

ENVIRO-LINE™

## ENVIRONMENTAL PRESSURIZATION SYSTEMS





## From The Leaders in Purging Technology®

Pepperl+Fuchs Bebcos EPS® is proud to offer the **Enviro-Line** series of environmental pressurization systems. Available as a complete kit, the **Enviro-Line** pressurization units are a simple, cost-effective and complete solution to pressurization applications in nonhazardous areas that contain dusty, dirty and corrosive atmospheres.

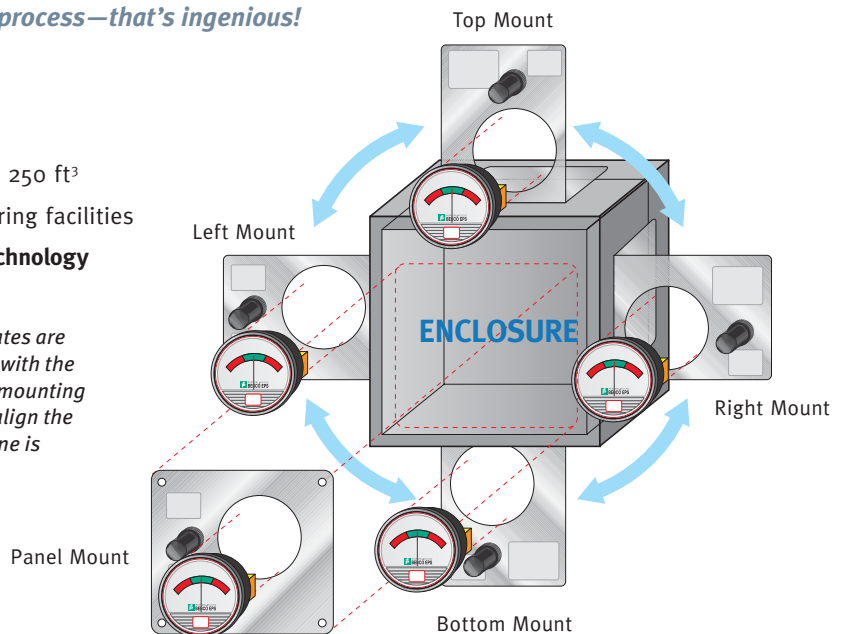
The **Enviro-Line** series simplifies ordering and installation. Units are designed and delivered as a complete system with regulator or vent, depending on your application. There's no need to search for the correct fittings, hardware or mounting accessories and no need to contact multiple vendors for additional parts.

With **Enviro-Line** there is no need to use certified pressurization systems designed to be used in hazardous locations. The economical price of the Enviro-Line pressurization unit makes building nonhazardous purging units inefficient and unnecessary.

***Saving you money and simplifying the process—that's ingenious!**  
**That's Pepperl+Fuchs Bebcos EPS!***

- Simple
- Cost-effective
- Complete package for enclosures up to 250 ft³
- Built in ISO 9001 registered manufacturing facilities
- Supplied by **The Leaders in Purging Technology**

*P+F makes it simple. Mounting plates are adaptable for every configuration with the Enviro-Line kit. Simply attach the mounting plate to best fit your application, align the pressure gauge, and the Enviro-Line is ready to go!*



**For more information on the Enviro-Line Pressurization Enclosure and other P+F Purge/Pressurization Systems, visit our website at [www.bebcoeps.com](http://www.bebcoeps.com)**

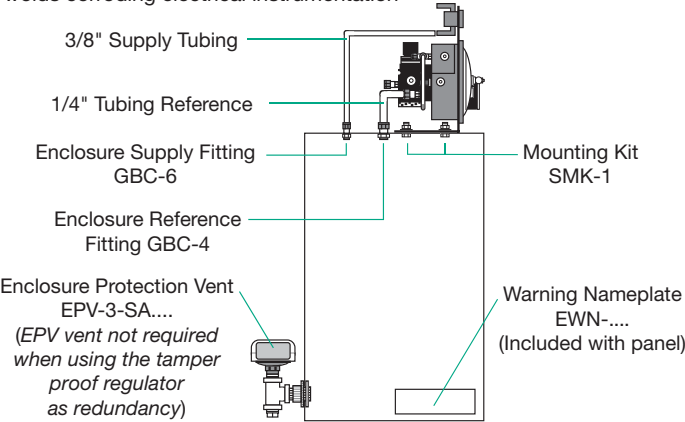
Description

Enviro-Line pressurization is an enclosure pressurization system for nonhazardous areas that operates on a supply of compressed instrument air or inert gas. It regulates and monitors the pressure within the sealed enclosure in order to prevent the accumulation of damaging and caustic gases and dusts. The elimination of these gases and dusts extends the life of the enclosure's expensive electrical equipment and instrumentation. Due to higher pressures inside the electrical enclosure, corrosive environments remain outside. The system maintains a constant 0.5" water pressure inside the enclosure.

Operation

Using the Enviro-Line pressurization unit is uncomplicated and straightforward. The Enviro-Line pressurization unit is delivered as a complete kit and installs easily with all connection and mounting accessories included. Since the unit is designed for use in nonhazardous areas, power to the enclosure can be energized prior to engaging the air supply. The redundant regulator is used to keep incoming enclosure pressure at a maximum of 5 psi. The enclosure pressure control regulator is used to set a safe reading on the enclosure pressure gauge after the enclosure has been sealed. The Enviro-Line pressurization unit:

- Ensures longer electrical equipment life
- Keeps caustic/corrosive environment outside the enclosure
- Avoids corroding electrical instrumentation



System Specifications

Shipping Weight:	WGS - 6 lb / LGS - 5 lb
Temperature Range:	-20 °F to +120 °F
Supply Pressure Range:	* 5 - 120 psi
Supply Requirements:	Clean air or inert gas
Safe Pressure:	0.5" water
Safe Pressure Flow Rate:	0.1 - 3.5 SCFH
System Supply Fitting:	3/8" tube fitting
Enclosure Supply Fitting:	3/8" tube fitting
Enclosure Reference Fitting:	1/4" tube fitting

\* With EPV-3 vent - 120 psi max. to 5 psi min.  
Systems installed without vent must be equipped with redundant regulator set to 5 psi max.

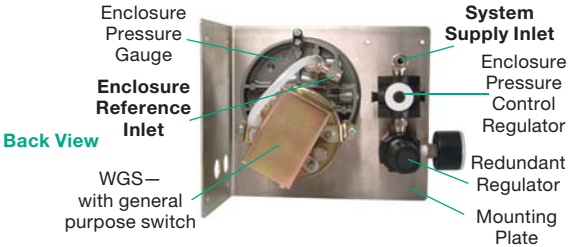
Down to the nuts & bolts...  
Everything you need for pressurization in nonhazardous dusty, dirty or corrosive areas in ONE SIMPLE KIT!

Front View  
(Left Mount Shown)



CONNECTION POINTS SHOWN IN BOLD TEXT ON SYSTEM DIAGRAM

Back View



Material Specifications

Regulator Body:	Zinc w/Enamel Finish
Regulator Handle:	Polycarbonate
Enclosure Pressure Gauge:	Alum. w/Enamel Finish
Tube Fittings:	Nickel Plated Brass Forged Body
Tubing:	Nylon or Polyurethane .035
System Nameplates:	Silk screened Lexan® & SS
Fastener Hardware:	Alum. & Stainless Steel
Mounting Plate:	316 14 Ga #3 Brush SS
General Purpose Switch Body:	Anodized Cast Alum.
Enclosure Warning Nameplate:	Silk screened SS

Lexan® is a registered trademark of the General Electric Company

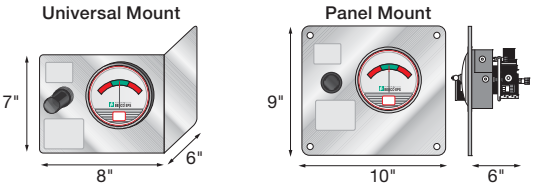
Model Number Designations

10E - WGS - WRR - UM
Series Model Number
System Style
WGS - with general purpose switch
LGS - less general purpose switch
System Options
WRR - with redundant regulator
WVT - with vent
Mounting Configuration
UM - universal mount - left, right, top or bottom
PM - panel mount - enclosure surface cutout
(PM not available with redundant regulator - WRR configuration)

System Accessories

EPC-10	1/2" Pipe Connector
ILF-4	1/4" Filter
129-0251	Additional Installation & Operation Manual

System Dimensions (inches)



MODEL NUMBER Available in universal or panel mount	WGS With general purpose switch	WRR With redundant regulator, with gauge	WVT With vent EPV-3-SA-00 / 90 for top or side mount	FITTINGS & CONNECTIONS		
				1/4" stainless steel hex bolts & nuts	3/8" supply tubing, 1/4" reference tubing	3/8" & 1/4" stainless steel connection fittings
10E-WGS-WRR-....	■	■		■	■	■
10E-LGS-WRR-....		■		■	■	■
10E-WGS-WVT-....	■		■	■	■	■
10E-LGS-WVT-....			■	■	■	■



# WHEN PROTECTION IS CRITICAL

Pepperl+Fuchs Bebcos EPS® is the global leader in the design and manufacturing of safety equipment for hazardous areas. Our recent growth has placed us in the unique position of offering the most complete selection of purge & pressurization equipment available today. When protection is critical, nobody—but nobody—delivers like Pepperl+Fuchs Bebcos EPS!

## The Leaders In Purging Technology®

- Universal solutions for worldwide use
- Type X, Y, Z, Ex p and Ex nP systems
- Custom designs for specific applications



### Worldwide Headquarters

Pepperl+Fuchs GmbH · Königsberger Allee 87  
68307 Mannheim · Germany  
Tel. +49 621 776-0 · Fax +49 621 776-1000  
e-mail: [pa-info@de.pepperl-fuchs.com](mailto:pa-info@de.pepperl-fuchs.com)

### USA Headquarters

Pepperl+Fuchs Inc. · 1600 Enterprise Parkway  
Twinsburg, Ohio 44087 · USA  
Tel. +1 330 486-0002 · Fax +1 330 425-4607  
e-mail: [sales@us.pepperl-fuchs.com](mailto:sales@us.pepperl-fuchs.com)

### Asia Pacific Headquarters

Pepperl+Fuchs Pte Ltd. · P+F Building  
18 Ayer Rajah Crescent · Singapore 139942  
Company Registration no. 199003130E  
Tel. +65 67799091 · Fax +65 68731637  
e-mail: [sales@sg.pepperl-fuchs.com](mailto:sales@sg.pepperl-fuchs.com)

