

UHV All-metal valve

Technical Data				
UHV-All-Metal Right-Angle Valves - with Rotatable Flanges on Both Sides				
DN	CF	16	40	63
Connection flange, rotatable	DN	16 CF-R	40 CF-R	63 CF-R
Leak rate: body, valve seat	mbar x l/s	< 1 x 10 ⁻¹⁰		
Differential pressure on the plate in either direction	bar	2		
Differential pressure at opening	bar	1		
Closing force		closing to a mechanical stop		
Turns per stroke		6	11	9
Valve position indication		visual (mechanical)		
Service life	cycles	1,000		
Conductance for molecular flow	l/s	5	50	105
Pressure, absolute min. max.	mbar bar	1 x 10 ⁻¹¹ 2		
Mounting orientation		any		
Bake out temperature	°C	≤ 300		
Max. heating and cooling rate	°C/h	≤ 60		
Bellows	Material	Stainless steel 1.4404		
Valve disk	Material	Stainless steel 1.4404, 1.4435		
Valve disk seal	Material	Metal		
Weight	kg	0.4	1.9	5.9