

**Specifications**

**Sealing Mechanism:** All metal Seal

**Material Exposed to Vacuum:** 304 Stainless Steel

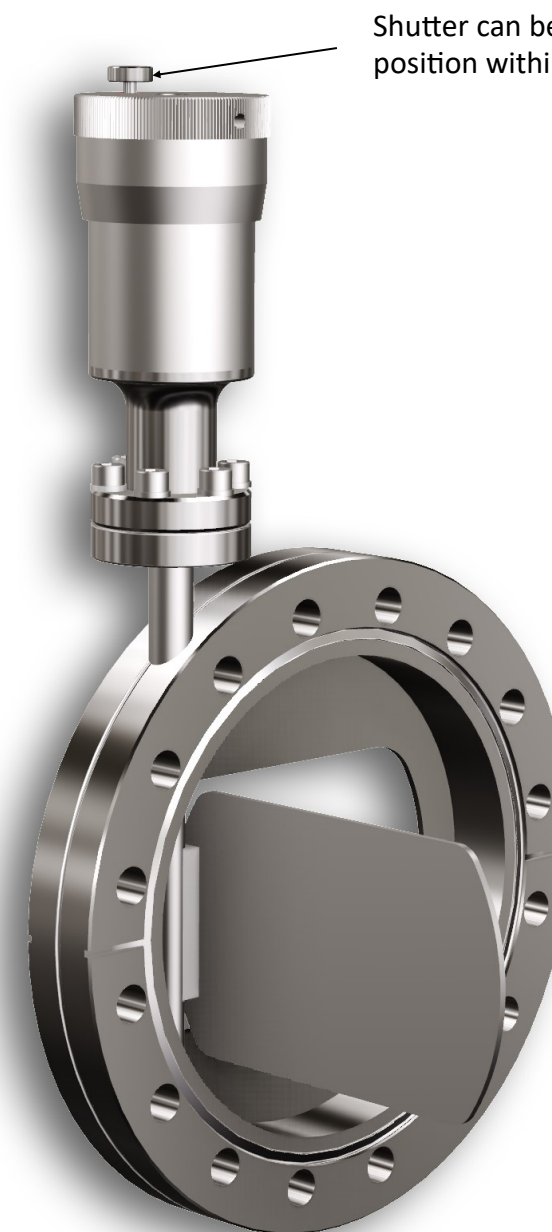
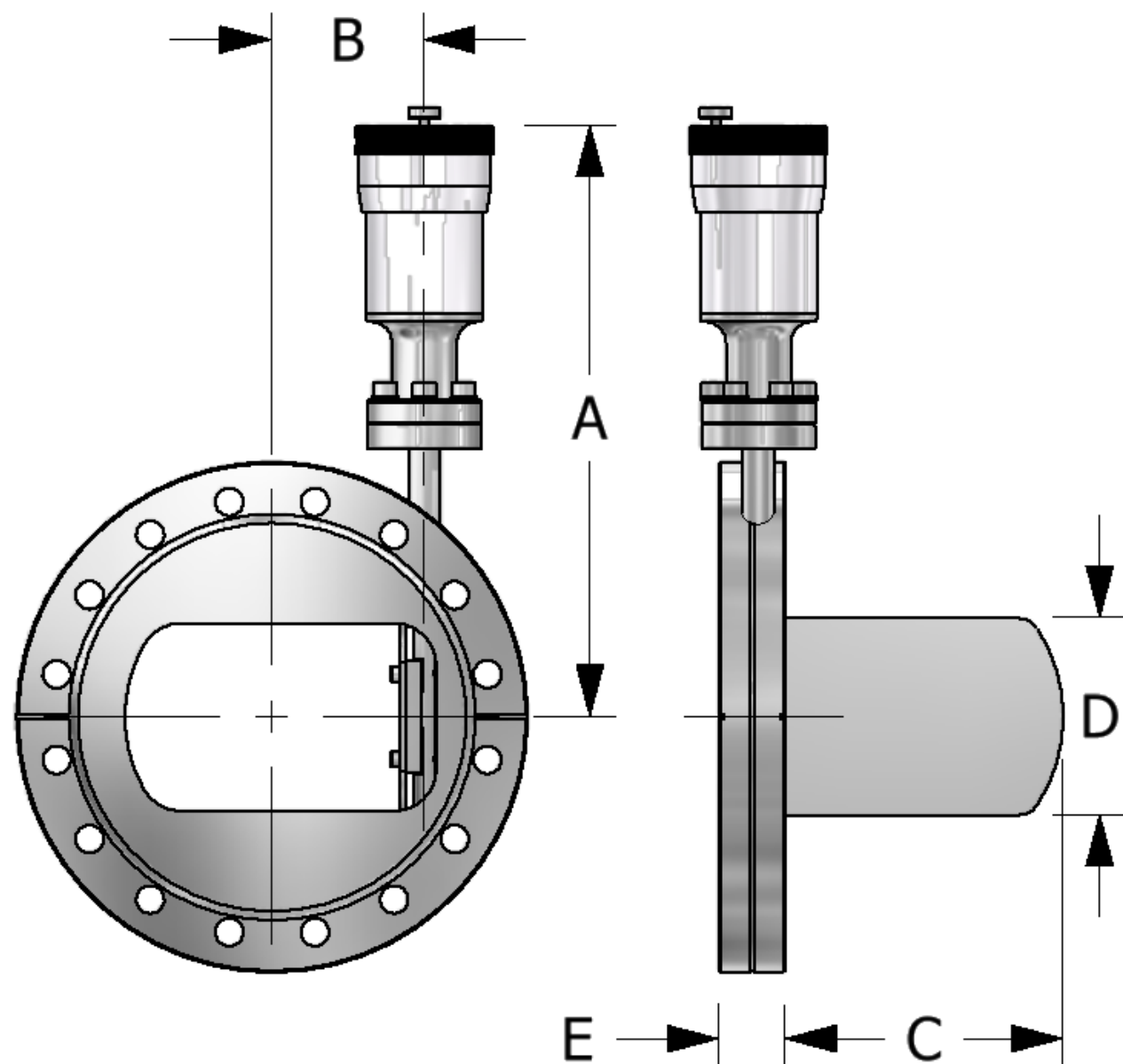
**Standard Mounting:** Double sided VAC-U-FLANGE® (CF)

**Bakeout Temperature:** 300°C

**Operating Temperature:** -20 to 250°C

**Pressure Range:** Atmosphere to  $1 \times 10^{-11}$  Torr

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Shutter can be locked in any open position within it's swing of travel.

Mounted between viewport and port flange the shutter protects the viewport during processes which might cloud or damage the viewable substrate.

Dimensions: inches (mm)

**BELLOWS SEALED VIEWPORT SHUTTERS**

FLANGE OD	A	B	C	D	E	WEIGHT (lbs.)	PART NUMBER
2 3/4"	5.58	0.54	0.87	1.00	0.75	1.60	BFS-276
3 3/8"	5.93	0.85	1.47	0.87	0.62	2.20	BFS-337
4 1/2"	6.30	1.18	1.85	1.60	0.68	2.90	BFS-450
6"	7.12	1.78	3.24	2.30	0.78	3.80	BFS-600
8"	7.90	2.07	4.46	4.00	0.87	6.75	BFS-800

Other flange options available. For quotes, please call 800-227-8059 or visit our website at [www.huntvac.com](http://www.huntvac.com). Email: [vacman@huntvac.com](mailto:vacman@huntvac.com)

		13355 NEVADA CITY AVENUE GRASS VALLEY, CA. 95945	
<b>BELLOWS SEALED SHUTTER</b> For VIEWPORT PROTECTION			
B	DWG. NO.	<b>BFS-XXX OUTLINE</b>	REV.
			-
SCALE: NO SCALE		SHEET: 1	OF 1