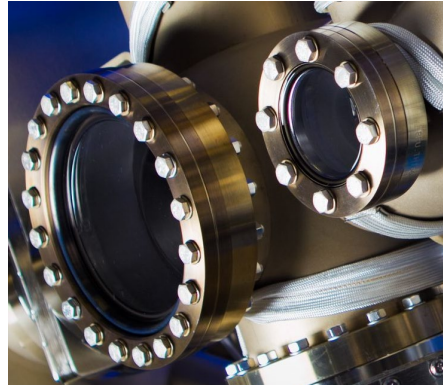
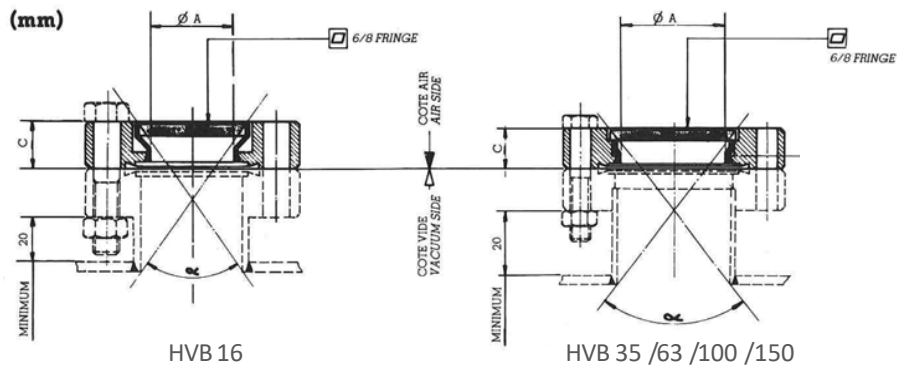


Viewports

- Zero length glass viewport – HVB type
- For source inspection, transfer operation, optical instrumentation
- From CF16 to CF 150
- Lead disk for X-Rays protection available as an option



Specifications



Viewport type	Flange type	A : useful diameter (mm)	C : Thickness (mm)	α (°)	Glass Thickness (mm)
HVB16	CF16	13	7,6	54	1
HVB35	CF35	38	13	80	3
HVB63	CF63	63	17,5	84	4
HVB100	CF100	90	19,8	114	5
HVB150	CF150	135	22	130	7

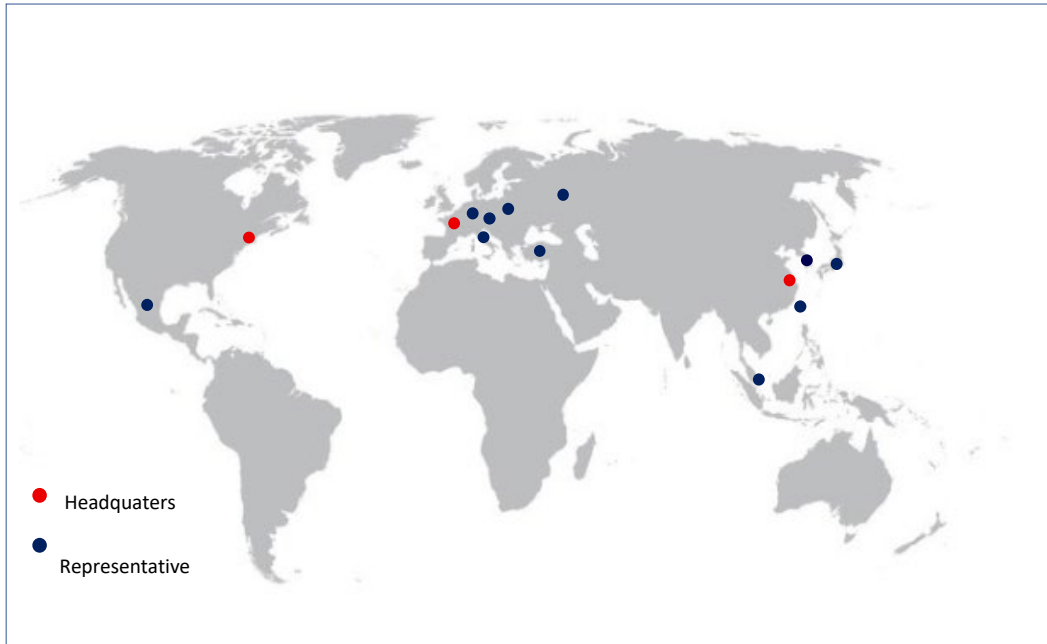
Lead glass disks options

Certain processes inside a vacuum system can generate X-Rays. These X-Rays are usually absorbed by the metal walls of the vessels but may be able to pass through a glass viewport. To protect against this hazard, we offer a range of leaded glass disks that fit into the recess on top of the viewport. For safety reasons, we recommend that they are held in place in such a way that they cannot be removed unless the vacuum seal is broken. The lead glass disks are all 8 mm thick to accommodate a lead thickness of 1.5 mm for X-Ray sources up to 50kV.

Viewport to be equipped	Leaded disk O.D Flange (mm)	Leaded disk size (inch)	Leaded Disk Thickness (mm)
HVB 35 / CF35	70	2,75	8
HVB63 / CF63	114	4,50	8
HVB100 / CF100	150	6,00	8

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