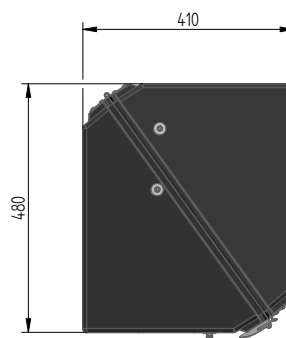


MODEL: 500N1

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)
- Minimum thickness 5 mm
- Hinges, clasps and lid propstay made in stainless steel
- 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°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

Conformity to hazardous area directive:

- 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:

- window in safety glass
- 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

**bulk**

MADE IN ITALY

GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

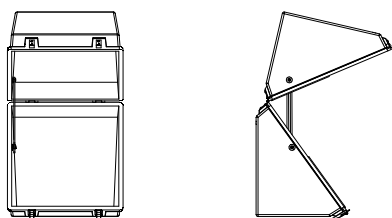
HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
50	0: EPDM (MIN. -40 °C)	N: GRP ANTISTATIC BLACK	1: WITHOUT 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	

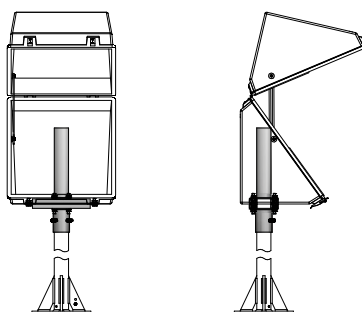
(*) Other colours available on request

EXAMPLE: 500N1S015AA

ENCLOSURE SERIE 50 NOT INSULATED WITHOUT WINDOW, MATERIAL GRP ANTISTATIC BLACK C/W EPDM GASKET, INTERNAL AND EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, ATEX CERTIFIED

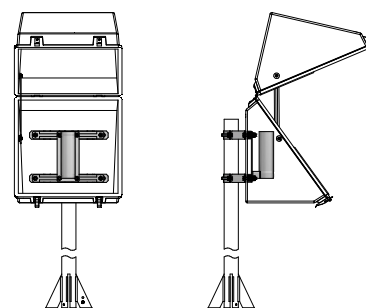
TYPICAL ASSEMBLY 000

Without mounting brackets

TYPICAL ASSEMBLY 015

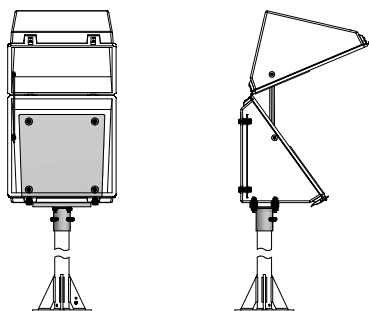
External bracket placed on the bottom side for 2" pipe stand

Internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 025

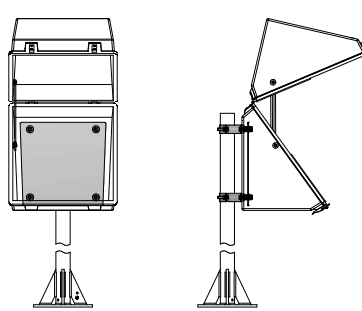
External bracket placed on the rear side for 2" pipe stand

Internal 2" vertical pillar placed on the rear side

TYPICAL ASSEMBLY 035

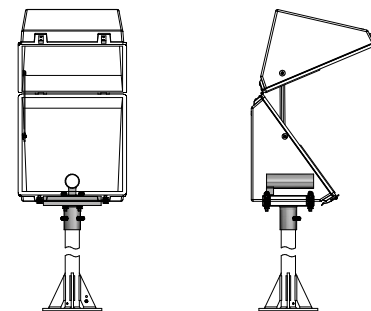
External bracket placed on the bottom side for 2" pipe stand

Internal plate placed on the rear side

TYPICAL ASSEMBLY 045

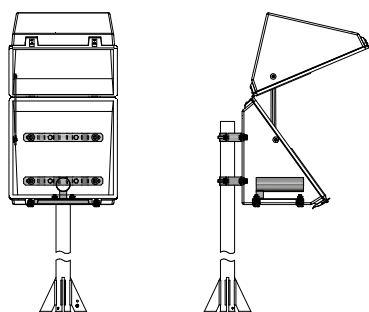
External bracket placed on the rear side for 2" pipe stand

Internal plate placed on the rear side

TYPICAL ASSEMBLY 055

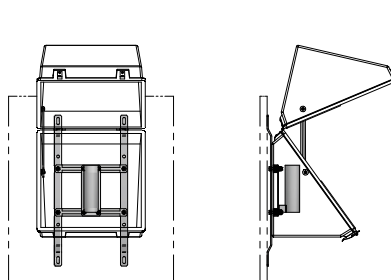
External bracket placed on the bottom side for 2" pipe stand

Internal 2" horizontal pillar placed on the bottom side

TYPICAL ASSEMBLY 065

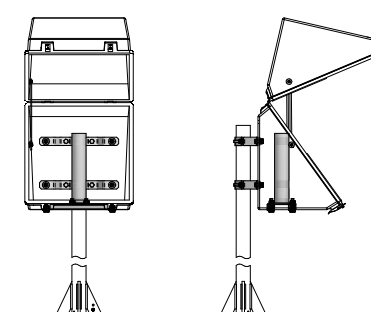
External bracket placed on the rear side for 2" pipe stand

Internal 2" horizontal pillar placed on the bottom side

TYPICAL ASSEMBLY 075

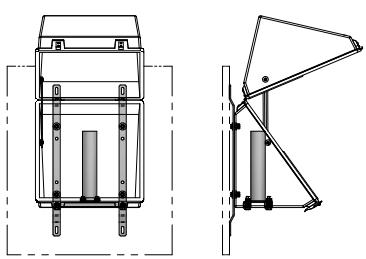
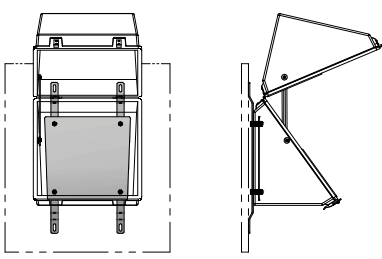
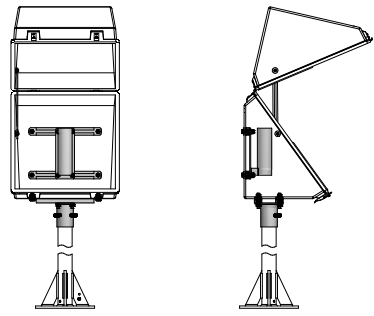
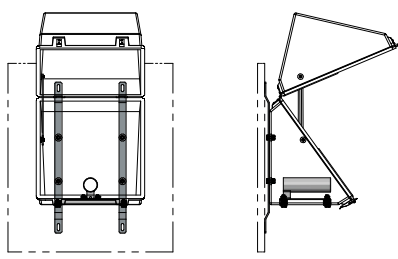
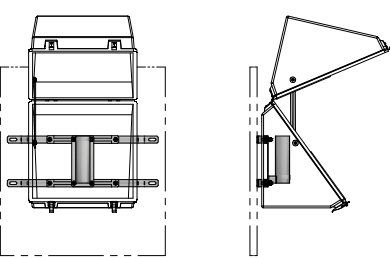
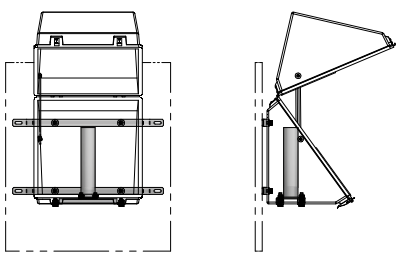
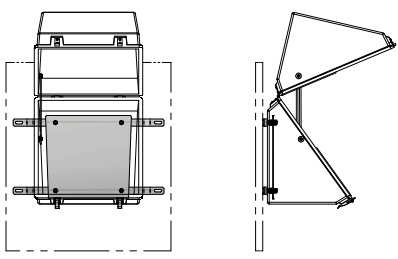
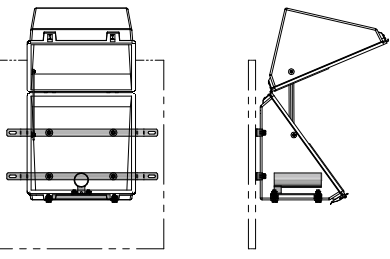
External bracket placed on the rear side for wall mounting

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

TYPICAL ASSEMBLY 105	TYPICAL ASSEMBLY 115	TYPICAL ASSEMBLY 125
		
External bracket placed on the rear side for wall mounting	External bracket placed on the rear side for wall mounting	External bracket placed on the bottom side for 2" pipe stand
Internal 2" vertical pillar placed on the bottom side	Internal plate placed on the rear side	Internal 2" vertical pillar placed on the rear side
TYPICAL ASSEMBLY 135	TYPICAL ASSEMBLY 145	TYPICAL ASSEMBLY 155
		
External bracket placed on the rear side for wall mounting	External bracket placed on the rear side for wall mounting	External bracket placed on the rear side for wall mounting
Internal 2" horizontal pillar placed on the bottom side	Internal 2" vertical pillar placed on the rear side	Internal 2" vertical pillar placed on the bottom side
TYPICAL ASSEMBLY 165	TYPICAL ASSEMBLY 175	
		
External bracket placed on the rear side for wall mounting	External bracket placed on the rear side for wall mounting	
Internal plate placed on the rear side	Internal 2" horizontal pillar placed on the bottom side	