

# Viewport Shutters

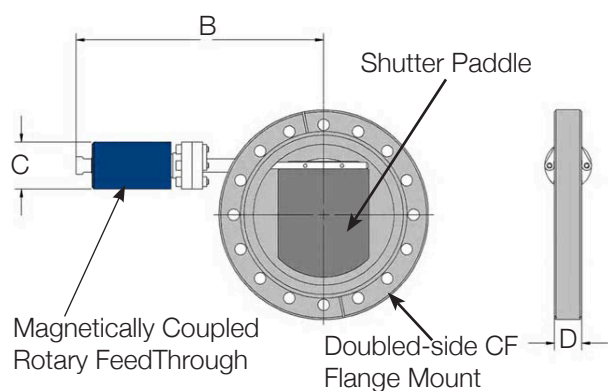
## DESCRIPTION

The VPSM viewport shutters provide fast and efficient shielding for standard view-ports in high and ultrahigh vacuum deposition applications. These shutters are ideally designed to mount between a standard viewport and a chamber port flange to prevent view-port coating during material evaporation. The VPSM series are swing-type pivoting shutter and has an opening angle over 90° for perfect view into the chamber. The shutter actuation is driven by a magnetically coupled rotary system for quick viewport shielding and opening. The magnetic rotary system is especially designed for long-time operation in UHV conditions and provides high reliability. The shutters are all stainless steel construction and fully bakeable.

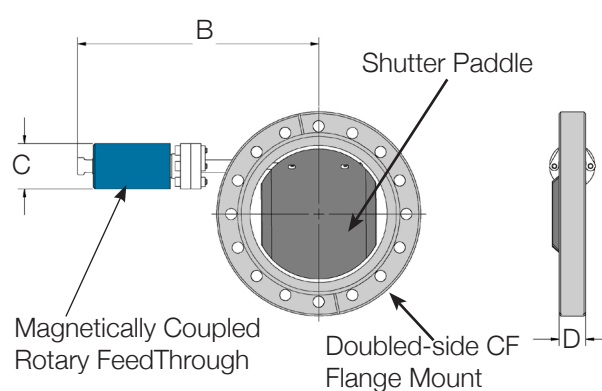
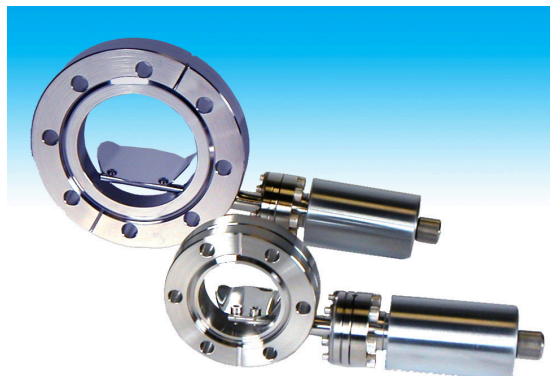
## FEATURES

- All stainless steel construction
- Doubled-sided flange
- 100% coverage when closed
- Magnetically coupled shutter actuation
- Fully Bakeable
- Full close or full open versions available

### FULL CLOSE



### FULL OPEN



Model		Part Number		Specifications				
Full Close	Full Open	Full Close	Full Open	Mounting Flange	B	C	D	Shutter Angle
VPSM-275-FC	VPSM-275	5018450	5016397	2.75"	5.33"	1.33"	.75"	90°
VPSM-450-FC	VPSM-450	5018451	5016398	4.50"	6.30"	1.33"	.69"	90°
VPSM-600-FC	VPSM-600	5020788	5016399	6.00"	7.35"	1.75"	.78"	90°
VPSM-800-FC	VPSM-800	5020789	5016400	8.00"	8.10"	1.75"	.88"	90°