



Product Data Sheet

PE Certification Ex p

ATEX Pressurized Enclosures

Ex [px] Zone 1 (Category 2)
Ex [pz] Zone 2 (Category 3)



Photo:
ATEX Zone 1 IIC T4
Category 2

Expo PE2, 316L stainless
steel Ex [px] certified
Pressurized Enclosure

including 1XLC/ss/PO
+MIU/dA
MiniPurge™ Ex [px]
Purge & Pressurized
System

Zone 1 Certification of YOUR Equipment

The Expo MiniPurge™ Ex [px] systems and Pressurized Enclosures (PE2) [max. 2.1m x 0.9m x 0.9m] are certified to EN 60079-2 & ATEX Directive 94/9/EC for Zone 1 IIC T4 applications. Expo also holds a certificate for the completed assembly including your instrumentation and electrical equipment.

Common Pressurized Enclosures Options:

- + 316L Stainless Steel or Mild (Carbon) Steel
- + Windows up to 1m²
- + Control Devices (Lamps, Push Buttons, etc)
- + Sub-panel (Chassis) – Rear, Sides, Door
- + 19" Rack
- + Gland Plates & more

Contents of the Pressurized Enclosure

All internal components and details of the PE must be reviewed by Expo Technologies to determine compliance with the ATEX Certificate, Schedule of Limitations (SoL), thereby ensuring effective purging, compliance with Temperature Rating and Safe Operation.

Batteries need to be reviewed. Enclosures with internal source of gas release. Please contact Expo.

Please ask Expo for a copy of the "PE2 Schedule of Limitations".

Obtain ATEX Zone 1 Certification with YOUR Equipment

**ATEX Certified, Cat 2, Expo Pressurized
Enclosure Type PE2**

+

**ATEX Certified Expo Pressurize &
Purge System**

+

**YOUR Equipment - within agreed limits
Expo "Schedule of Limitations" (SoL)**

+

**Expo Verify the installation is
compliant with the SoL**

=

**ATEX Zone 1 Certification to
EN60079-2 & -0 Ex [px]**

Advantages:

- + No need for a Notified Body as the Certificate has been issued to Expo
- + Hazardous Area Engineering
- + Includes "Pressure – Leakage Test" Report
- + Reduced Certification costs
- + Reduced time to market
- + Where equipment does not comply with the SoL certification may be possible

"The Purge + Pressurization Specialists"

9140 Ravenna Road, Unit #3
Twinsburg, Ohio 44087, USA
T 888-NFPA-496 (Toll Free)
F 1 440 247 5409
E sales.na@expoworldwide.com

Expo Technologies

www.expoworldwide.com

Summer Road, Thames Ditton
Surrey, KT7 0RH, England
T +44 (0)20 8398 8011
F +44 (0)20 8398 8014
E Info@expoworldwide.com





Photo:
ATEX Zone 2 IIC T4
Category 3

Expo PE3 mild (carbon)
steel painted Ex [pz]
certified Pressurized
Enclosure

including a panel mount
1ZLC/pm/IS
MiniPurge™ Ex [pz]
Purge & Pressurized
system.

Zone 2 Certification of YOUR Equipment

The Expo MiniPurge™ Ex [pz] systems and Pressurized Enclosures (PE3) are certified to EN 60079-2 & ATEX Directive 94/9/EC for Zone 2 IIC T4 applications. Expo also holds a certificate for the completed assembly including your instrumentation and electrical equipment. PE's >2.1m x 0.9m x 0.9m will include for an Expo, ATEX Category 3 Certificate

Common Pressurized Enclosures Options:

- + 316L Stainless Steel or Mild (Carbon) Steel
- + Windows up to 1m²
- + Control Devices (Lamps, Push Buttons, etc)
- + Sub-panel (Chassis) – Rear, Sides, Door
- + 19" Rack
- + Gland Plates & more

Contents of the Pressurized Enclosure

All internal components and details of the PE must be reviewed by Expo Technologies to determine compliance with the ATEX Certificate, Schedule of Limitations (SoL), thereby ensuring effective purging, compliance with Temperature Rating and Safe Operation. Batteries need to be reviewed. Enclosures with internal source of gas release. Please contact Expo. *Please ask Expo for a copy of the "PE3 Schedule of Limitations".*

Obtain ATEX Zone 2 Certification with YOUR Equipment

**ATEX Certified. Cat 3, Expo Pressurized
Enclosure Type PE3**

+

**ATEX Certified Expo Pressurize &
Purge System**

+

**YOUR Equipment - within agreed limits
Expo "Schedule of Limitation" (SoL)**

+

**Expo Verify the installation is
compliant with the SoL**

=

**ATEX Zone 2 Certification to
EN60079-2 & -0 Ex [pz]**

Advantages:

- + **No need for a Notified Body as the Certificate will be issued by Expo**
- + **Hazardous Area Engineering**
- + **Includes "Pressure – Leakage Test" Report**
- + **Reduced Certification costs**
- + **Reduced time to market**
- + **Where equipment does not comply with the SoL certification may be possible**

Can I use my own enclosure

Where there is an existing enclosure it may be suitable for pressurization (Ex pz) and may be certified for Zone 2, ATEX, Category 3 hazardous locations. The enclosure should be fully welded, have sufficient hinges, fasteners around the door to hold the internal pressure with leakages < 60 NI/min, components, windows mounted in the walls of the enclosure will need to comply with the relevant standards such as EN 60079-0, impact tests, UV, Optical Radiation, etc., contents to comply with the SoL. Expo Consultancy Service will advise on these requirements and recommend solutions for your equipment for compliance with the EN standards and supply an ATEX Category 3 certificate for the complete package.

If you have an application for Hazardous Area (Location) IECEx – ATEX - NEC please feel free to ASK!

"The Purge + Pressurization Specialists"

9140 Ravenna Road, Unit #3
Twinsburg, Ohio 44087, USA
T 888-NFPA-496 (Toll Free)
F 1 440 247 5409
E sales.na@expoworldwide.com

Expo Technologies

www.expoworldwide.com

Summer Road, Thames Ditton
Surrey, KT7 0RH, England
T +44 (0)20 8398 8011
F +44 (0)20 8398 8014
E Info@expoworldwide.com

