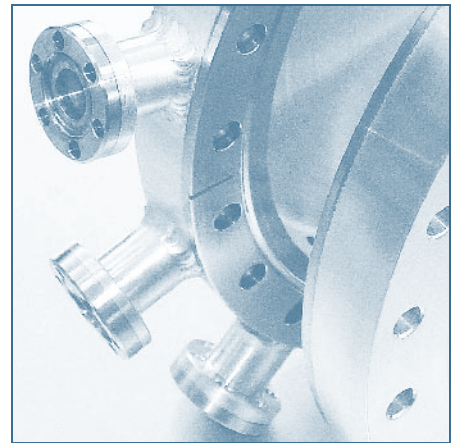
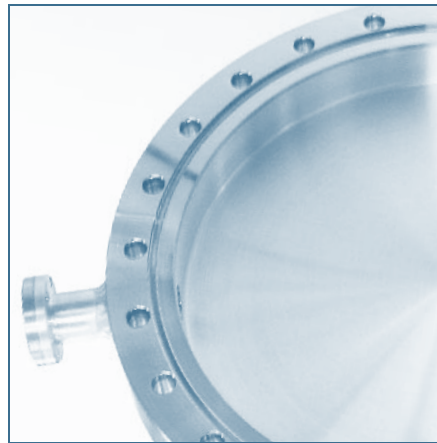


Atlas CF Neutron Window Features

- Aluminum to stainless explosion welded (EXW) bimetallic construction
- UHV Rated to 1×10^{-13} Torr
- Long-life 90° included angle knife-edge design developed at CERN
- 100% Compatible with industry standard Conflat® interface
- 1-1/3 to 16 inch Flange Diameters
- Standard and reduced stainless steel models available
- Custom window thicknesses



Atlas bimetallic CF Neutron Window Assembly—Custom solution shown here with various radial instrumentation and differential pumping ports.

Atlas Neutron Windows are an integrated Atlas CF flange with a 316L sealing surface with an aluminum window in one flange body—with no welding or connections.

Neutron Windows	NW Atlas CF Neutron Windows			
	Inch	DIN	Window Diameter	Part No.
	1-1/3	16	0.60	CFNW-0133-01
	2 1/8	-	0.75	CFNW-0213-01
	2 3/4	40	1.50	CFNW-0275-01
	3 3/8	-	1.75	CFNW-0338-01
	4 1/2	63	2.50	CFNW-0450-01
	4 5/8	-	2.75	CFNW-0463-01
	6	100	3.75	CFNW-0600-01
	6 3/4	-	4.87	CFNW-0675-01
	8	160	5.75	CFNW-0800-01
	10	200	7.75	CFNW-1000-01
	12	-	9.75	CFNW-1200-01
	13 1/4	-	10.02	CFNW-1325-01
	14	-	11.75	CFNW-1400-01
	14 1/2	-	11.75	CFNW-1450-01
	16 1/2	-	13.75	CFNW-1650-01



Standard windows are made from 6061 T6 aluminum machined to the thickness that you desire. Atlas offers engineering finite element analysis to assure you of the mechanical strength required. Dual neutron windows can offer an internal cavity that can be differential pumped or filled with a gas and analyzed through an array of optical ports mounted around the rim of the flange. All flanges are vacuum tested to a leak rate of 1×10^{-9} cc/sec of He prior to shipping.