the gate		$\leq 1.6$ bar
Differential pressure at opening		$\leq 30$ mbar
Conductance (molecular flow)		1740 ls <sup>-1</sup>
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	$\leq 150$ °C
	- Actuator	$\leq 80$ °C
Heating and cooling rate		50 °C h <sup>-1</sup>
Material (main components)	- Valve body	AISI 304 (1.4301)
	- Mechanism	AISI 316L (1.4404)
	- Bellows	AISI 633 (AM350)
Seal	- Bonnet	FKM (Viton®)
	- Gate	FKM (Viton®), vulcanized
	- Actuator	FKM (Viton®), NBR
Mounting position		any
Weight		8.8 kg / 19.4 lbs

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