

Model	VPFC-50	VPFC-75	VPFC-100
General Specifications			
NEMA Environment Type	IP65 / NEMA 4		
Voltage Range	Any		
Operating Temperature	-40°C (-40°F) to 325°C (617°F)		
Body and Cover Material	Powder Coated 5052 Aluminum		
Hardware	316 Stainless Steel		
Gaskets	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)		
Dimension and Optic Specifications			
Optic Material	Calcium Fluoride Crystal (CaF ₂); -100°C (-148°F) to 1400°C (2555°F)		
Viewing Aperture Dimensions	5.1 cm (2.0 in) Ø	7.6 cm (3.0 in) Ø	10.2 cm (4.0 in) Ø
Overall Dimensions	9.1 cm (3.6 in) Ø	12.1 cm (4.8 in) Ø	15.1 cm (5.95 in) Ø
Overall Thickness	2.6 cm (1.0 in)	2.6 cm (1.0 in)	2.6 cm (1.0 in)
Inspection Capabilities and Applications			
Midwave IR	Yes		
Longwave IR	Yes		
Ultraviolet (UV)	Yes		
Visual Inspection	Yes		
Medium/High Voltage Applications	Yes		
Outdoor Applications	Yes		
High Temperature Applications	Yes		
Ratings and Testing			
UL 50V & UL 50E	Standard for Infrared Viewports & the environmental ratings , which apply to enclosures.		

UL 746C & UL 746A-2012	Impact and flame resistance standards for polymeric components.
UL 1558	Impact and load resistance for low voltage, metal enclosed assemblies.
UL 508A/ ANSI 508A	Industrial Control Panel Standards.
CSA C22.2 No. 14-13	CSA Standard for Industrial Control Equipment
CSA C22.2 No. 14-10	CSA Standard for Low Voltage Distribution and Control Equipment
CSA C22.2 No. 94-M91	This Standard applies to special purpose enclosures for electrical equipment intended to be installed
CSA C22.2 No. 94.1-07	This Standard applies to special purpose enclosures for electrical equipment intended to be installed and used in non-hazardous locations.
CSA C22.2 No. 94.2-07	Standard applies to Enclosures for Electrical Equipment, Environmental Considerations.
IEEE C37.20.7 Type 2B	Defines switchgear arc resistance from the front, sides and rear. Type B specifies arc resistance is maintained, even when opening designated, low voltage equipment.
IEC 62271-200	Specification requirements for pre-fabricated metal enclosed switchgear and control gear above 1 kV and through 52 kV. Enclosures may include fixed and removeable components and have various insulating properties.
IEC 60068-2-6:2007	Environmental testing- Vibration.
IEC 60068-2-3	Environmental testing- Damp heat, steady state.
IEC 60068-2-78:2012	Environmental testing- Extreme humidity withstand.
American Bureau of Shipping (ABS)	A classification society, with a mission to promote the security of life, property and the environment through design verifications standards for marine related operations.
DNV P261.1E Maritime, Vessel & Offshore	A global quality assurance and risk management company that provides classifications and design validations to products used in the maritime, vessel and offshore industries.
Lloyds of London Type Approval	LR provides independent approval certificates, validating a product's conformity within specific standards and specifications. It also validates quality production by design reviews, site audits and type testing.
Other	
Warranty	Unconditional Lifetime Warranty