Reliable, Intuitive, and Advanced for Dependable Protection

Pepperl+Fuchs BEBCO EPS®
6000 Series Type X/Ex pxb
Purge and Pressurization System

Your automation, our passion.

PEPPERL+FUCHS

Cutting-Edge Technology for Dependable Protection

The 6000 Series is the most advanced Type X/Ex pxb purge system on the market. Designed as the complete solution for Zone 1 and Division 1 hazardous operations, this stainless steel unit contains the controller, pneumatics, electrical I/O, and programming interface in one sleek, fully automatic package. With an intuitive user interface that allows you to configure the system to meet your specific application needs, the 6000 Series provides reliable protection in the most demanding applications.

Product Details

- Globally certified to ATEX, IECEx, UL, cULus, and others
- Single unit certified for gas or dust applications
- Automatic setup with menu-driven configuration
- Automatic Rapid Exchange® for temperature control and enclosure pressure compensation
- Bypass function for easy maintenance and commissioning
- Digital pressure relief vent with flow and pressure monitoring
- Automatic power shutdown function controls the power shutdown of the enclosure in case of system failure
- Available in a component kit for easy and seamless integration into OEM applications
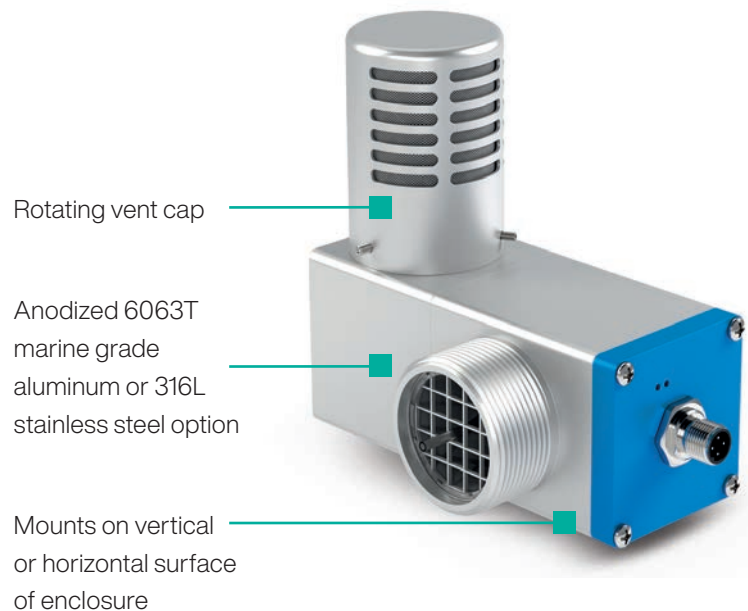
Highly visible status LEDs

2-line, 20-character LCD with backlit display screen

User interface rotates for horizontal or vertical mounting

Technical Data

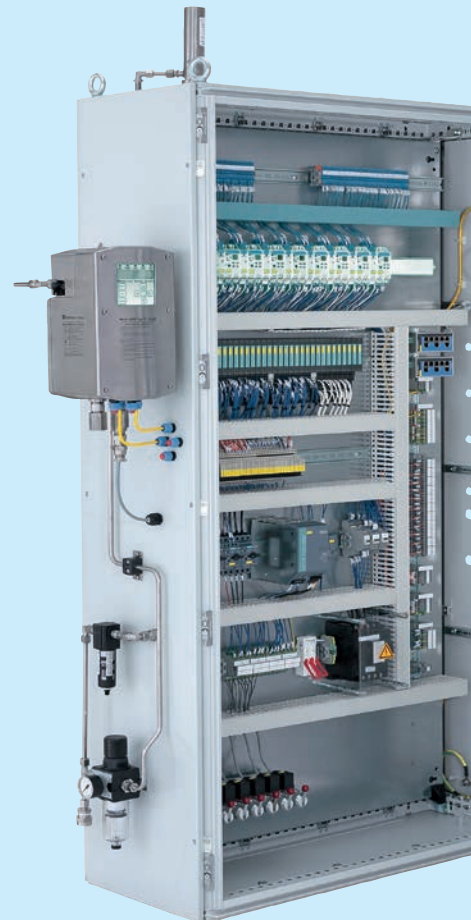|	
Approvals	DEMKO, UL, cULus, IECEx, CCC and others
Hazardous environment	Class I or II, Div. 1 to non-hazardous, Zone 1/21 to non-hazardous
Rated voltage	AC: 90 ... 264 V / 48 ... 62 Hz DC: 20 ... 30 V DC
Size	7.2 x 14.45 x 6 in (183 x 367.5 x 152.5 mm)
Weight	25 lb (11.4 kg)
Material / Degree of protection	316L stainless steel / Type 4X, IP66
Operating temperature	-20 ... +60 °C (-4 ... +140 °F)

EPV Vent

Rotating vent cap

Anodized 6063T marine grade aluminum or 316L stainless steel option

Mounts on vertical or horizontal surface of enclosure

6000 Series Control Unit

Model 6000 Type X / Ex px

System Operation Instructions

1. With Pepperl+Fuchs Purging system air supply on
2. Apply power to the 6000 series control unit.
3. Follow set-up configuration in manual.
   For GAS only areas proceed to step 5
   For DUST only areas proceed to step 4. Omit step 7
   For both GAS and DUST areas proceed to step 4
4. Clean all dust inside of enclosure.
5. With enclosure sealed.
6. Set safe pressure sealed.
7. Start the purging by:
   a. FA - Fully automatic will start purging after a safe pressure is set, will automatically stop.
   b. SA - Semi-automatic purging initiated by activating keypad, will automatically stop.
   c. STD - Standard mode, purging starts and stops by activating Keypad.
   After flow rate is met, purging starts and stops by activating
8. Power to the enclosure can be initiated
9. Loss of pressure will automatically start the deenergizing of the enclosure power.

Service and support anywhere in the world.

Easy connection to protective gas supply

316L stainless steel, Type 4X - degree of protection (IP66)

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Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus Infrastructure
- Remote I/O Systems
- Electrical Explosion Protection Equipment
- Purge and Pressurization Systems
- HMI Systems
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Vibration Sensors
- Industrial Ethernet
- AS-Interface
- IO-Link
- Identification Systems
- Displays and Signal Processing
- Connectivity

Pepperl+Fuchs Quality
Download our latest policy here:

www.pepperl-fuchs.com/quality

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