ATEX

ATEX Atmosphere Classification

ATEX is a term commonly used in potentially explosive atmospheres. An explosive atmosphere is defined as a mixture of flammable substances in the form of gas, vapour or dust which, if exposed to a source of ignition, can catch fire in the form of an explosion.

Since 2003 the European directive makes compulsory to use ATEX certified enclosures & equipment in potentially explosive areas. This is in line with the dangerous substances and explosive atmospheres regulations (DSEAR) 2002.

Labelling:

0163: Organisation ref number
Ex: Atex symbol according to directive
II: Equipment for differing mining facilities and hazardous areas
2: Product category
GD: Gas and dust
EX: Product is ATEX compliant
IIE: Gas type: Hydrogen and similar.
Gb/Db: Protection against dust and gas for non-electrical equipment ‘Control of ignition sources’
Tb: Type of protection ‘Enclosure’
IIC: Powder type ‘Conducting’

Reference number
EC type certification no
Usage Temp
Manufacturing number
Degree of protection

Application | Hazardous area category | Zones | Atmosphere
--- | --- | --- | ---
GROUP I MINING | M1 and M2 | Gas & Dust (G and D) | G
 |  | Zone 1: Gas, vapour and mist | D
GROUP II INDUSTRIAL (NON-MINING) MINING | 1. Continuous for long periods 2. Occasional 3. Short periods only | Zone 20: Dusters | G
 |  | Zone 1: Gas, vapour and mist | D
 |  | Zone 2: Gas, vapour and mist | G
 |  | Zone 22: Dusters | D

Further information at www.hellermanntyton.co.uk
HT ATEX

ATEX Mild Steel Wall Mounted Enclosures

Group 1 ATEX mild steel enclosures. Both internally and externally protected with texturized polyester epoxy resin RAL7035 grey paint.

Features and Benefits
- Designed for use in potentially hazardous atmospheres
- Comes complete with mounting plate and set of 4 wall brackets
- Continuously injected silicone gasket for installations where a high sealing degree is required
- Totally reversible cabinet
- Range of temperature under normal conditions: -25°C to +60°C
- Certified for use in gas Zones 1 and 2, and Zones 21 and 22 for dust
- IK10

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Other sizes available on request

Stainless steel and GRP versions also available

The ATEX certification is a certification of the component. The final unit must also have an ATEX certificate and a declaration of conformity

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