

## BENEFITS AND FEATURES

### Global Certifications

Certified for use in North America, Europe, and Asia, this series is your single solution for all your purge and pressurization applications.

### Rugged Construction

Extremely durable construction makes the series well-suited for use in applications where corrosive or potentially explosive environments exist.

### Advanced and Flexible Design

- Universal mounting options make the unit easy to integrate into existing and customized systems and allow you to mount the unit and vent in any vertical or horizontal orientation on your enclosure.
- A user-friendly interface with backlit LCD and highly visible LEDs allows easy programming and operation. The interface can be rotated to any orientation your application requires.
- The manifold has an automatic purging and pressurization feature that offers considerable cost savings on gas for applications using non-atmospheric air.

### One "Smart" Vent for All Enclosures

- A gravity-free flapper and rotatable vent cap with spark arrestor allow the vent to be mounted in any orientation—even inside your enclosure.
- An internal flow and pressure sensor detects different rates of purging and pressurization giving you the ability to have multiple flow rates.

### Efficient and Reliable Service

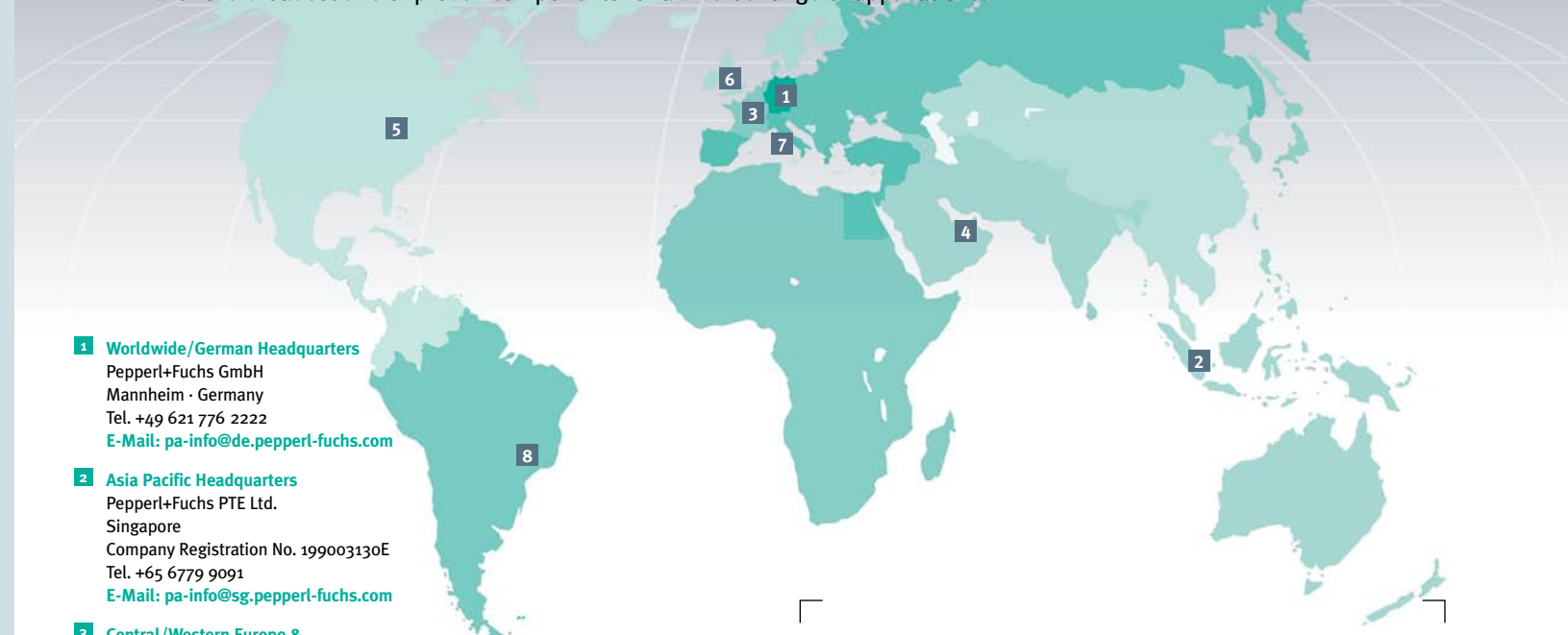
When purchasing from Pepperl+Fuchs you get more than a system. You also get our expertise and service. Our experts are available to assist you with your application whenever and wherever you need it. From order to delivery, we are the quickest, most reliable source for all your purge and pressurization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



## PROCESS AUTOMATION – PROTECTING YOUR PROCESS



For over a half century, Pepperl+Fuchs has provided new concepts for the world of process automation. Our company sets standards in quality and innovative technology. We develop, produce and distribute electronic interface modules, Human-Machine Interfaces and hazardous location protection equipment on a global scale, meeting the most demanding needs of industry. Resulting from our world-wide presence and our high flexibility in production and customer service, we are able to offer complete individual solutions – wherever and whenever you need us. We are the recognized experts in our technologies – Pepperl+Fuchs has earned a strong reputation by supplying the world's largest process industry companies with the broadest line of proven components for a diverse range of applications.



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**PF PEPPERL+FUCHS**  
PROTECTING YOUR PROCESS

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**PEPPERL+FUCHS BEBCO EPS®**

**6000 SERIES PURGE/PRESSURIZATION SYSTEM**



**PF PEPPERL+FUCHS**  
PROTECTING YOUR PROCESS

FLAMMABLE GAS  
Explosion Prevention  
VAPOR DUST

# PEPPERL+FUCHS 6000 SERIES—THE MOST ADVANCED PURGE/PRESSURIZATION SYSTEM IN THE INDUSTRY

Pepperl+Fuchs announces the addition of the 6000 Series to the Bebcos EPS® product line. This new series has a stainless steel 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. With global certifications and a 21<sup>st</sup> century design, the 6000 Series is the most advanced system on the market! Pepperl+Fuchs continues to be The Leaders in Purging Technology®.

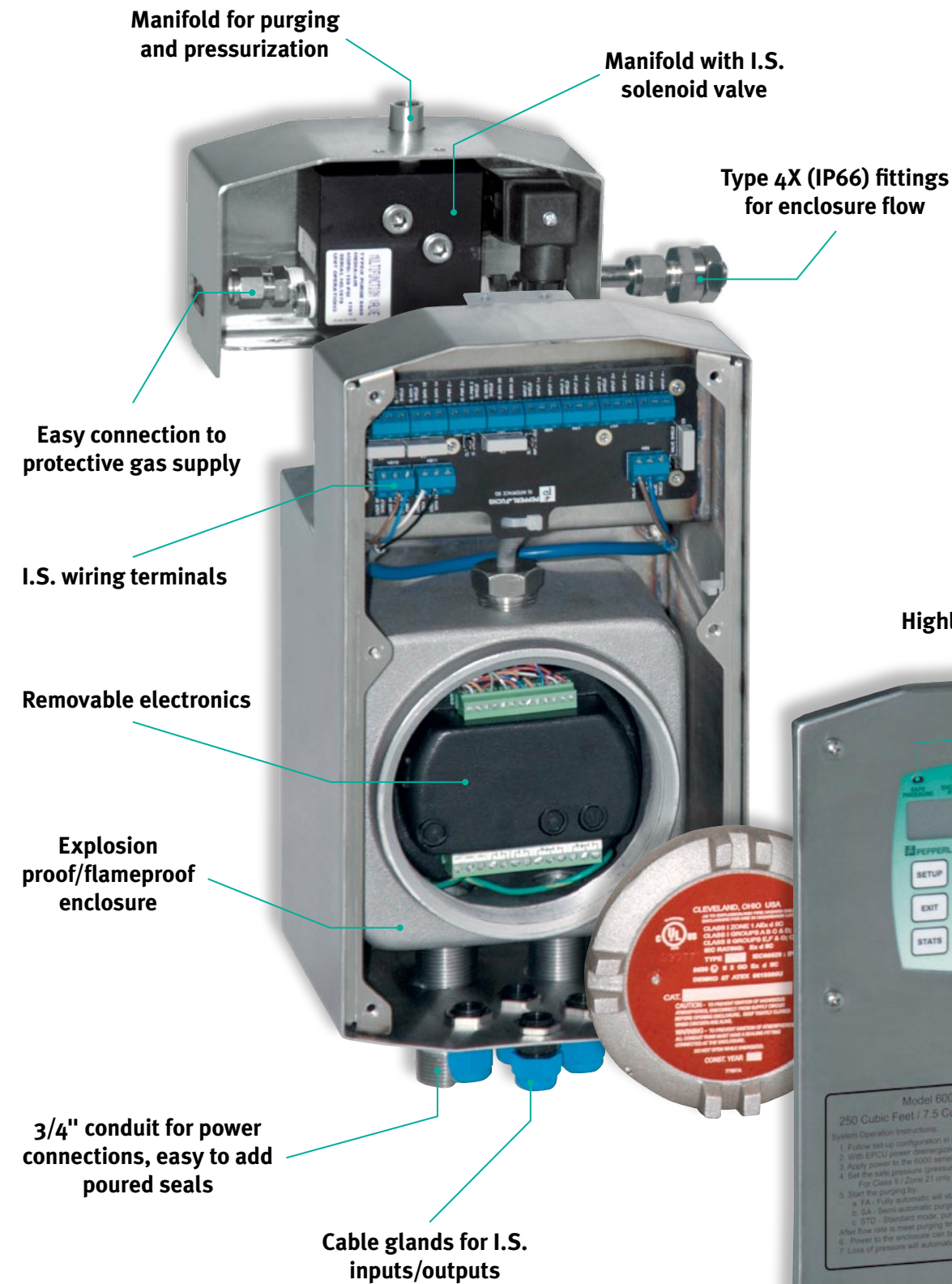
## STANDARD MODEL APPLICATIONS

<b>Model Numbers:</b>	6000 Type X & Ex px
<b>Designation:</b>	Rapid Exchange® purging systems
<b>Enclosure Volume:</b>	250 ft <sup>3</sup> / 7.1 m <sup>3</sup> max.
<b>EX approvals:</b>	Ex II 2GD EEx px, Ib, de, d, IIC, DEMKO ATEX to the EN60079-2 for gas, IEC61241-4 for dust, designated Ex px
	IECEX
<b>cULus:</b>	Type X, Class I / Division 1 / Groups A-D, Class II / Division 1 / Groups E, F, & G to the NFPA 496
<b>Safety Integrity Level:</b>	IEC 61508, SIL 2. SIL 3 option available



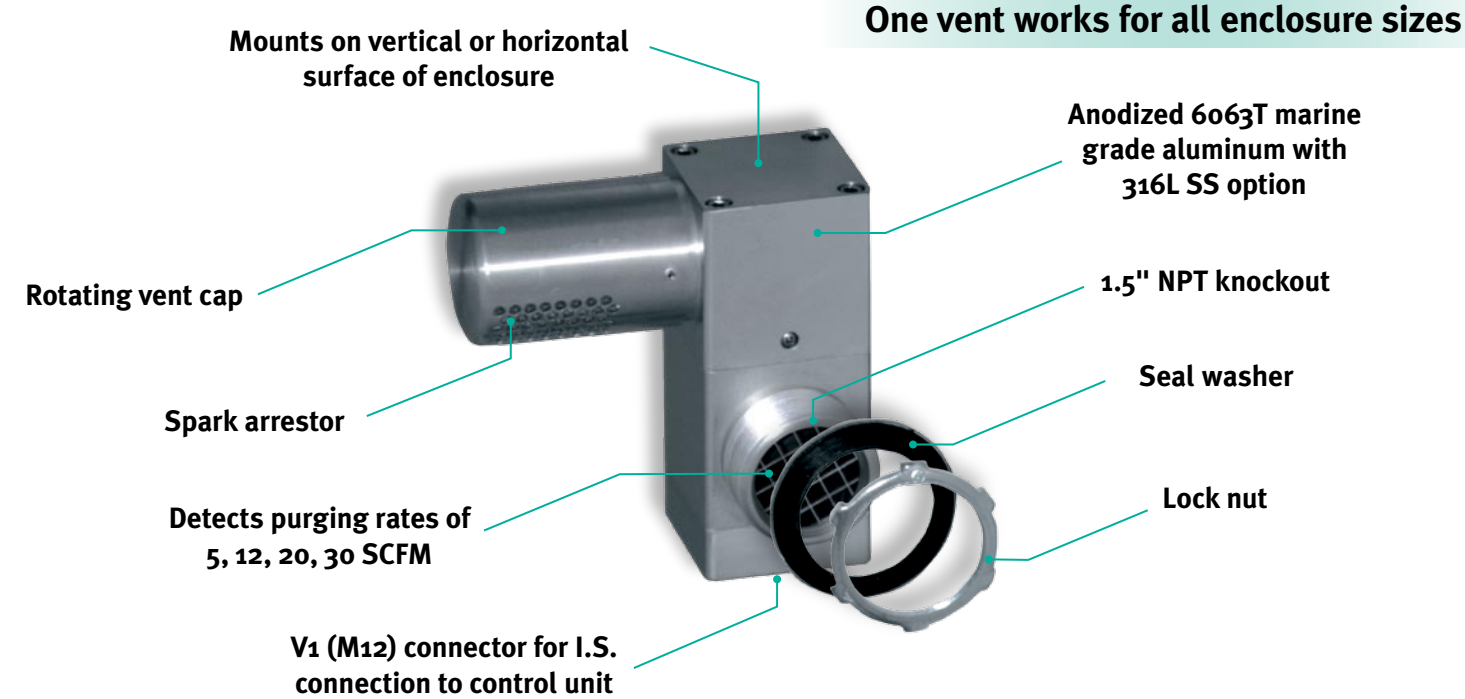
# TYPE X & Ex px

## 6000 SERIES CONTROL UNIT

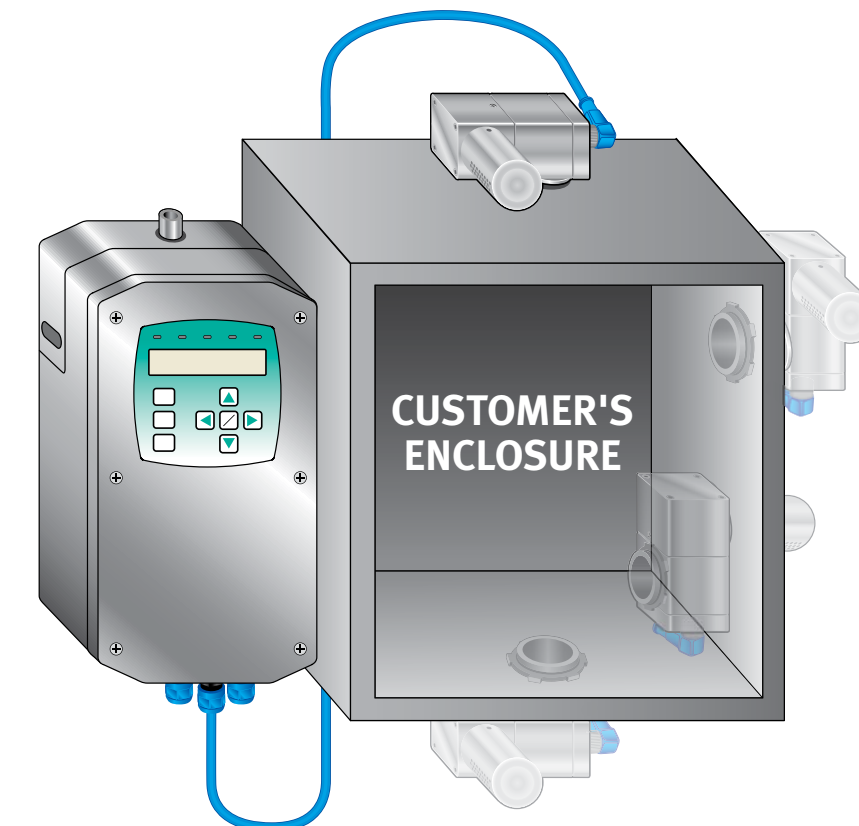


No special wire harness

## EPV-6000 VENT



Control unit and vent can be mounted in any orientation—vent can be mounted inside enclosure with vent cap on the outside



Purge and pressurization protection is suitable for many applications and is one of the most flexible Ex protection solutions. The Bebcos EPS® systems by Pepperl+Fuchs provide the means to operate general purpose equipment in classified areas or in environments that are highly corrosive or dusty. The principle behind purge and pressurization systems is to prevent a corrosive, dusty, or potentially explosive atmosphere from penetrating a closed protective housing using standard overpressure technology. With a complete range of solutions for both Zone and Division applications, Pepperl+Fuchs offers the expertise and solutions to satisfy the safety and operational requirements for today's process automation environments.

For more information about our complete line of purge and pressurization solutions, visit [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## TYPICAL APPLICATIONS



The 6000 Series' rugged housing is designed to withstand harsh and corrosive environments.



Pepperl+Fuchs purge/pressurization systems support a wide range of cabinet enclosure solutions.



In hazardous locations, where flammable vapors, gases, and dust are present, Pepperl+Fuchs 6000 Series helps prevent plant explosions.