AluVaC®
Precision Optics

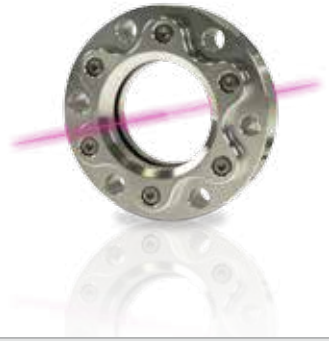
Configurable **AluVaC®** Viewports for **Laser Applications**

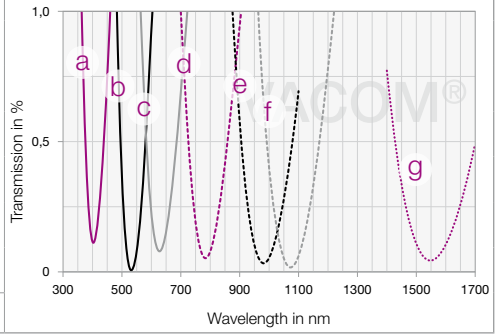
10⁻⁷ mbar VACOM®

AluVaC® *Precision Optics*

Precision made of Aluminum – lightweight, not magnetizable and CF knife edges in approved **AluVaC®** quality.

The optic fits perfectly to your application due to its high-quality processing.
The viewports are qualified for challenging laser applications thanks to minimal scattering and distortion.



Optical Material	Surface Finish			Coating			Laser damage threshold (for 10 ns, 10 Hz)	Transmission*
	Flatness	S/D	Parallelism					
Borosilicate BK7	λ/4	60/40	< 1‘	a	405 nm	R_{avg} < 0,25 %	> 1 J/cm²	
				b	532 nm			
				c	633 nm			
				d	785 nm			
				e	980 nm			
				f	1064 nm			
				g	1550 nm			
View Diameter: 34 mm								

* The graph represents the coating properties in general. Deviations at the product are valid. Only the written-out specs are mandatory.

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AluVaC®
Precision Optics

Configurable **AluVaC®** Viewports for **Wide-Range Applications**

VACOM®

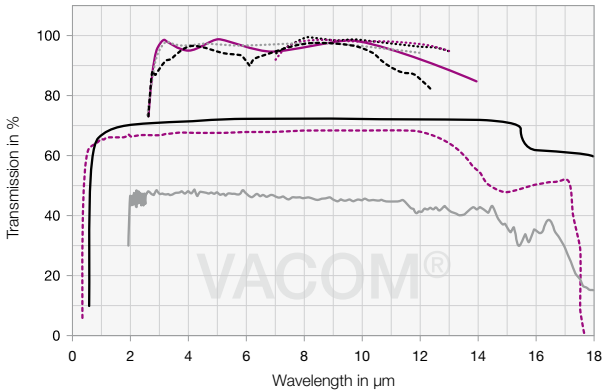
AluVaC® *Precision Optics*

Precision made of Aluminum – lightweight, not magnetizable and CF knife edges in approved **AluVaC®** quality.

The wide-range series offers a great variety of crystals for applications in the IR spectrum (e.g. thermographic metrology) and materials with a high transmission from UV to IR such as Calcium- and Barium fluoride.

Optical Material	Surface Finish			Coating	
	Flatness	S/D	Parallelism		
Germanium	λ/10 @ 10,6 µm	60/40	< 1‘		uncoated
					3 – 5 µm
					3 – 12 µm
					8 – 12 µm
Zinc selenide	λ/10 @ 10,6 µm	60/40	< 1‘		uncoated
					3 – 12 µm
					8 – 12 µm
Zinc sulfide	λ/10 @ 10,6 µm	60/40	< 1‘		uncoated
					3 – 12 µm
View Diameter: 34 mm					

Transmission*



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AluVaC®
Precision Optics

Configurable **AluVaC®** Viewports for **UV-VIS Applications**

10⁻⁹ mbar VACOM®

AluVaC® *Precision Optics*

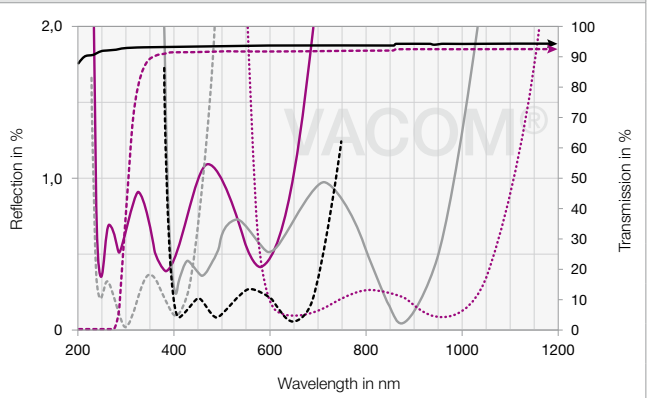
Precision made of Aluminum – lightweight, not magnetizable and CF knife edges in approved **AluVaC®** quality.

The standard **AluVaC®** Precision Optics is available with a selection of established AR-coatings from UV to NIR.

The high-quality optics allow an outstanding transmission quality of optical signals into your vacuum chamber.

Optical Material	Surface Finish			Coating	
	Flatness	S/D	Parallelism		
Borosilicate BK7	λ/4	60/40	< 1‘	- - - - - -	uncoated
				- - - - - -	425 – 675 nm
				———	400 – 1000 nm
				·····	600 – 1050 nm
Fused Silica	λ/10	20/10	< 5“	———	uncoated
				- - - - - -	250 – 425 nm
				———	250 – 700 nm
				———	400 – 1000 nm
				·····	600 – 1050 nm
View Diameter: 34 mm					

Reflection/Transmission*



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