



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

UHV angle valve
Series 284, DN 63 (ID 2 1/2")
Ordering No. 28436-GE01-0003

Description

Flange	CF-R 63
Actuator	Manual actuator
Feedthrough	Bellows

Technical data

Leak rate	- Valve body	$\leq 5 \cdot 10^{-10}$ mbar ls ⁻¹
	- Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-10}$ mbar to 5 bar (abs)
Differential pressure on the plate	- In opening direction	≤ 2 bar
	- In closing direction	≤ 5 bar
Differential pressure at opening		≤ 1 bar
Conductance (molecular flow)		160 ls ⁻¹
Cycles until first service		10'000 (T _{max} 80°C; differential pressure max 1bar)
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	≤ 150 °C
	- Hand wheel	≤ 120 °C
Material	- Valve body	AISI 316L (1.4404)
	- 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		4.1 kg / 9.04 lbs
Mounting position		any

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