



PURGE SOLUTIONS

Bebco EPS® Purge and Pressurization systems

Bebco EPS® Purge and Pressurization systems offer a safe and economical approach to installing electrical equipment in hazardous locations. They purge and pressurize the protected enclosure and then maintain pressure within the enclosure. This reduces the classification within the protected enclosure from a Division 1, Zone 1, 21 to Division 2, Zone 2, 22 or general-purpose area.

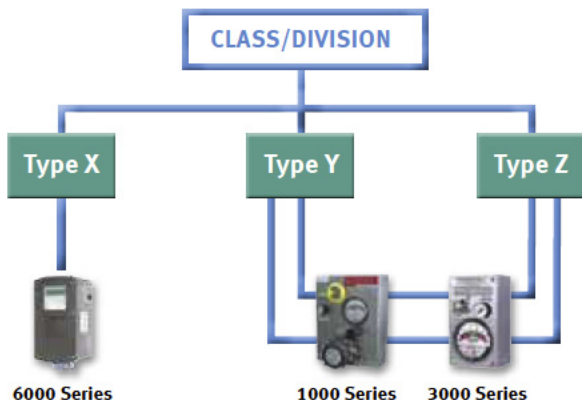
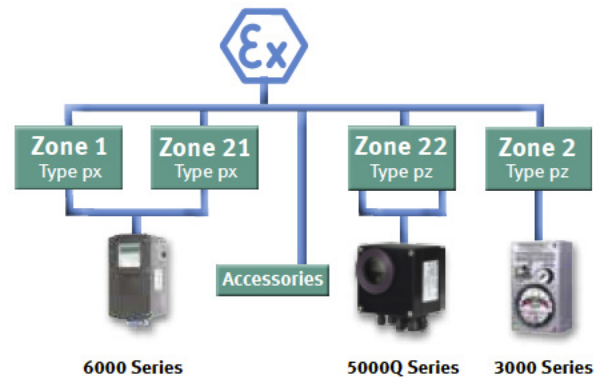
Benefits

- » By creating a safe area inside an enclosure, general purpose equipment can be used in hazardous (classified) areas.
- » Flammable gas collected inside the enclosure is removed and the accumulation of gases or ignitable dust within the pressurized enclosure is prevented.
- » Europe, Asia, or North America – we have a universal purge solution for all your applications!

SYSTEMS FOR ATEX

Pepperl+Fuchs' 6000, 5000Q, and 3000 Series are available for ATEX as Ex [px] or Ex [pz] applications. The 6000 Series is a complete automatic system for Zone 1 and 21. The 5000Q Series is a compact system for Zone 2 and 22 applications. The 3000 Series has a very effective, well-proven design as a manual system for Zone 2 applications.

In Europe, Pepperl+Fuchs is able to provide complete solutions using the catalog certification BVS-09 ATEX E 161.



SYSTEMS FOR CLASS/DIVISION

For Division applications, the product range includes 6000, 3000 and 1000 Series. The Type X, Y and Z solutions are easy and cost-effective solutions for applications in Class I and Class II, Division 1 and Division 2 rated areas.

In North America, Pepperl+Fuchs is listed under UL 508/698 panel program and can design and build your protected enclosure. Our wide range of UL listed products allow Pepperl+Fuchs to build complete solutions or component kits are available for integration into a custom enclosure.



PURGE SOLUTIONS

6000 & 5000 Series



6000 SERIES: TYPE x/Ex Px PURGE

Pepperl+Fuchs' 6000 Series is the most advanced system on the market! It has a 316L stainless steel, Type 4X , IP66 housing that contains the controller, pneumatics, electrical I/O, and programming interface. The programming screen allows easy setup and operation and lets the user program the system according to the requirements of the application. The screen also displays information such as flow, pressure, and system status. The pressure and flow feedback is provided to the control unit by the vent. Certified for use in North America, Europe, and Asia, this is your single solution for all your purge and pressurization applications.

- » DEMKO, ATEX, CSA, cULus, IEC 61508, SIL2
- » Enclosure volume up to 250 ft³ (7.08 m³)
- » Completely automatic
- » Single unit certified for gas and dust atmospheres
- » Vent can be mounted in any orientation
- » The manifold has an automatic purging and pressurization feature that offers considerable cost savings on gas for applications using non-atmospheric air
- » 6000 Series I.S. temperature hub and sensor can be used to monitor and control enclosure temperature

5000Q SERIES: TYPE Ex Pz PURGE

The 5000Q Series is the latest Pepper+Fuchs Bebcos EPS product line. This series allows general-purpose equipment to be mounted in standard enclosures and operate safely in a Zone 2, Zone 22 hazardous area. The 5000Q is field configurable, making it easy for users to select the program for their application using the menus on the display screen. It also provides LED feedback for system status.

- » ATEX to the EN 60079-2 for gas and IEC 61241 for dust
- » Three temperature inputs for PT100
- » LCD display and five individual programs
- » Automatic leakage compensation
- » Rapid exchange
- » Simple compact design
- » Pressure sensor allows automatic purging and pressurization





PURGE SOLUTIONS

3000 & 1000 Series, Custom Solutions



3000 SERIES: TYPE Y, z, AND Ex Pz

The 3000 Series purge system is available for Type Z and Y and Ex [pz] applications as one model number. This globally certified purge system meets Class/Division and ATEX standards. The 3000 Series has a very effective, well-proven design. Component kits are available for integration into the custom enclosure.

- » CSA, cULus, ATEX, and FM classified
- » Conforms to NFPA 496 and new ATEX directives
- » For Type Y or Type Z and Ex [pz]
- » Enclosure volumes to 250 ft³ (7.08 m³)
- » Component kits offer space and cost savings

1000 SERIES: TYPE Y Purge

The 1000 Series Type Y purge system has been providing reliable protection to the industry for over 20 years. The purge system is rated for Class I, Division 1 to Division 2 area applications or Class II, Division 1 to Division 2 applications.

- » CSA, cULus and FM classified
- » Conforms to NFPA 496 and ISA 12.4 standards
- » Enclosure volumes to 450 ft³ (12.7 m³)



PURGED ENCLOSURE SOLUTION

Purged enclosure solutions offer a safe and economical approach to installing electrical equipment in hazardous locations. By creating a safe area inside the enclosure, general purpose equipment can be used in hazardous (classified) areas. The cabinet and enclosure solutions are built in-house and customized to meet the individual need of any project.

- » For applications ranging from Type X, Y, and Z to Ex p
- » Multiple enclosure material types and sizes
- » Purge system pre-assembled to enclosure for easy on-site installation
- » Customized solutions
- » Class I, II, and III; Division 1 and 2; Zone 1, 2, 21 and 22



PURGE SOLUTIONS

Purge Selection Guide

Pepperl+Fuchs offers a full range of purge and pressurization equipment to meet the needs of your application. Each purge system is built in an ISO 9001 registered manufacturing facility.

When purchasing a Pepperl+Fuchs purge system from ISC you get more than a system. You also get our expertise and service. Our purge experts are available to assist with your application whenever and wherever you need it. From order to delivery, we are the quickest, most reliable source for all your purge and pressurization needs!

Zone Applications (ATEX and IECEx)					
Zone	Type	Group	Equipment	90 ft ³ (2.54m ³)	250ft ³ (7.08 m ³)
2	Ex pz	IIC	General-Purpose	3003 Series	3004 Series
2	Ex pz	IIB+H2	General-Purpose	3003 Series	3004 Series
1&21	Ex pz	IIC	General-Purpose	6000 Series	6000 Series
2&22	Ex pz	IIC	General-Purpose	5000Q Series	5000Q Series

Hazardous Gas	
Panel	Vent
3003	EPV-3-SA-XX
3004	EPV-4-SA-XX
6000	EPV-6000-XX-01
5000	EPV-5000

Class I Applications					
Div.	Type	Group	Equipment	90 ft ³ (2.54m ³)	250ft ³ (7.08 m ³)
2	Z	A - D	General-Purpose	3003 Series	3004 Series
2	Z	C & D	General-Purpose	3003 Series	3004 Series
1	X	A - D	General-Purpose	6000 Series	6000 Series
1	Y	A - D	Div. 2	3003 Series	3004 Series
1	Y	C & D	Div. 2	3003 Series	3004 Series

Hazardous Dust	
Panel	Vent
1001A	EPV-1-SA-XX
1001B	EPV-3-SA-XX
1001C	EPV-4-SA-XX
5000	EPV-5000
6000	EPV-6000-XX-01

Class II Applications						
Div.	Type	Group	Equipment	10 ft ³ (0.3m ³)	50 ft ³ (1.4m ³)	250 ft ³ (7.08m ³)
2	Z	E - G	General-Purpose	1001A Series	1001B Series	1001C Series
1	X	E - G	General-Purpose	6000 Series	6000 Series	6000 Series
1	Y	E - G	Div. 2	1001A Series	1001B Series	1001C Series

*Information Subject to change without notice