**Description**

The Enviro-Line series is an environmental pressurization system designed for nonhazardous areas that contain dusty, dirty, and corrosive atmospheres. It operates on a supply of compressed instrument air or inert gas to regulate and monitor the pressure within the sealed enclosure. This prevents 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. The Enviro-Line offers a complete environmental pressurization system including a regulator or vent, depending on your application. It is designed for enclosures up to 250 ft.

**Nonhazardous pressurization**

An Enviro-Line pressurization system includes a stainless steel panel, adaptable mounting plate, enclosure pressure gauge, tubing, fittings and fastening hardware—a complete kit, down to the nuts and bolts!

**Standard Model Applications**

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!
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 (2.7 kg) / LGS - 5 lb (2.3 kg)
Temperature Range: -20 °F to +120 °F (-29 °C to +49 °C)
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
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.

Model Number Designations

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

Universal mount
177.8 mm (7.0")
228.6 mm (9.0"

Panel mount
203.2 mm (8.0")
228.6 mm (9.0")
254 mm (10.0"
152.4 mm (6.0"

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

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>WGS</th>
<th>WRR</th>
<th>WVT</th>
<th>FITTINGS &amp; CONNECTIONS (included)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10E-WGS-WRR-....</td>
<td>With general-purpose switch</td>
<td>With redundant regulator, with gauge</td>
<td>EPV-3/SA-00 / 90 for top or side mount</td>
<td>1/4&quot; stainless steel hex bolts &amp; nuts</td>
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<td>10E-LGS-WRR-....</td>
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<td>10E-WGS-WVT-....</td>
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<td>10E-LGS-WVT-....</td>
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Note: special configurations available upon request.