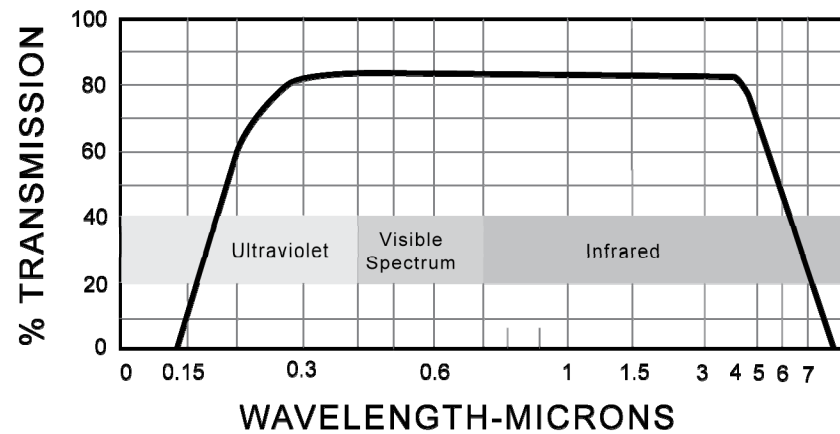


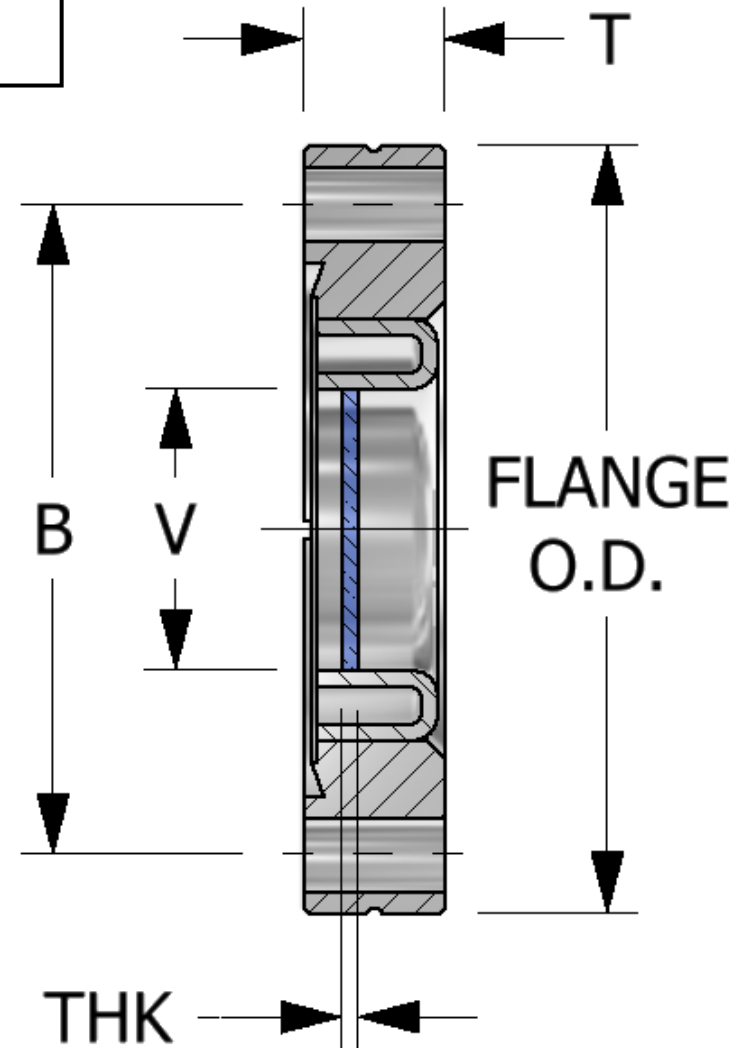
Huntington offers zero length viewports in glass, sapphire and fused silica to meet various needs in light transmission, bake-out temperatures and cost effectiveness. Viewports are an excellent choice for visually determining process control steps, photographing experimental results and taking optical pyrometer readings among other uses.

Sapphire viewports, available in both standard and custom designs, are offered for use in applications where a wide range of light transmission is necessary. The useful transmission range is .25 to 5.5 microns. Polished single crystal sapphire blanks are metalized and brazed to Kovar® sleeves for repeated high temperature bake-out and ultra high vacuum performance.

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Sapphire Transmission Curve (UV Grade)



Dimensions: inches (mm)

SAPPHIRE ZERO LENGTH VIEWPORTS, VAC-U-FLANGE® (CF)

FLANGE	"B"	"T"	"V"	GLASS THICKNESS	WEIGHT (lbs.)	PART NUMBER
1 1/3"	1.06	0.29	0.46	.062	0.5	VPS-075
2 3/4"	2.31	0.50	0.94	.080	1.0	VPS-100
4 1/2"	3.63	0.68	1.94	.094	2.0	VPS-200

Other sizes available. For quotes, please call 800-227-8059 or visit our website at www.huntvac.com. Email: vacman@huntvac.com

		13355 NEVADA CITY AVENUE GRASS VALLEY, CA. 95945	
VIEWPORT, VAC-U-FLANGE®, w/SINGLE CRYSTAL SAPPHIRE			
B	DWG. NO.	VPS-XXX OUTLINE	REV.
			-
SCALE: NO SCALE		SHEET: 1	OF 1