



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV gate valve, Series 111, DN 63 (2 1/2")**  
**Ordering No. 11136-UE01**

### Description

Flange	CF-F 63 UNF
Actuator	Manual, Hand-wheel
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)		600 ls <sup>-1</sup>
Cycles until first service		200 000 (unheated and under clean conditions)
Temperature	– Valve Body	$\leq 150$ °C (bake-out max. 24h)
(Maximum values: depending on operating conditions and sealing materials)	– Actuator	$\leq 120$ °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), AISI 304 (1.4301)
	– Bellows	AISI 633 (AM350)
	– Bushing	Hydrocarbonate
Seal	– Bonnet	FKM (Viton®)
	– Gate	FKM (Viton®), O-ring
Mounting position		any
Weight		9 kg / 20 lbs

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