



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	$\leq 5 \cdot 10^{-10} \text{ mbar ls}^{-1}$
	– Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Pressure range		$1 \cdot 10^{-10} \text{ mbar to 5 bar (abs)}$
Differential pressure on the plate	– In opening direction	$\leq 2 \text{ bar}$
	– In closing direction	$\leq 5 \text{ bar}$
Differential pressure at opening		$\leq 1 \text{ bar}$
Conductance (molecular flow)		45 ls^{-1}
Cycles until first service		10'000 ($T_{\text{max}} 80^\circ\text{C}$; differential pressure max 1bar)
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body	$\leq 150 \text{ }^\circ\text{C}$
	– Hand wheel	$\leq 120 \text{ }^\circ\text{C}$
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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