



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Mini Vakuum gate valve, Series 012, DN 16 (ID 5/8")**  
**Ordering No. 01224-KA06**

### Description

Flange	ISO-KF 16
Actuator	manual
Feedthrough	Shaft feed through

### 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		$1 \cdot 10^{-7}$ mbar to 1 bar (abs)
Differential pressure on the gate		$\leq 1$ bar
Differential pressure at opening		$\leq 30$ mbar
Conductance (molecular flow)		10 ls <sup>-1</sup>
Cycles until first service		50 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve Body	$\leq 100$ °C
	- Actuator	$\leq 80$ °C
Heating and cooling rate		30 °C h <sup>-1</sup>
Material	- Valve Body	EN AW-6082 (3.2315)
	- Gate	AISI 304 (1.4301),)
Seal	- Bonnet	Viton <sup>®</sup>
	- Gate	FKM (Viton <sup>®</sup> ), vulcanized
Mounting position		any
Weight		0.1 kg / 0.2 lbs

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