

ATEX PURGEER-/DRUKSYSTEMEN VOOR GEVAARLIJKE OMGEVINGEN, HLP

Purge and Pressurization is a protection method used with Type 4, 4X and 12 (IP54 recommended minimum) enclosures. The enclosure is initially purged to remove any internal explosive gases or dust. Once this is accomplished, the enclosure is pressurized with a protective air or inert gas supply. This provides a positive internal enclosure pressure which keeps any external explosive gases or dust from entering the enclosure. The two methods of purge and pressurization offered are Leak Compensation and Continuous Flow.

Leak Compensation maintains positive pressure by compensating for losses. System consists of Control Unit and Relief Valve. Certification Type Y and Z models: • Flush (internal) or external mount models • Local visual alarm indicator and dry contact output for remote alarm • Typically recommended for enclosures with volume of 60 Ft³ or less. Certification Type X Model: • Provides power disconnect when pressurization is lost or not attained • Provides automatic purge process • External mount • Local visual alarm indicator and dry contact output for remote alarm • Typically recommended for enclosures with volume of 60 Ft³ or less.

Continuous Flow provides positive pressure via continuous protective air flow through the enclosure. System consists of Control Unit, Calibrated Outlet Orifice and Relief Valve. Certification Type Y and Z Models: • Flush (internal) or external mount models • Local visual alarm indicator and dry contact output for remote alarm • Typically recommended for enclosures with volume of 17 Ft³ or less



INDUSTRIENORMEN

Type X

Ex [px] Ex [p]

IECEx SIR.0019X [Gb, Db]

Europe, ATEX Category 2 GD

Cert no Sira 14ATEX1045X

USA/Canada NFPA496 CI I Div 1 Groups A, B, C & D

UL E466718

Type Y

Ex [py] Ex [p]

North America CI I Div 1 Groups A, B, C & D

For protecting CI I Div 2 equipment

Type Z

Ex [pz] Ex [p]

IECEX SIR.0019X [Gc, Dc]

Europe, ATEX Category 3 GD

North America CI I Div 2 Groups A, B, C & D

KENMERKEN

All exterior components are 316 stainless steel or corrosion-resistant composite

Space-saving flush or exterior mounted models available

Local visual indicators provide system status

Leak compensation models are equipped with rapid purge valve and visual purge status indicator

All models utilize dry, clean inert gas supply of 60 PSI (4 bar) to 115 PSI (8 bar)

Ambient operating temperature -4°F (-20°C) to 131°F (55°C)

Type X models provide automatic purge cycle and 4PNO/20A/440VAC power contactor with 115 VAC or 230 VAC coil

SPECIFICATIES

Afwerking: Opgepoetst

Materiaal: Roestvrij staal 316L

Table 1/1

Catalogusnummer	Dikte	Operation Type	Montage	Certification Type	Snelle verzending
PCFB1YZ	3.18mm	Continuous Flow	Exterior	Y and Z	Nee
PCFF1YZ	3.18mm	Continuous Flow	Flush	Y and Z	Nee
PLCB1YZ	3.18mm	Leak Compensation	Exterior	Y and Z	Nee
PLCF1YZ	3.18mm	Leak Compensation	Flush	Y and Z	Nee
PLCS1X1	3.18mm	Leak Compensation	Exterior	X (120 VAC)	Nee
PLCS1X2	3.18mm	Leak Compensation	Exterior	X (230 VAC)	Nee
PCFSKIT					Nee
PLCSKIT					Nee

ADDITIONAL PRODUCT DETAILS

For all IEC and ATEC applications, the final or complete integrated assembly must be submitted to a notified body for certification.

See Specification Sheet for Purge and Pressurization Systems and Certifications table.

WAARSCHUWING

nVent-producten moeten alleen worden geïnstalleerd en gebruikt zoals aangegeven in de instructiebladen en trainingsmateriaal van nVent. Instructiebladen zijn beschikbaar op www.nvent.com en bij uw nVent klantenservicevertegenwoordiger. Onjuiste installatie, misbruik, verkeerde toepassing of ander falen om de instructies en waarschuwingen van nVent volledig te volgen, kan leiden tot productstoringen, schade aan eigendommen, ernstig lichamelijk letsel en de dood en/of uw garantie ongeldig maken.



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TRACER