



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV gate valve, Series 140, DN 250 (ID 10'')**  
**Ordering No. 14048-TE01**

### Description

Flange	ASA-LP 250
Actuator	Manual, handwheel
Feedthrough	Rotary feedthrough

### Technical data

Leak rate	- Valve body	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
	- Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-8} \text{ mbar}$ to 1.2 bar (abs)
Differential pressure on the gate		$\leq 1.2 \text{ bar}$
Differential pressure at opening		$\leq 30 \text{ mbar}$
Conductance (molecular flow)		$19\,995 \text{ ls}^{-1}$
Cycles until first service	- Unheated and under clean conditions	200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	$\leq 150 \text{ }^\circ\text{C}$
	- Manual actuator	$\leq 80 \text{ }^\circ\text{C}$
Heating and cooling rate		$50 \text{ }^\circ\text{C h}^{-1}$
Material (main components)	- Valve body	AISI 304 (1.4301)
	- Mechanism	AISI 304 (1.4301), AISI 316L (1.4404)
Seal	- Bonnet	FKM (Viton <sup>®</sup> ), O-ring
	- Gate	FKM (Viton <sup>®</sup> ), O-ring
	- Actuator	FKM (Viton <sup>®</sup> ), NBR
Mounting position		any
Weight		60.0 kg / 132.0 lbs

Created by: JOM	Release date: 2015-02-19	1 of 1
Modified by:	Release date:	<b>604215EA</b>