



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**UHV angle valve**  
**Series 284, DN 40 (ID 1 1/2")**  
**Ordering No. 28432-GE01-0002**

### Description

Flange	CF-R 40
Actuator	Manual actuator
Feedthrough	Bellows

### Technical data

Leak rate	- Valve body	$\leq 5 \cdot 10^{-10}$ mbar ls <sup>-1</sup>
	- Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-10}$ mbar to 5 bar (abs)
Differential pressure on the plate	- In opening direction	$\leq 2$ bar
	- In closing direction	$\leq 5$ bar
Differential pressure at opening		$\leq 1$ bar
Conductance (molecular flow)		45 ls <sup>-1</sup>
Cycles until first service		10'000 (T <sub>max</sub> 80°C; differential pressure max 1bar)
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	$\leq 150$ °C
	- Hand wheel	$\leq 120$ °C
Material	- Valve body	AISI 304 (1.4301)
	- Hand wheel	Plastic
	- Plate	AISI 316L (1.4404)
	- Bellows	AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571)
Seal	- Bonnet O-ring	Metal
	- Plate O-ring	FKM (Viton®)
Weight		1.2 kg / 2.7 lbs
Mounting position		any

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