

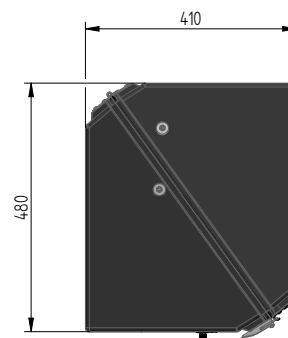
**bulk**

MADE IN ITALY

**GRP ENCLOSURES**

INSTRUMENT ENCLOSURE SERIE IEN

500N2 SERIE IEN

**MODEL: 500N2**ATEX 2014-34-UE  
CU TR 012/2011**Technical characteristics**

- Instrument protection enclosure made in hot pressed GRP (Glassfibre Reinforced Polyester)
- Antistatic material (surface resistance  $\leq$  of  $10^9 \Omega$ )
- External dimension in mm:  
460 (width) x 410 (depth) x 480 (height)
- Average thickness 5 mm
- Hinges, clasps and lid propstay made in stainless steel

- Window made in safety glass
- Gasket made in EPDM or Silicone
- Working temperature range:  
EPDM gasket:  $-40^\circ\text{C} + 80^\circ\text{C}$   
SILICONE gasket:  $-60^\circ\text{C} + 80^\circ\text{C}$
- Black color

**Protection degree**

- IP 66 construction
- IK10 construction in according to EN 62262:2002
- Positively tested to Impact test at  $-60^\circ\text{C}$   
CEI EN 60811-506

**Resistant to most corrosive types of environments**

- UV resistant in according to EN 60079
- Positively tested Sand and Dust  
Procedure II - Blowing sand in according to MIL-STD-810G METHOD 510.5
- Positively tested to Salt Mist Corrosion
- Positively tested in wind tunnel up to 160 km/h

**Hardly inflammable and self-extinguishing**

- "V-0" classification in according to UL 94 June 2009
- Determination of burning behavior by oxygen index in according to UNI EN ISO 4589-2: 30,5% Oxygen Index
- Classification of fire behavior in according to DIN 4102-1:1998: CLASS B2

**Export license:**

- ATEX 2014-34-UE  
II 2G Ex h IIC T6 ..T3 Gb X  
II 2D Ex h IIIC T85°C..T200°C Db X
- CU TR 012/2011  
II Gb IIC T\*X  
III Db IIIC T\*°C X

**IMPORTANT NOTE:** EX certifications cover only the enclosure, any product installed inside must be certified for hazardous area

**Options/accessories:**

- thermal insulation
- electrical heater and thermostat
- junction box
- shrinkable
- louvres
- cable gland
- grommet
- bulkhead union
- capillary entry
- TAG label
- lockable door
- drain device
- earth bar
- handle
- special mounting bracket
- compact manifold
- 2" pipe stand

# GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

bulk



## HOW TO ORDER:

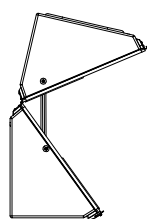
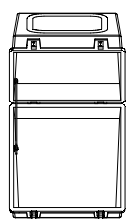
| ENCLOSURE SERIE | GASKET TYPE              | MATERIAL                | WINDOW         | INSULATION       | TYPICAL ASSEMBLY  | MOUNTING BRACKET MATERIAL | CERTIFICATION                    |
|-----------------|--------------------------|-------------------------|----------------|------------------|-------------------|---------------------------|----------------------------------|
| 50              | 0: EPDM (MIN. -40 °C)    | N: GRP ANTISTATIC BLACK | 2: WITH WINDOW | C: INSULATED     | SELECT FROM BELOW | A: ZINC-COATED STEEL      | A: ATEX                          |
|                 | 1: SILICONE (MIN. -60°C) | (*)                     |                | S: NOT INSULATED |                   | B: AISI 316               | D: EAC CU TR 012/2011 COMPLIANCE |
|                 |                          |                         |                |                  |                   | C: NOT REQUIRED           |                                  |

(\*) Other colours available on request

EXAMPLE: 500N2S015AA

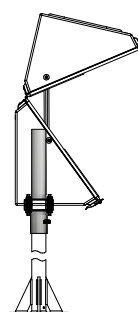
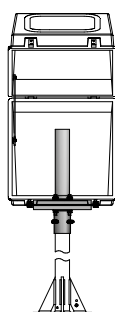
ENCLOSURE SERIE 50 NOT INSULATED WITH WINDOW, MATERIAL GRP ANTISTATIC BLACK C/W EPDM GASKET, INTERNAL AND EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, ATEX CERTIFIED

### TYPICAL ASSEMBLY 000



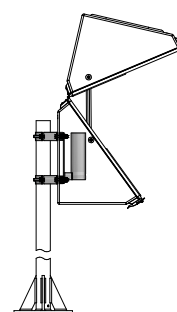
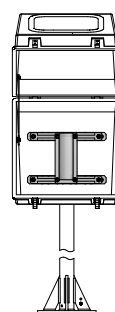
Without mounting brackets

### TYPICAL ASSEMBLY 015



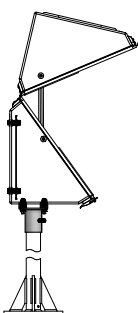
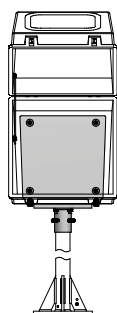
External bracket placed on the bottom side for 2" pipe stand  
Internal 2" vertical pillar placed on the bottom side

### TYPICAL ASSEMBLY 025



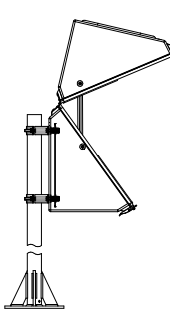
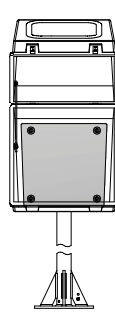
External bracket placed on the rear side for 2" pipe stand  
Internal 2" vertical pillar placed on the rear side

### TYPICAL ASSEMBLY 035



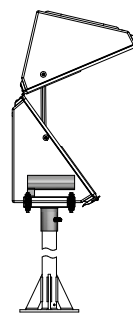
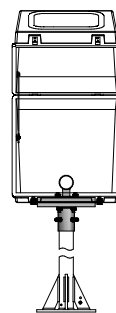
External bracket placed on the bottom side for 2" pipe stand  
Internal plate placed on the rear side

### TYPICAL ASSEMBLY 045



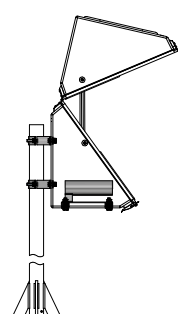
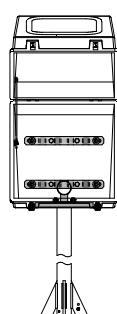
External bracket placed on the rear side for 2" pipe stand  
Internal plate placed on the rear side

### TYPICAL ASSEMBLY 055



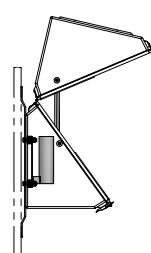
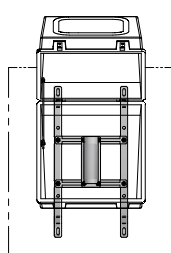
External bracket placed on the bottom side for 2" pipe stand  
Internal 2" horizontal pillar placed on the bottom side

### TYPICAL ASSEMBLY 065



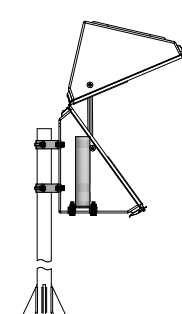
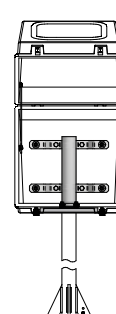
External bracket placed on the rear side for 2" pipe stand  
Internal 2" horizontal pillar placed on the bottom side

### TYPICAL ASSEMBLY 075



External bracket placed on the rear side for wall mounting  
Internal 2" vertical pillar placed on the rear side

### TYPICAL ASSEMBLY 085



External bracket placed on the rear side for 2" pipe stand  
Internal 2" vertical pillar placed on the bottom side

500N2 SERIE IEN

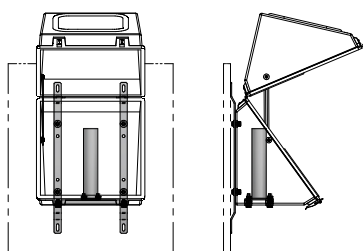
**bulk**

MADE IN ITALY

**GRP ENCLOSURES**

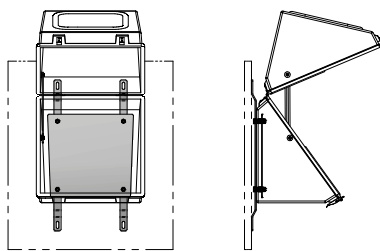
INSTRUMENT ENCLOSURE SERIE IEN

500N2 SERIE IEN

**TYPICAL ASSEMBLY 105**

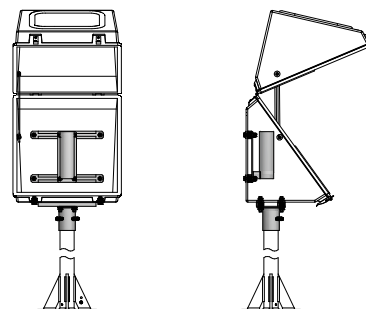
External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

**TYPICAL ASSEMBLY 115**

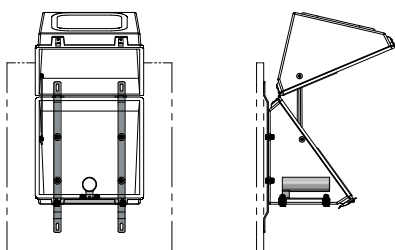
External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

**TYPICAL ASSEMBLY 125**

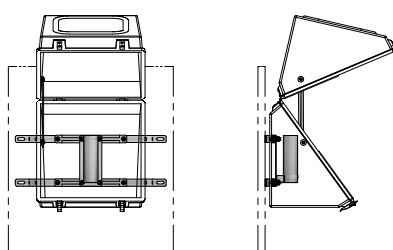
External bracket placed on the bottom side for 2" pipe stand

Internal 2" vertical pillar placed on the rear side

**TYPICAL ASSEMBLY 135**

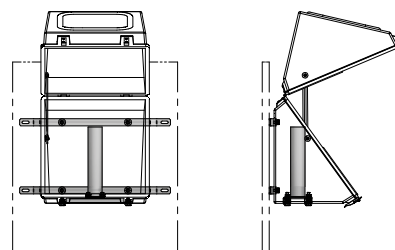
External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side

**TYPICAL ASSEMBLY 145**

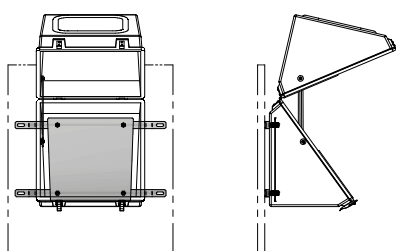
External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the rear side

**TYPICAL ASSEMBLY 155**

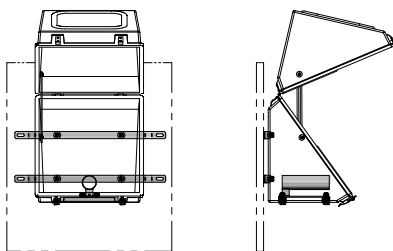
External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

**TYPICAL ASSEMBLY 165**

External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

**TYPICAL ASSEMBLY 175**

External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side