

## EX-PROOF PANEL



### TECHNICAL DATA

#### Stainless Steel / Aluminium Casting / FRP

##### Material

- S.Steel 1.25 mm or 1.5 mm; 1.4404-316L / DIN EN 1706 EN AC-ALSi 12 (Fe) / Glass Fibre Reinforced Thermoset Polyester, Graphite added

##### Impact Resistance

- 7 Joule to EN 60079-0

##### Ingress Protection

- IP 66 to EN 60529

##### IP Rating

- IP66 (EN 60529) / IP55 / IP66 (EN 60529)

##### Others

- Pad-lockable, removable, screw-type solid door
- 180° Concealed hinge
- Door fastening with captive screws
- Ambient Temperature for Stainless Steel -55°C to +135°C
- Ambient Temperature for Aluminium Casting and FRP -40°C to +55°C for T5
- Ambient Temperature for Aluminium Casting and FRP -40°C to +40°C for T6
- Horizontal or vertical terminal options
- Ex e & Ex ia protection
- Zone1 (Category 2), Zone 2 (Category 3) & Zone 21 & 22.
- M6/M10 integral internal-external earthing stud

### INTRODUCTION

Most explosion-proof enclosure designs use stainless steel, cast aluminium, or fibreglass. Each enclosure is expected to withstand a hydrostatic pressure that is at least two times the maximum explosion pressure.

This parameter, together with flame path requirements, varies from one zone of protection to another. Explosion-proof control panels find applications in industries that have demanding safety requirements. They are widely used in the oil and gas industries, wastewater industries manufacturing industries, and other processing industries. In all these cases, the enclosures may differ in design depending on the specifications that they are designed to comply with.

### APPLICATION

- Power Distribution
- Indoor & Outdoor Application
- Oil and Gas Industries
- Wastewater Industries

### TYPES

- Stainless Steel Panels
- Aluminium Casting Panels
- Fibreglass Reinforced Polyester (FRP)

