

bulk

INSTRUMENT BULK MATERIAL

GRP ENCLOSURES

 MADE IN ITALY

THE SAME ATTITUDE FROM THE
BEGINNING SINCE 1999



Welcome to **BULK**

BULK srl has been serving the market since 1999, providing high quality products and solutions worldwide.

Our customers, located in more than 65 countries, include most of the biggest players in the Oil & Gas industries.

BULK srl, an ISO 9001 certified company, manufactures:

-  GRP INSTRUMENT ENCLOSURES
-  GRP INSTRUMENT SUNSHADES
-  INSTRUMENT MANIFOLDS
-  DOUBLE FERRULE COMPRESSION FITTINGS



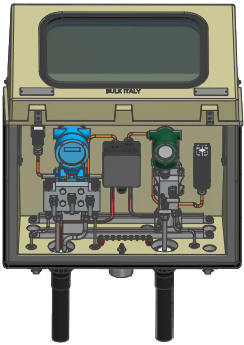
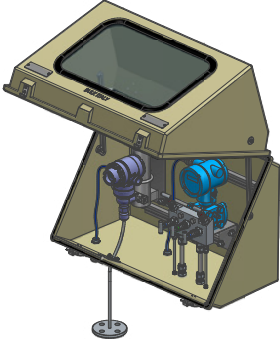
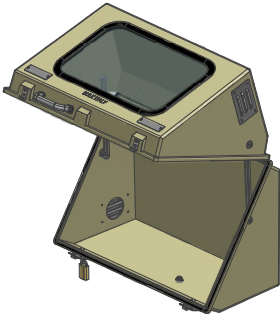
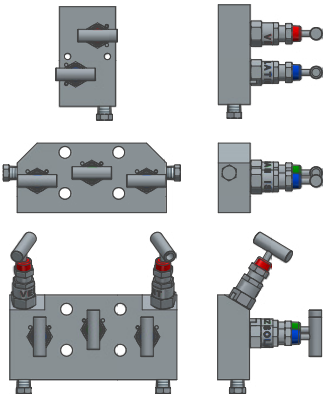


	Description	Model	Page
	<p>SUITABLE FOR SAFE AREA EXTERNAL DIMENSIONS: WIDTH: 460 mm DEPTH: 410 mm HEIGHT: 480 mm</p>	500G1	05
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	<p>SUITABLE FOR Ex AREA EXTERNAL DIMENSIONS: WIDTH: 460 mm DEPTH: 410 mm HEIGHT: 480 mm</p>	500N2	14

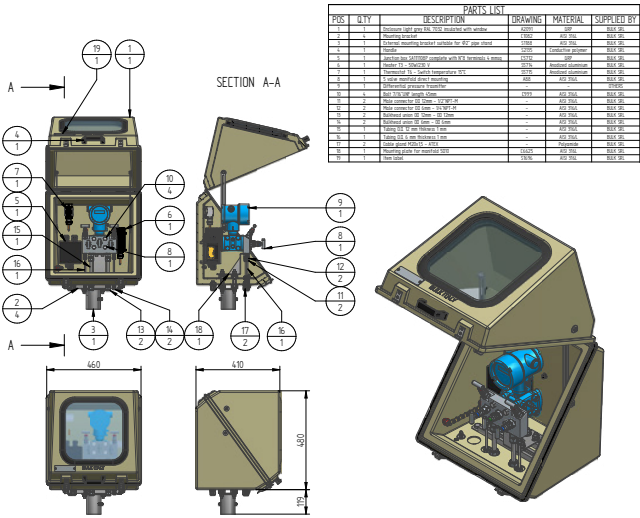



	Description	Model	Page
	<p>SUITABLE FOR SAFE AREA EXTERNAL DIMENSIONS: WIDTH: 710 mm DEPTH: 395 mm HEIGHT: 495 mm</p>	700G1	17
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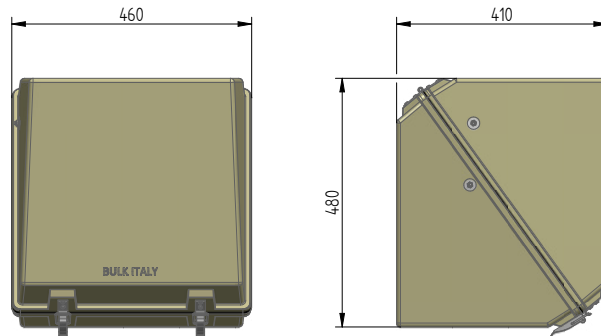
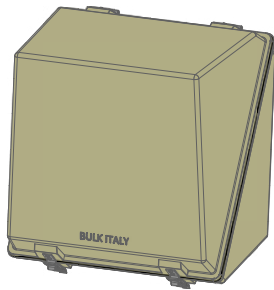
	Description	Page																																																																																																																																																																																														
 <table border="1"> <thead> <tr> <th colspan="5">PARTS LIST</th> </tr> <tr> <th>POS.</th> <th>QTY</th> <th>DESCRIPTION</th> <th>DRAWING</th> <th>SUPPLIED BY</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td><td>Enclosure shell with 60.1000 enclosure with antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>2</td><td>1</td><td>Antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>3</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>4</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>5</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>6</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>7</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>8</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>9</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>10</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>11</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>12</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>13</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>14</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>15</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>16</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>17</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>18</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>19</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>20</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>21</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>22</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>23</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>24</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>25</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>26</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>27</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>28</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>29</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> <tr><td>30</td><td>1</td><td>Antenna mounting bracket for antenna</td><td>10000</td><td>IEP</td><td>BULK Srl</td></tr> </tbody> </table>	PARTS LIST					POS.	QTY	DESCRIPTION	DRAWING	SUPPLIED BY	1	1	Enclosure shell with 60.1000 enclosure with antenna	10000	IEP	BULK Srl	2	1	Antenna	10000	IEP	BULK Srl	3	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	4	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	5	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	6	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	7	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	8	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	9	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	10	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	11	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	12	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	13	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	14	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	15	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	16	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	17	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	18	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	19	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	20	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	21	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	22	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	23	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	24	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	25	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	26	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	27	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	28	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	29	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	30	1	Antenna mounting bracket for antenna	10000	IEP	BULK Srl	SERVICE	42
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MODEL: 500GI



500GI SERIE IE

Technical characteristics

- Instrument protection enclosure made in hot pressed GRP (Glassfibre Reinforced Polyester)
- 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°C + 100°C
SILICONE gasket: -60°C + 100°C
- Light grey color similar to RAL 7032

Protection degree

- IP 66 construction
- IK10 construction in according to EN 62262:2002
- IK10 construction at -60°C and + 100°C in according to EN 62262:2002

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: 35% Oxygen Index
- Classification of fire behavior in according to DIN 4102-1:1998: CLASS B2

Export license:

- EAC CU TR 010/2011 compliance
- CE MARK 2014/35/UE

Options/accessories:

- antistatic material suitable for installation into Ex Area in according to ATEX or CU TR 012/2011: see model 500N1
- 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



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MADE IN ITALY

GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IE

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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
50	0: EPDM (MIN. -40 °C)	G: GRP LIGHT GREY RAL 7032	1: WITHOUT WINDOW	C: INSULATED	SELECT FROM BELOW	A: ZINC-COATED STEEL	C: CE
	1: SILICONE (MIN. -60°C)	(*)		S: NOT INSULATED		B: AISI 316	E: EAC CU TR 010/2011 COMPLIANCE
						C: NOT REQUIRED	F: NOT REQUIRED

(*) Other colours available on request

EXAMPLE: 500GI015AF

ENCLOSURE SERIE 50 NOT INSULATED WITHOUT WINDOW, MATERIAL GRP LIGHT GREY RAL 7032 C/W EPDM GASKET, INTERNAL AND EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, WITHOUT CERTIFICATE

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 015	TYPICAL ASSEMBLY 025
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Internal 2" vertical pillar placed on the bottom side	External bracket placed on the rear side for 2" pipe stand Internal 2" vertical pillar placed on the rear side
TYPICAL ASSEMBLY 035	TYPICAL ASSEMBLY 045	TYPICAL ASSEMBLY 055
External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side
TYPICAL ASSEMBLY 065	TYPICAL ASSEMBLY 075	TYPICAL ASSEMBLY 085
External bracket placed on the rear side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side	External bracket placed on the rear side for wall mounting Internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Internal 2" vertical pillar placed on the bottom side

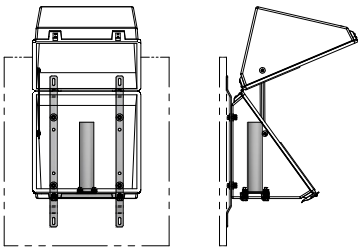
500GI SERIE IE



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500GI SERIE IE

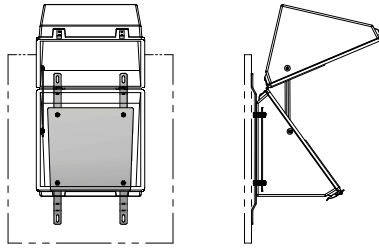
TYPICAL ASSEMBLY 105



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

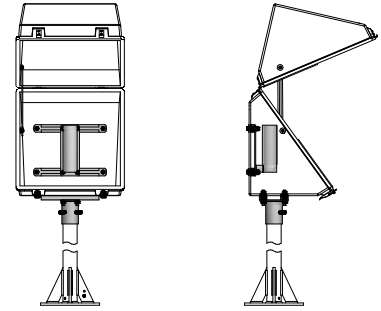
TYPICAL ASSEMBLY 115



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

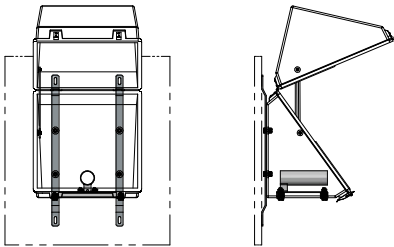
TYPICAL ASSEMBLY 125



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

Internal 2" vertical pillar placed on the rear side

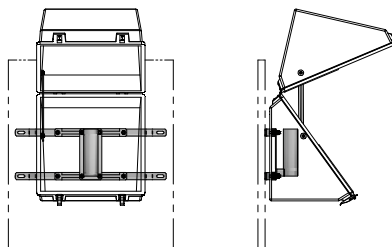
TYPICAL ASSEMBLY 135



External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side

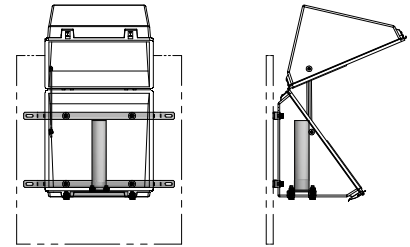
TYPICAL ASSEMBLY 145



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the rear side

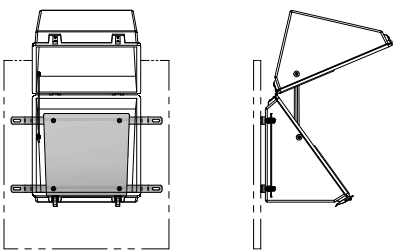
TYPICAL ASSEMBLY 155



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

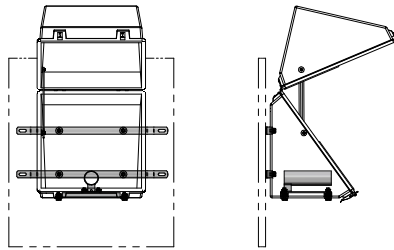
TYPICAL ASSEMBLY 165



External bracket placed on the rear side for wall mounting

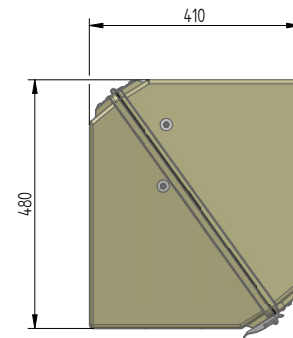
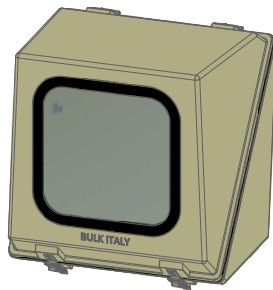
Internal plate placed on the rear side

TYPICAL ASSEMBLY 175



External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side

MODEL: 500G2


Technical characteristics

- Instrument protection enclosure made in hot pressed GRP (Glassfibre Reinforced Polyester)
- 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
- Window made in safety glass
- Gasket made in EPDM or Silicone
- Working temperature range:
EPDM gasket: -40°C + 100°C
SILICONE gasket: -60°C + 100°C
- Light grey color similar to RAL 7032

Protection degree

- IP 66 construction
- IK10 construction in according to EN 62262:2002
- IK10 construction at -60°C and + 100°C in according to EN 62262:2002

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: 35% Oxygen Index
- Classification of fire behavior in according to DIN 4102-1:1998: CLASS B2

Export license:

- EAC CU TR 010/2011 compliance
- CE MARK 2014/35/UE

Options/accessories:

- antistatic material in according to ATEX or CU TR 012/2011: see model 500N2
- 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



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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
50	0: EPDM (MIN. -40 °C)	G: GRP LIGHT GREY RAL 7032	2: WITH WINDOW	C: INSULATED	SELECT FROM BELOW	A: ZINC-COATED STEEL	C: CE
	1: SILICONE (MIN. -60°C)	(*)		S: NOT INSULATED		B: AISI 316	E: EAC CU TR 010/2011 COMPLIANCE
						C: NOT REQUIRED	F: NOT REQUIRED

(*) Other colours available on request

EXAMPLE: 500G2S015AF

ENCLOSURE SERIE 50 NOT INSULATED WITH WINDOW, MATERIAL GRP LIGHT GREY RAL 7032 C/W EPDM GASKET, INTERNAL AND EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, WITHOUT CERTIFICATE

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 015	TYPICAL ASSEMBLY 025
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Internal 2" vertical pillar placed on the bottom side	External bracket placed on the rear side for 2" pipe stand Internal 2" vertical pillar placed on the rear side
TYPICAL ASSEMBLY 035	TYPICAL ASSEMBLY 045	TYPICAL ASSEMBLY 055
External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side
TYPICAL ASSEMBLY 065	TYPICAL ASSEMBLY 075	TYPICAL ASSEMBLY 085
External bracket placed on the rear side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side	External bracket placed on the rear side for wall mounting Internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Internal 2" vertical pillar placed on the bottom side

500G2 SERIE IE



bulk

MADE IN ITALY

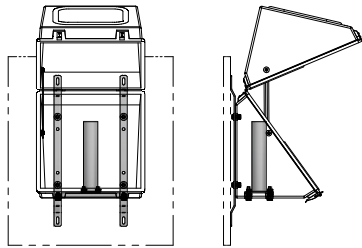
GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IE

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500G2 SERIE IE

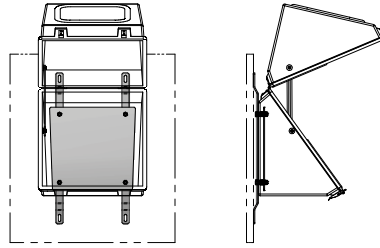
TYPICAL ASSEMBLY 105



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

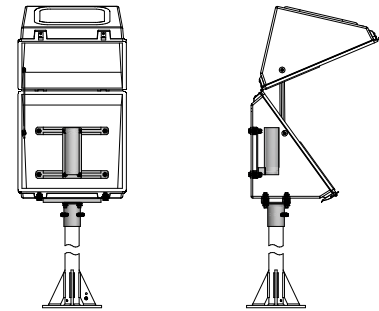
TYPICAL ASSEMBLY 115



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

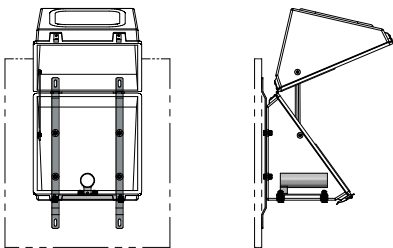
TYPICAL ASSEMBLY 125



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

Internal 2" vertical pillar placed on the rear side

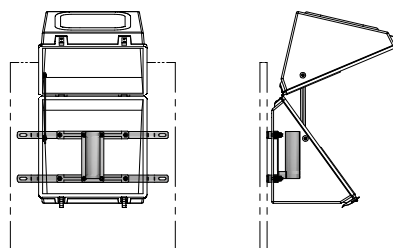
TYPICAL ASSEMBLY 135



External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side

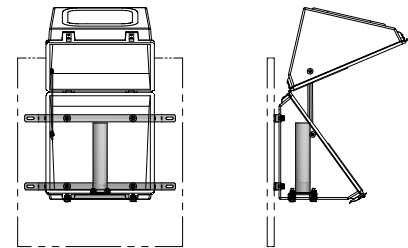
TYPICAL ASSEMBLY 145



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the rear side

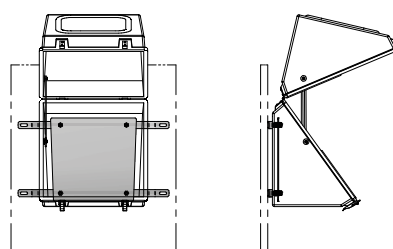
TYPICAL ASSEMBLY 155



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

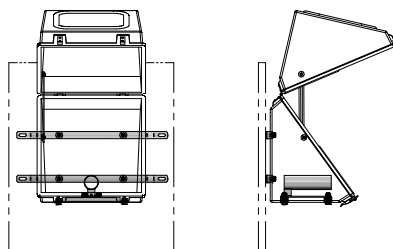
TYPICAL ASSEMBLY 165



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

**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: $-40^\circ\text{C} + 100^\circ\text{C}$
SILICONE gasket: $-60^\circ\text{C} + 100^\circ\text{C}$
- 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

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HOW TO ORDER:

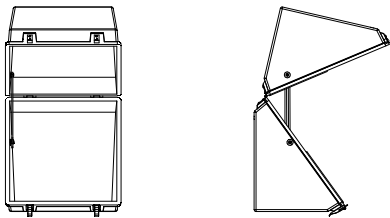
ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
50	0: EPDM (MIN. -40 °C)	N: GRP ANTISTATIC BLACK	1: WITHOUT WINDOW	C: INSULATED	SELECT FROM BELOW	A: ZINC-COATED STEEL	A: ATEX
	1: SILICONE (MIN. -60°C)	(*)		S: NOT INSULATED		B: AISI 316	D: EAC CU TR 012/2011 COMPLIANCE
						C: NOT REQUIRED	

(*) Other colours available on request

EXAMPLE: 500N1S015AA

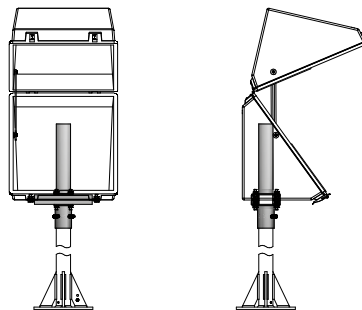
ENCLOSURE SERIE 50 NOT INSULATED WITHOUT WINDOW, MATERIAL GRP ANTISTATIC BLACK C/W EPDM GASKET, INTERNAL AND EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, ATEX CERTIFIED

TYPICAL ASSEMBLY 000



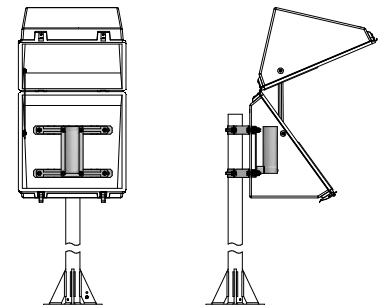
Without mounting brackets

TYPICAL ASSEMBLY 015



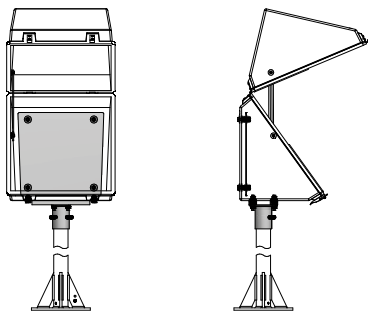
External bracket placed on the bottom side for 2" pipe stand
Internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 025



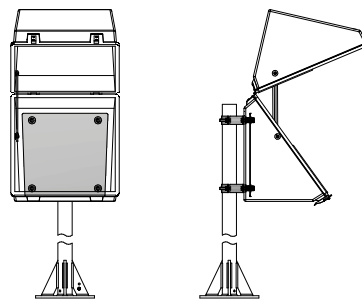
External bracket placed on the rear side for 2" pipe stand
Internal 2" vertical pillar placed on the rear side

TYPICAL ASSEMBLY 035



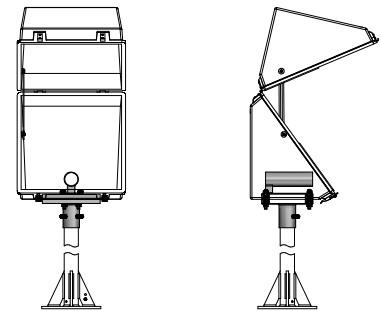
External bracket placed on the bottom side for 2" pipe stand
Internal plate placed on the rear side

TYPICAL ASSEMBLY 045



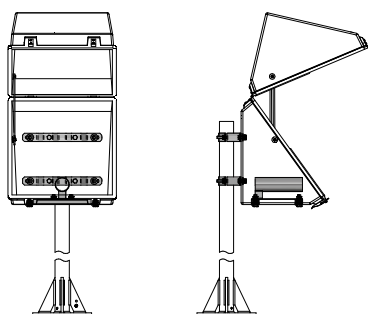
External bracket placed on the rear side for 2" pipe stand
Internal plate placed on the rear side

TYPICAL ASSEMBLY 055



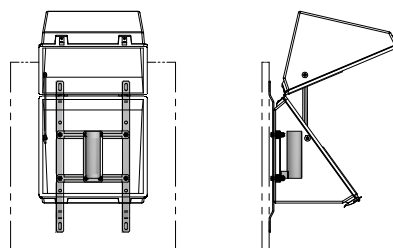
External bracket placed on the bottom side for 2" pipe stand
Internal 2" horizontal pillar placed on the bottom side

TYPICAL ASSEMBLY 065



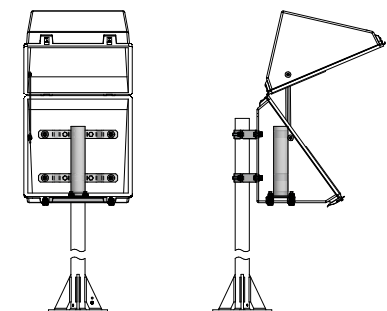
External bracket placed on the rear side for 2" pipe stand
Internal 2" horizontal pillar placed on the bottom side

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

500N1 SERIE IEN

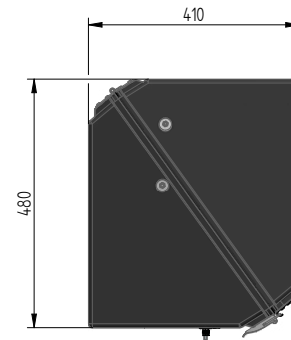


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500N1 SERIE IEN

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

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: $-40^\circ\text{C} + 100^\circ\text{C}$
 SILICONE gasket: $-60^\circ\text{C} + 100^\circ\text{C}$
- 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

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



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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	TYPICAL ASSEMBLY 015	TYPICAL ASSEMBLY 025
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Internal 2" vertical pillar placed on the bottom side	External bracket placed on the rear side for 2" pipe stand Internal 2" vertical pillar placed on the rear side
TYPICAL ASSEMBLY 035	TYPICAL ASSEMBLY 045	TYPICAL ASSEMBLY 055
External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side
TYPICAL ASSEMBLY 065	TYPICAL ASSEMBLY 075	TYPICAL ASSEMBLY 085
External bracket placed on the rear side for 2" pipe stand Internal 2" horizontal pillar placed on the bottom side	External bracket placed on the rear side for wall mounting Internal 2" vertical pillar placed on the rear side	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

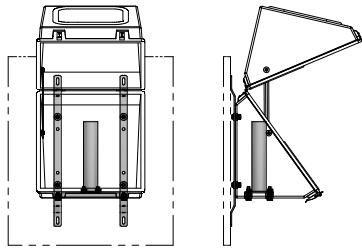
GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

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500N2 SERIE IEN

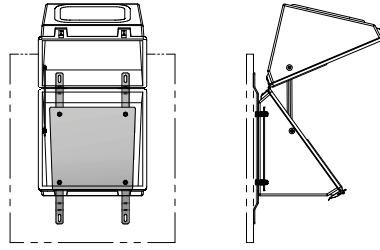
TYPICAL ASSEMBLY 105



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

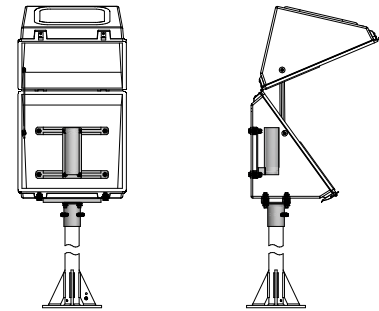
TYPICAL ASSEMBLY 115



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

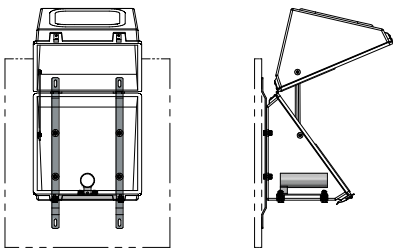
TYPICAL ASSEMBLY 125



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

Internal 2" vertical pillar placed on the rear side

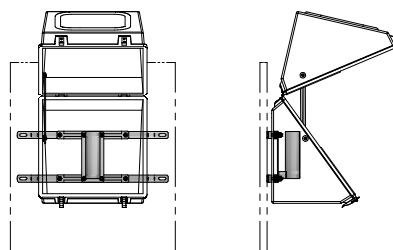
TYPICAL ASSEMBLY 135



External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side

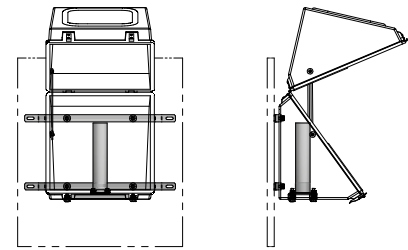
TYPICAL ASSEMBLY 145



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the rear side

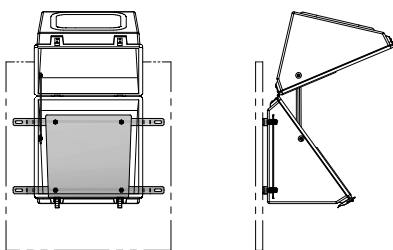
TYPICAL ASSEMBLY 155



External bracket placed on the rear side for wall mounting

Internal 2" vertical pillar placed on the bottom side

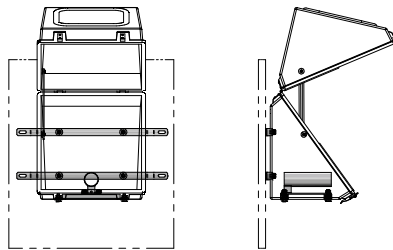
TYPICAL ASSEMBLY 165



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

TYPICAL ASSEMBLY 175

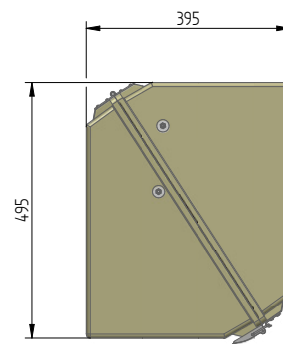
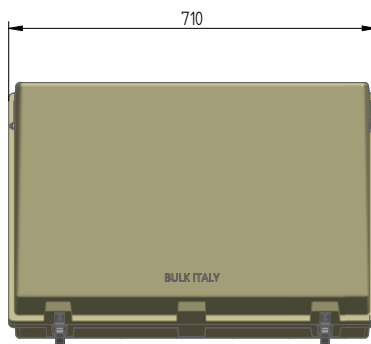
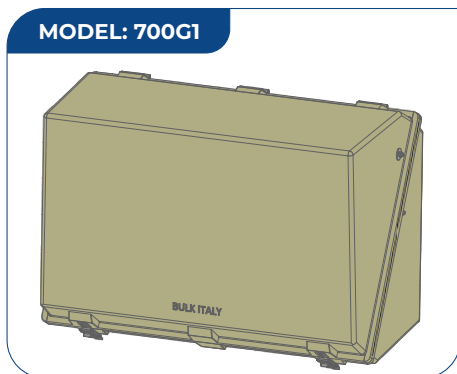


External bracket placed on the rear side for wall mounting

Internal 2" horizontal pillar placed on the bottom side



MODEL: 700GI



Technical characteristics

- Instrument protection enclosure made in hot pressed GRP (Glassfibre Reinforced Polyester)
- External dimension in mm:
710 (width) x 395 (depth) x 495 (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°C + 100°C
SILICONE gasket: -60°C + 100°C
- Light grey color similar to RAL 7032

Protection degree

- IP 66 construction
- IK10 construction in according to EN 62262:2002
- IK10 construction at -60°C and + 100°C in according to EN 62262:2002

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: 35% Oxygen Index
- Classification of fire behavior in according to DIN 4102-1:1998: CLASS B2

Conformity to hazardous area directive:

- EAC CU TR 010/2011 compliance
- CE MARK 2014/35/UE

Options/accessories:

- antistatic material suitable for installation into Ex Area in according to ATEX or CU TR 012/2011: see model 700N1
- 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 IE

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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
70	0: EPDM (MIN. -40 °C)	G: GRP LIGHT GREY RAL 7032	1: WITHOUT WINDOW	C: INSULATED	SELECT FROM BELOW	A: ZINC-COATED STEEL	C: CE
	1: SILICONE (MIN. -60°C)	(*)		S: NOT INSULATED		B: AISI 316	E: EAC CU TR 010/2011 COMPLIANCE
						C: NOT REQUIRED	F: NOT REQUIRED

(*) Other colours available on request

EXAMPLE: 700GI017AF

ENCLOSURE SERIE 70 NOT INSULATED WITHOUT WINDOW, MATERIAL GRP LIGHT GREY RAL 7032 C/W EPDM GASKET, DOUBLE INTERNAL AND SINGLE EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, WITHOUT CERTIFICATE

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 017	TYPICAL ASSEMBLY 027
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	External bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side
TYPICAL ASSEMBLY 037	TYPICAL ASSEMBLY 047	TYPICAL ASSEMBLY 057
External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Triple internal 2" vertical pillar placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side
TYPICAL ASSEMBLY 067	TYPICAL ASSEMBLY 077	TYPICAL ASSEMBLY 087
External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	Double external bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	Double external bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side



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700GI SERIE IE

TYPICAL ASSEMBLY 097	TYPICAL ASSEMBLY 107	TYPICAL ASSEMBLY 117
<p>Double external bracket placed on the bottom side for 2" pipe stand</p> <p>Internal plate placed on the rear side</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p> <p>Double internal 2" vertical pillar placed on the rear side</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p> <p>Triple internal 2" vertical pillar placed on the rear side</p>
TYPICAL ASSEMBLY 127	TYPICAL ASSEMBLY 137	TYPICAL ASSEMBLY 147
<p>External bracket placed on rear side for 2" pipe stand</p> <p>Internal plate placed on the rear side</p>	<p>External bracket placed on the bottom side for 2" pipe stand</p> <p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>External bracket placed on the bottom side for 2" pipe stand</p> <p>Triple internal 2" horizontal pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 157	TYPICAL ASSEMBLY 167	TYPICAL ASSEMBLY 177
<p>External bracket placed on the rear side for 2" pipe stand</p> <p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>External bracket placed on the rear side for 2" pipe stand</p> <p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>External bracket placed on the rear side for wall mounting</p> <p>Double internal 2" vertical pillar placed on the rear side</p>
TYPICAL ASSEMBLY 187	TYPICAL ASSEMBLY 197	TYPICAL ASSEMBLY 207
<p>External bracket placed on the rear side for wall mounting</p> <p>Triple internal 2" vertical pillar placed on the rear side</p>	<p>External bracket placed on the rear side for 2" pipe stand</p> <p>Double internal 2" vertical pillar placed on the bottom side</p>	<p>External bracket placed on the rear side for 2" pipe stand</p> <p>Triple internal 2" vertical pillar placed on the bottom side</p>



bulk

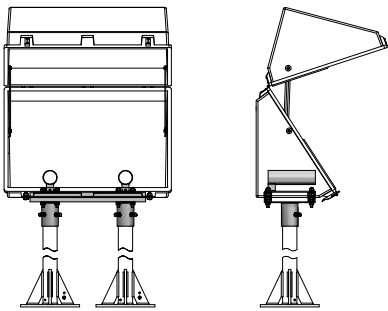
MADE IN ITALY

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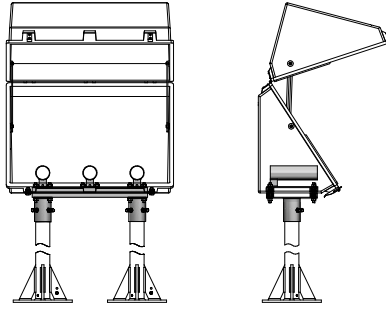
TYPICAL ASSEMBLY 217



Double external bracket placed on the bottom side for 2" pipe stand

Double internal 2" horizontal pillar placed on the bottom side

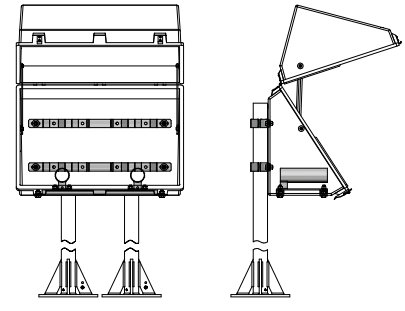
TYPICAL ASSEMBLY 227



Double external bracket placed on the bottom side for 2" pipe stand

Triple internal 2" horizontal pillar placed on the bottom side

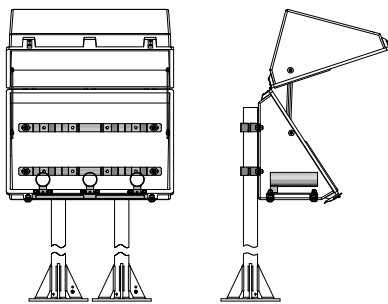
TYPICAL ASSEMBLY 237



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

Double internal 2" horizontal pillar placed on the bottom side

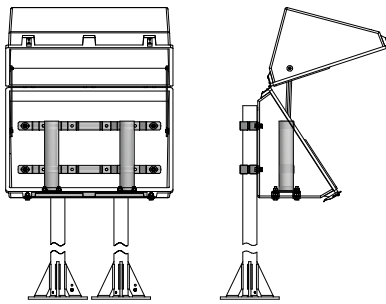
TYPICAL ASSEMBLY 247



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" horizontal pillar placed on the bottom side

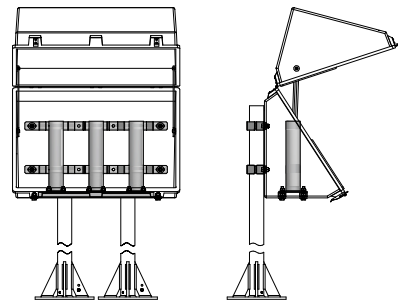
TYPICAL ASSEMBLY 257



Double external bracket placed on the rear side for 2" pipe stand

Double internal 2" vertical pillar placed on the bottom side

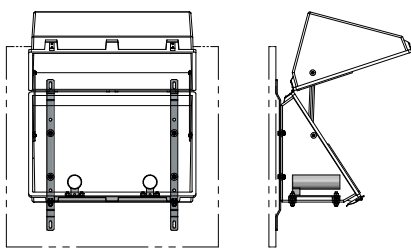
TYPICAL ASSEMBLY 267



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" vertical pillar placed on the bottom side

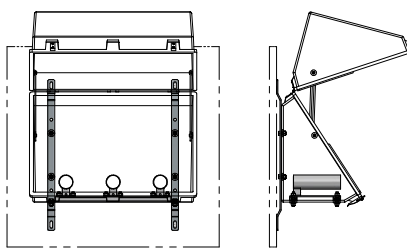
TYPICAL ASSEMBLY 277



External bracket placed on the rear side for wall mounting

Double internal 2" horizontal pillar placed on the bottom side

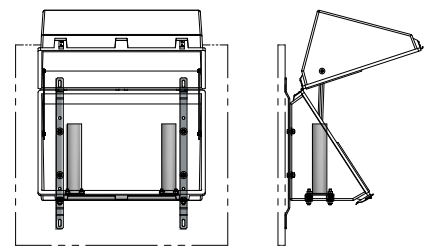
TYPICAL ASSEMBLY 287



External bracket placed on the rear side for wall mounting

Triple internal 2" horizontal pillar placed on the bottom side

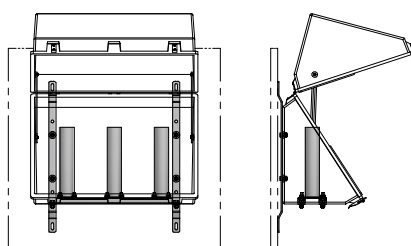
TYPICAL ASSEMBLY 297



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the bottom side

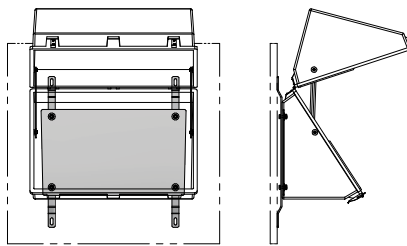
TYPICAL ASSEMBLY 307



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the bottom side

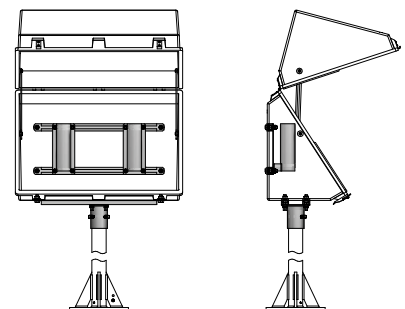
TYPICAL ASSEMBLY 317



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

TYPICAL ASSEMBLY 327



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

Double internal 2" vertical pillar placed on the rear side

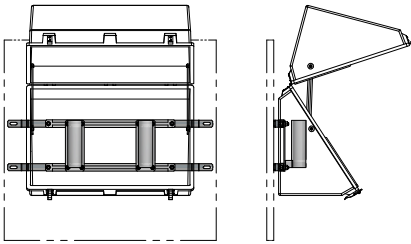
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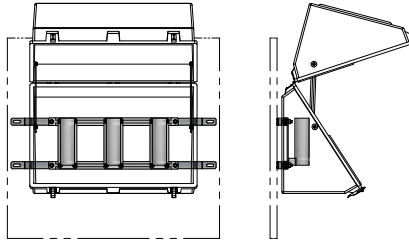
TYPICAL ASSEMBLY 337



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the rear side

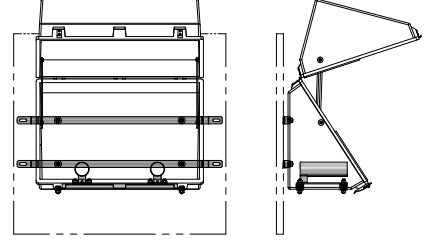
TYPICAL ASSEMBLY 347



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the rear side

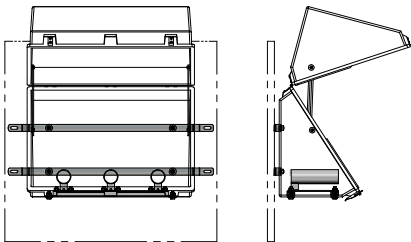
TYPICAL ASSEMBLY 357



External bracket placed on the rear side for wall mounting

Double internal 2" horizontal pillar placed on the bottom side

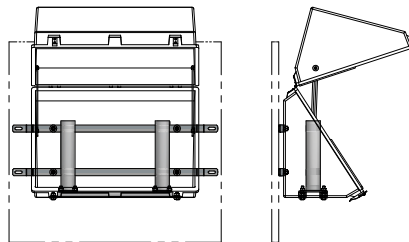
TYPICAL ASSEMBLY 367



External bracket placed on the rear side for wall mounting

Triple internal 2" horizontal pillar placed on the bottom side

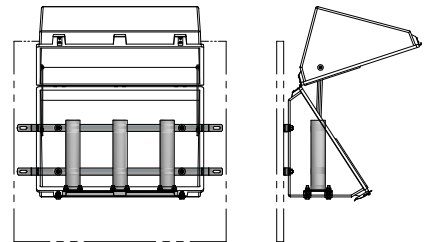
TYPICAL ASSEMBLY 377



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the bottom side

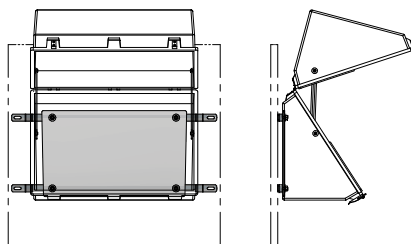
TYPICAL ASSEMBLY 387



External bracket placed on the rear side for wall mounting

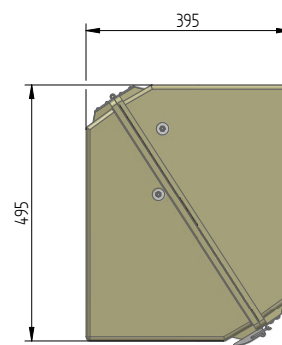
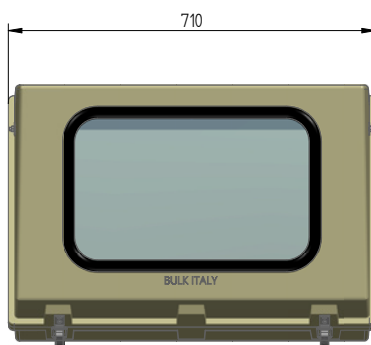
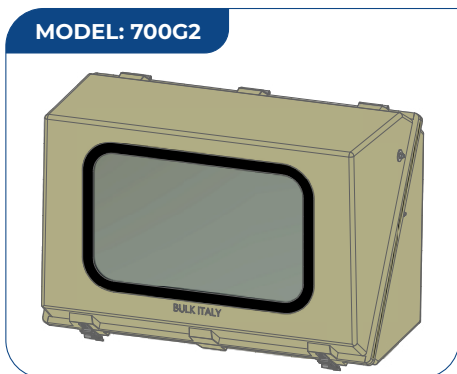
Triple internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 397



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

MODEL: 700G2


Technical characteristics

- Instrument protection enclosure made in hot pressed GRP (Glassfibre Reinforced Polyester)
- External dimension in mm: 710 (width) x 395 (depth) x 495 (height)
- Minimum 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°C + 100°C SILICONE gasket: -60°C + 100°C
- Light grey color similar to RAL 7032

Protection degree

- IP 66 construction
- IK10 construction in according to EN 62262:2002
- IK10 construction at -60°C and + 100°C in according to EN 62262:2002

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: 35% Oxygen Index
- Classification of fire behavior in according to DIN 4102-1:1998: CLASS B2

Conformity to hazardous area directive:

- EAC CU TR 010/2011 compliance
- CE MARK 2014/35/UE

Options/accessories:

- antistatic material suitable for installation into Ex Area in according to ATEX or CU TR 012/2011: see model 700N2
- 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



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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
70	0: EPDM (MIN. -40 °C)	G: GRP LIGHT GREY RAL 7032	2: WITH WINDOW	C: INSULATED	SELECT FROM BELOW	A: ZINC-COATED STEEL	C: CE
	1: SILICONE (MIN. -60°C)	(*)		S: NOT INSULATED		B: AISI 316	E: EAC CU TR 010/2011 COMPLIANCE
						C: NOT REQUIRED	F: NOT REQUIRED

(*) Other colours available on request

EXAMPLE: 700G2S017AF

ENCLOSURE SERIE 70 NOT INSULATED WITHOUT WINDOW, MATERIAL GRP LIGHT GREY RAL 7032 C/W EPDM GASKET, DOUBLE INTERNAL AND SINGLE EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, WITHOUT CERTIFICATE

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 017	TYPICAL ASSEMBLY 027
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	External bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side
TYPICAL ASSEMBLY 037	TYPICAL ASSEMBLY 047	TYPICAL ASSEMBLY 057
External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Triple internal 2" vertical pillar placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side
TYPICAL ASSEMBLY 067	TYPICAL ASSEMBLY 077	TYPICAL ASSEMBLY 087
External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	Double external bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	Double external bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side

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bulk

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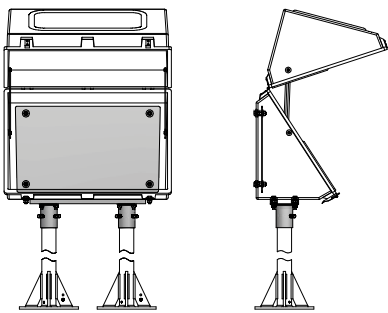
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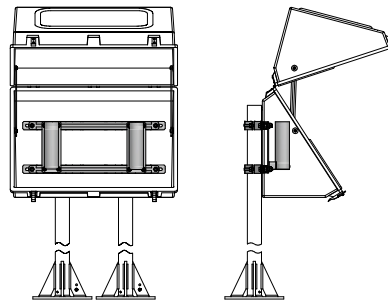
TYPICAL ASSEMBLY 097



Double external bracket placed on the bottom side for 2" pipe stand

Internal plate placed on the rear side

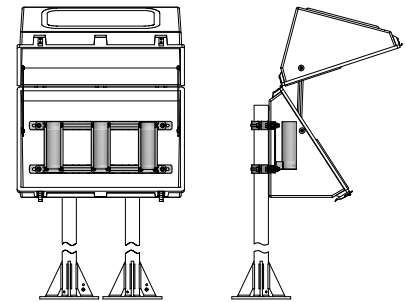
TYPICAL ASSEMBLY 107



Double external bracket placed on the rear side for 2" pipe stand

Double internal 2" vertical pillar placed on the rear side

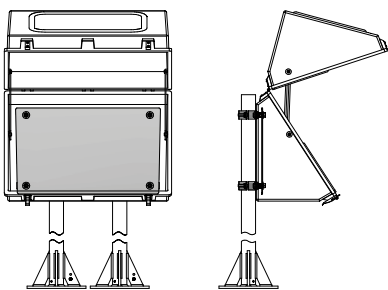
TYPICAL ASSEMBLY 117



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" vertical pillar placed on the rear side

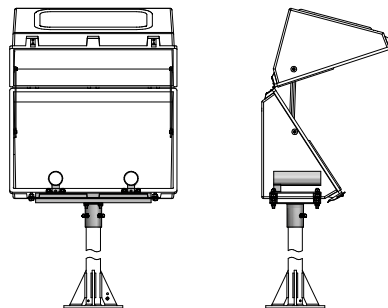
TYPICAL ASSEMBLY 127



External bracket placed on rear side for 2" pipe stand

Internal plate placed on the rear side

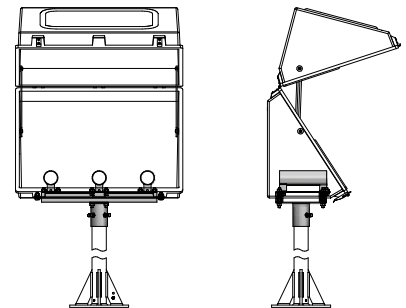
TYPICAL ASSEMBLY 137



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

Double internal 2" horizontal pillar placed on the bottom side

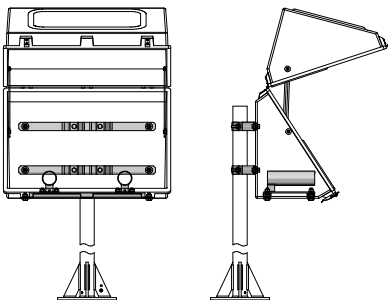
TYPICAL ASSEMBLY 147



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

Triple internal 2" horizontal pillar placed on the bottom side

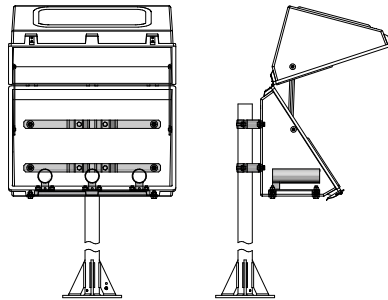
TYPICAL ASSEMBLY 157



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

Double internal 2" horizontal pillar placed on the bottom side

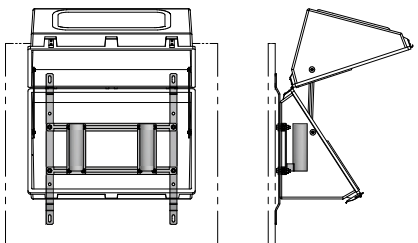
TYPICAL ASSEMBLY 167



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

Triple internal 2" horizontal pillar placed on the bottom side

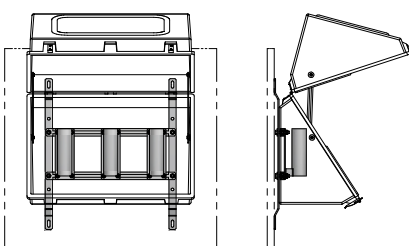
TYPICAL ASSEMBLY 177



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the rear side

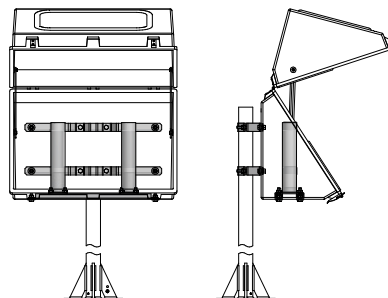
TYPICAL ASSEMBLY 187



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the rear side

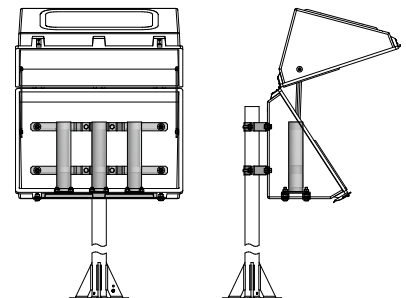
TYPICAL ASSEMBLY 197



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

Double internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 207



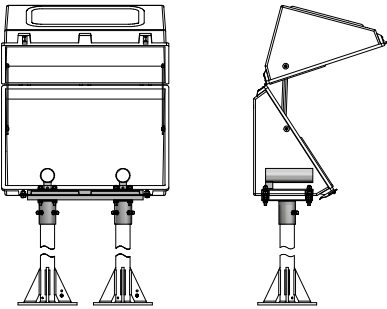
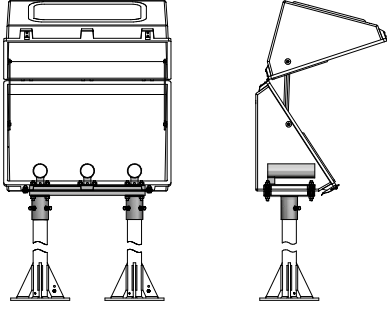
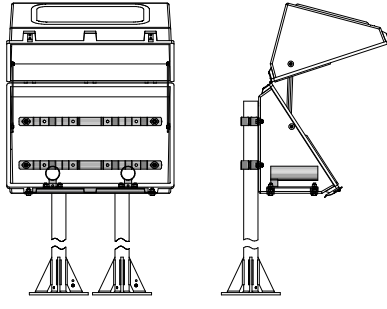
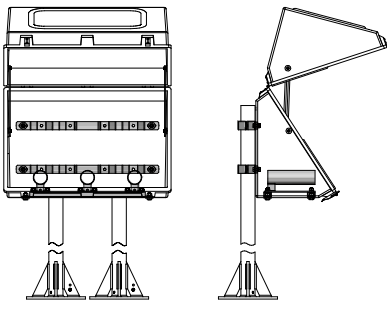
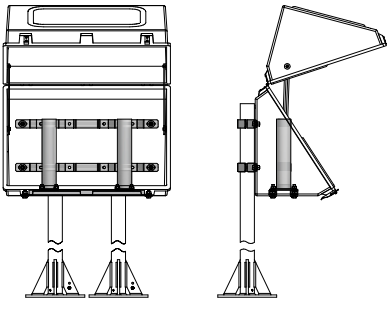
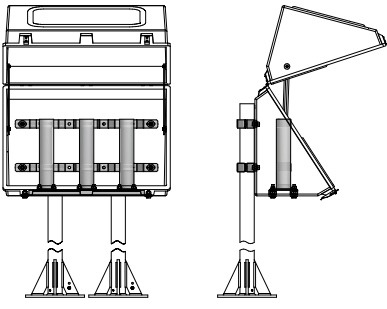
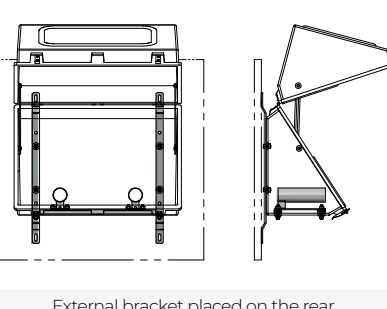
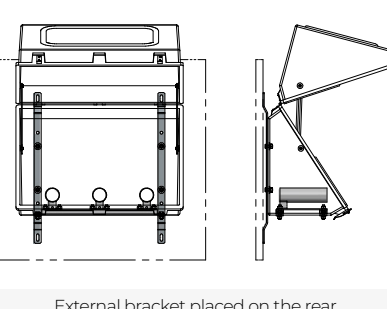
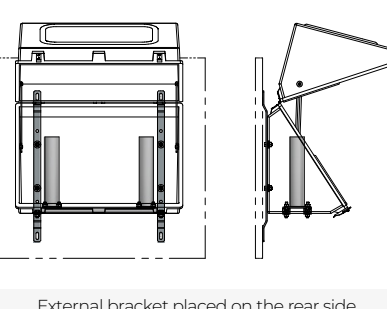
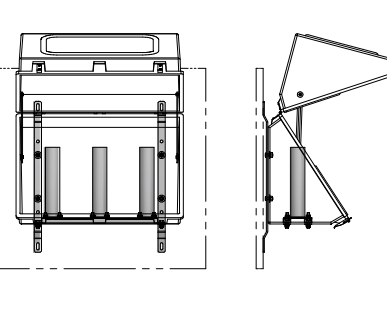
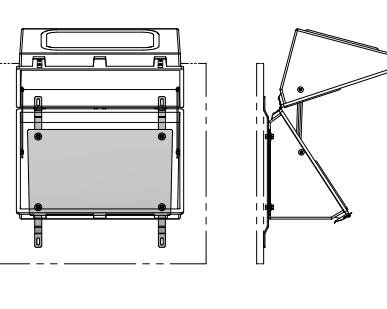
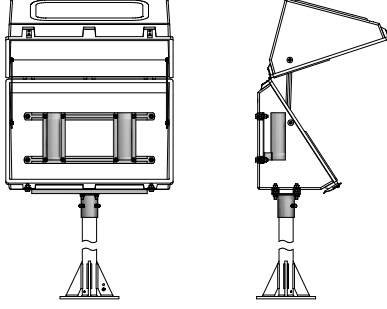
External bracket placed on the rear side for 2" pipe stand

Triple internal 2" vertical pillar placed on the bottom side



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<p>TYPICAL ASSEMBLY 217</p>  <p>Double external bracket placed on the bottom side for 2" pipe stand</p> <p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 227</p>  <p>Double external bracket placed on the bottom side for 2" pipe stand</p> <p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 237</p>  <p>External bracket placed on the rear side for 2" pipe stand</p> <p>Double internal 2" horizontal pillar placed on the bottom side</p>
<p>TYPICAL ASSEMBLY 247</p>  <p>Double external bracket placed on the rear side for 2" pipe stand</p> <p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 257</p>  <p>Double external bracket placed on the rear side for 2" pipe stand</p> <p>Double internal 2" vertical pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 267</p>  <p>Double external bracket placed on the rear side for 2" pipe stand</p> <p>Triple internal 2" vertical pillar placed on the bottom side</p>
<p>TYPICAL ASSEMBLY 277</p>  <p>External bracket placed on the rear side for wall mounting</p> <p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 287</p>  <p>External bracket placed on the rear side for wall mounting</p> <p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 297</p>  <p>External bracket placed on the rear side for wall mounting</p> <p>Double internal 2" vertical pillar placed on the bottom side</p>
<p>TYPICAL ASSEMBLY 307</p>  <p>External bracket placed on the rear side for wall mounting</p> <p>Triple internal 2" vertical pillar placed on the bottom side</p>	<p>TYPICAL ASSEMBLY 317</p>  <p>External bracket placed on the rear side for wall mounting</p> <p>Internal plate placed on the rear side</p>	<p>TYPICAL ASSEMBLY 327</p>  <p>External bracket placed on the bottom side for 2" pipe stand</p> <p>Double internal 2" vertical pillar placed on the rear side</p>



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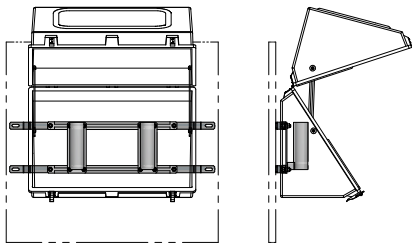
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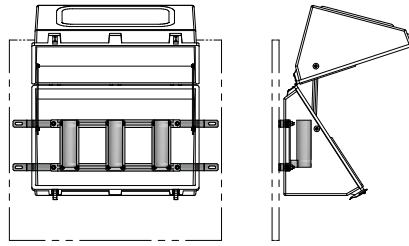
TYPICAL ASSEMBLY 337



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the rear side

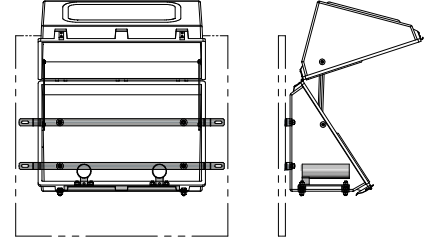
TYPICAL ASSEMBLY 347



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the rear side

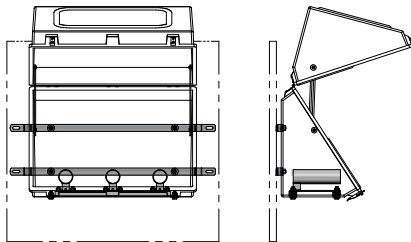
TYPICAL ASSEMBLY 357



External bracket placed on the rear side for wall mounting

Double internal 2" horizontal pillar placed on the bottom side

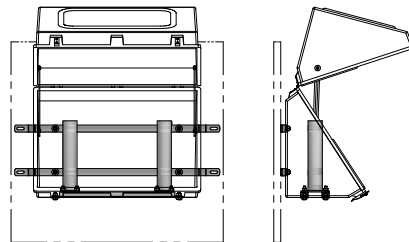
TYPICAL ASSEMBLY 367



External bracket placed on the rear side for wall mounting

Triple internal 2" horizontal pillar placed on the bottom side

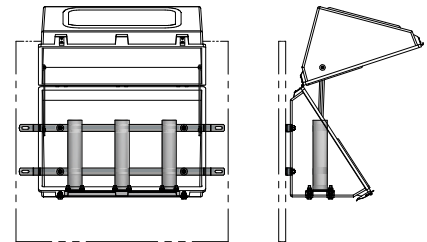
TYPICAL ASSEMBLY 377



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the bottom side

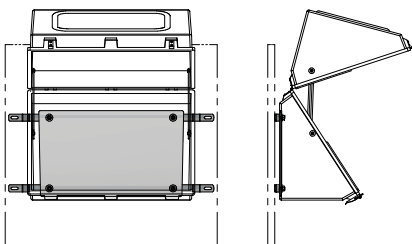
TYPICAL ASSEMBLY 387



External bracket placed on the rear side for wall mounting

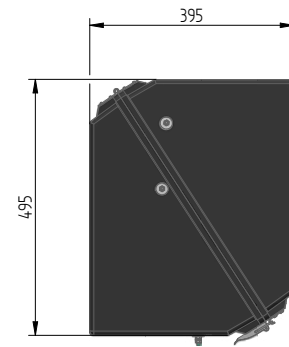
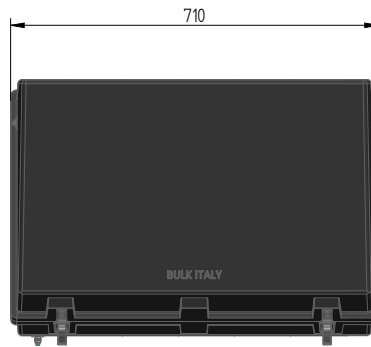
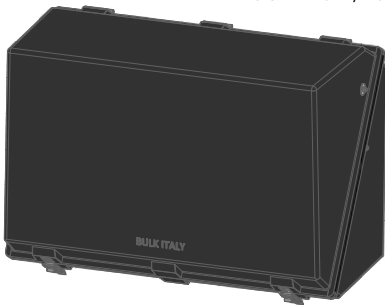
Triple internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 397



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

**MODEL: 700N1**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:
710 (width) x 395 (depth) x 495 (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: $-40^\circ\text{C} + 100^\circ\text{C}$
SILICONE gasket: $-60^\circ\text{C} + 100^\circ\text{C}$
- 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



bulk

MADE IN ITALY

GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
70	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: 700N1S017AA

ENCLOSURE SERIE 70 NOT INSULATED WITH WINDOW, MATERIAL GRP ANTISTATIC BLACK C/W EPDM GASKET, DOUBLE INTERNAL AND SINGLE EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, ATEX CERTIFIED

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 017	TYPICAL ASSEMBLY 027
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	External bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side
TYPICAL ASSEMBLY 037	TYPICAL ASSEMBLY 047	TYPICAL ASSEMBLY 057
External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Triple internal 2" vertical pillar placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side
TYPICAL ASSEMBLY 067	TYPICAL ASSEMBLY 077	TYPICAL ASSEMBLY 087
External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	Double external bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	Double external bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side

700N1 SERIE IEN



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700N1 SERIE IEN

TYPICAL ASSEMBLY 097	TYPICAL ASSEMBLY 107	TYPICAL ASSEMBLY 117
<p>Double external bracket placed on the bottom side for 2" pipe stand</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p>
<p>Internal plate placed on the rear side</p>	<p>Double internal 2" vertical pillar placed on the rear side</p>	<p>Triple internal 2" vertical pillar placed on the rear side</p>
TYPICAL ASSEMBLY 127	TYPICAL ASSEMBLY 137	TYPICAL ASSEMBLY 147
<p>External bracket placed on rear side for 2" pipe stand</p>	<p>External bracket placed on the bottom side for 2" pipe stand</p>	<p>External bracket placed on the bottom side for 2" pipe stand</p>
<p>Internal plate placed on the rear side</p>	<p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>Triple internal 2" horizontal pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 157	TYPICAL ASSEMBLY 167	TYPICAL ASSEMBLY 177
<p>External bracket placed on the rear side for 2" pipe stand</p>	<p>External bracket placed on the rear side for 2" pipe stand</p>	<p>External bracket placed on the rear side for wall mounting</p>
<p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>Double internal 2" vertical pillar placed on the rear side</p>
TYPICAL ASSEMBLY 187	TYPICAL ASSEMBLY 197	TYPICAL ASSEMBLY 207
<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for 2" pipe stand</p>	<p>External bracket placed on the rear side for 2" pipe stand</p>
<p>Triple internal 2" vertical pillar placed on the rear side</p>	<p>Double internal 2" vertical pillar placed on the bottom side</p>	<p>Triple internal 2" vertical pillar placed on the bottom side</p>



bulk

MADE IN ITALY

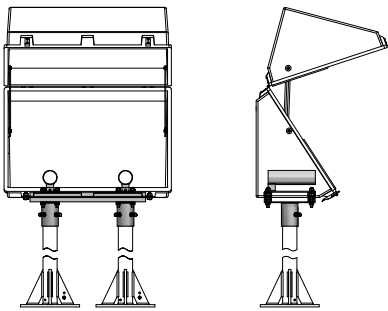
GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

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700NT SERIE IEN

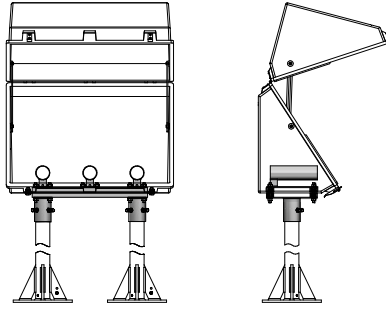
TYPICAL ASSEMBLY 217



Double external bracket placed on the bottom side for 2" pipe stand

Double internal 2" horizontal pillar placed on the bottom side

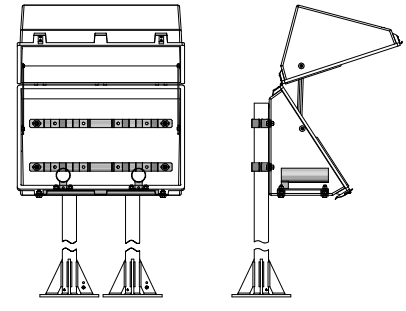
TYPICAL ASSEMBLY 227



Double external bracket placed on the bottom side for 2" pipe stand

Triple internal 2" horizontal pillar placed on the bottom side

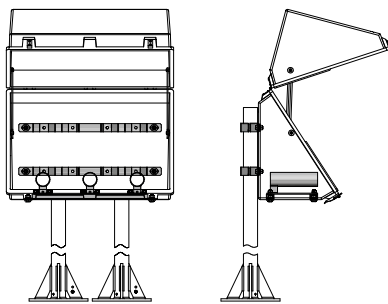
TYPICAL ASSEMBLY 237



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

Double internal 2" horizontal pillar placed on the bottom side

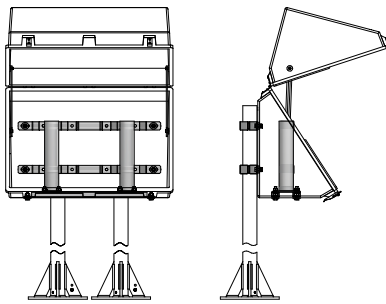
TYPICAL ASSEMBLY 247



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" horizontal pillar placed on the bottom side

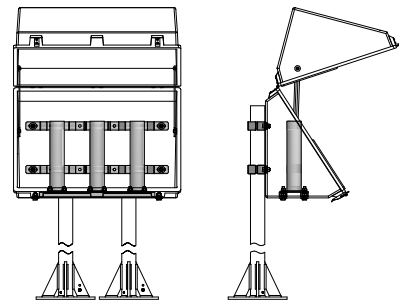
TYPICAL ASSEMBLY 257



Double external bracket placed on the rear side for 2" pipe stand

Double internal 2" vertical pillar placed on the bottom side

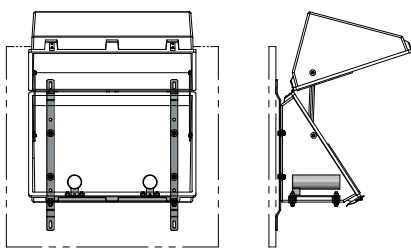
TYPICAL ASSEMBLY 267



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" vertical pillar placed on the bottom side

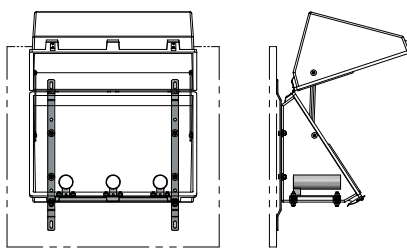
TYPICAL ASSEMBLY 277



External bracket placed on the rear side for wall mounting

Double internal 2" horizontal pillar placed on the bottom side

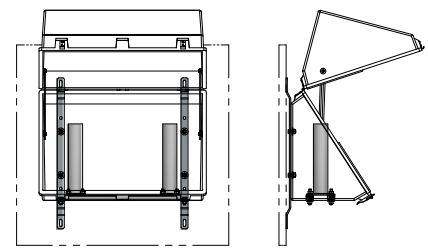
TYPICAL ASSEMBLY 287



External bracket placed on the rear side for wall mounting

Triple internal 2" horizontal pillar placed on the bottom side

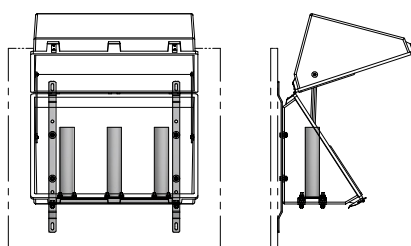
TYPICAL ASSEMBLY 297



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the bottom side

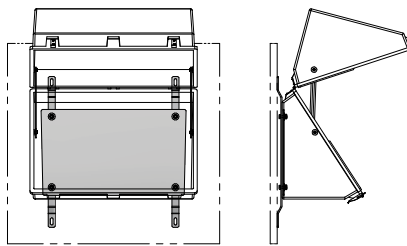
TYPICAL ASSEMBLY 307



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the bottom side

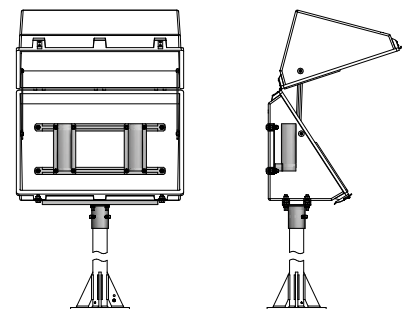
TYPICAL ASSEMBLY 317



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

TYPICAL ASSEMBLY 327



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

Double internal 2" vertical pillar placed on the rear side

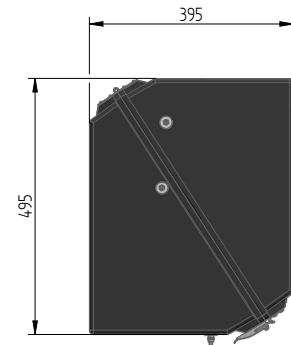
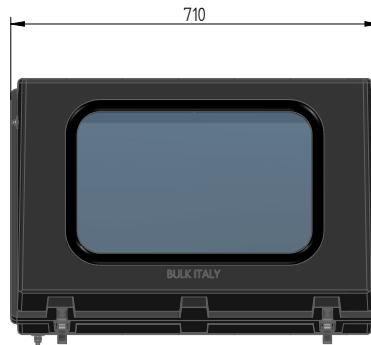
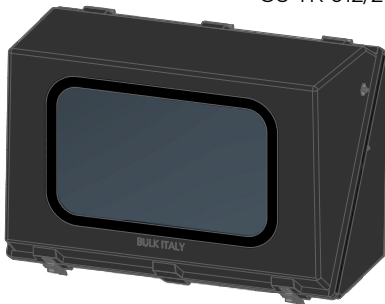


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700N1 SERIE IEN

TYPICAL ASSEMBLY 337	TYPICAL ASSEMBLY 347	TYPICAL ASSEMBLY 357
<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>
<p>Double internal 2" vertical pillar placed on the rear side</p>	<p>Triple internal 2" vertical pillar placed on the rear side</p>	<p>Double internal 2" horizontal pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 367	TYPICAL ASSEMBLY 377	TYPICAL ASSEMBLY 387
<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>
<p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>Double internal 2" vertical pillar placed on the bottom side</p>	<p>Triple internal 2" vertical pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 397		
<p>External bracket placed on the rear side for wall mounting</p>		
<p>Internal plate placed on the rear side</p>		

MODEL: 700N2

 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:
710 (width) x 395 (depth) x 495 (height)
- Minimum 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: $-40^\circ\text{C} + 100^\circ\text{C}$
SILICONE gasket: $-60^\circ\text{C} + 100^\circ\text{C}$
- 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:

- 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



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HOW TO ORDER:

ENCLOSURE SERIE	GASKET TYPE	MATERIAL	WINDOW	INSULATION	TYPICAL ASSEMBLY	MOUNTING BRACKET MATERIAL	CERTIFICATION
70	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: 700N2S017AA
 ENCLOSURE SERIE 70 NOT INSULATED WITH WINDOW, MATERIAL GRP ANTISTATIC BLACK C/W EPDM GASKET, DOUBLE INTERNAL AND SINGLE EXTERNAL ZINC-COATED STEEL MOUNTING PLATE FOR 2" PIPESTAND, ATEX CERTIFIED

TYPICAL ASSEMBLY 000	TYPICAL ASSEMBLY 017	TYPICAL ASSEMBLY 027
Without mounting brackets	External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	External bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side
TYPICAL ASSEMBLY 037	TYPICAL ASSEMBLY 047	TYPICAL ASSEMBLY 057
External bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the rear side	External bracket placed on the rear side for 2" pipe stand Triple internal 2" vertical pillar placed on the rear side	External bracket placed on the bottom side for 2" pipe stand Internal plate placed on the rear side
TYPICAL ASSEMBLY 067	TYPICAL ASSEMBLY 077	TYPICAL ASSEMBLY 087
External bracket placed on the rear side for 2" pipe stand Internal plate placed on the rear side	Double external bracket placed on the bottom side for 2" pipe stand Double internal 2" vertical pillar placed on the bottom side	Double external bracket placed on the bottom side for 2" pipe stand Triple internal 2" vertical pillar placed on the bottom side

700N2 SERIE IEN



bulk

MADE IN ITALY

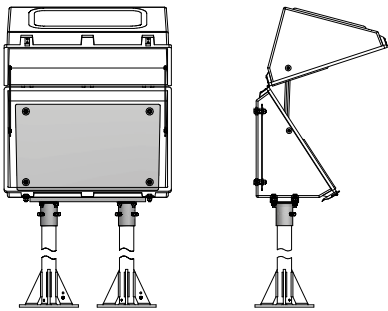
GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

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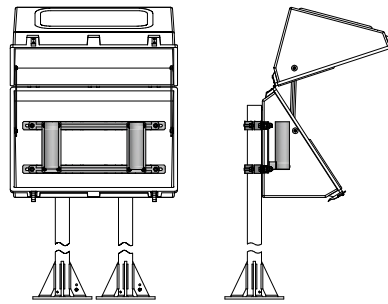
TYPICAL ASSEMBLY 097



Double external bracket placed on the bottom side for 2" pipe stand

Internal plate placed on the rear side

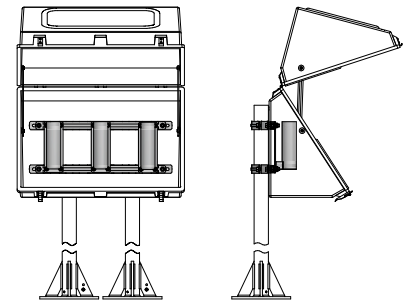
TYPICAL ASSEMBLY 107



Double external bracket placed on the rear side for 2" pipe stand

Double internal 2" vertical pillar placed on the rear side

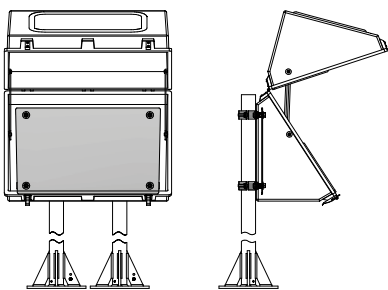
TYPICAL ASSEMBLY 117



Double external bracket placed on the rear side for 2" pipe stand

Triple internal 2" vertical pillar placed on the rear side

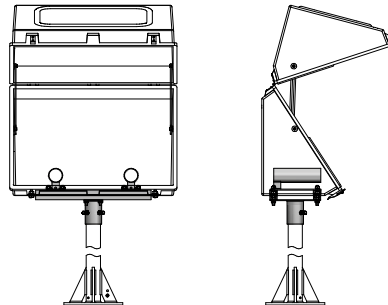
TYPICAL ASSEMBLY 127



External bracket placed on rear side for 2" pipe stand

Internal plate placed on the rear side

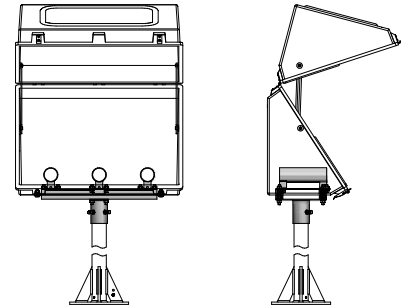
TYPICAL ASSEMBLY 137



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

Double internal 2" horizontal pillar placed on the bottom side

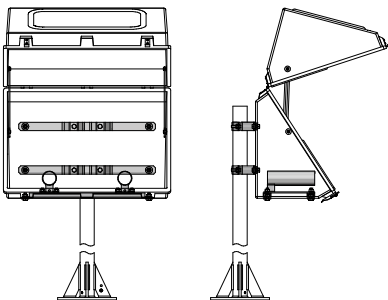
TYPICAL ASSEMBLY 147



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

Triple internal 2" horizontal pillar placed on the bottom side

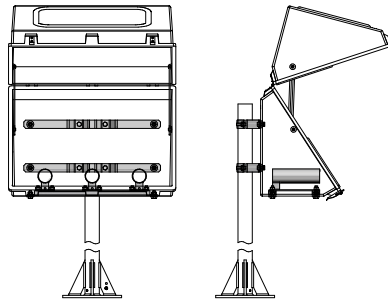
TYPICAL ASSEMBLY 157



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

Double internal 2" horizontal pillar placed on the bottom side

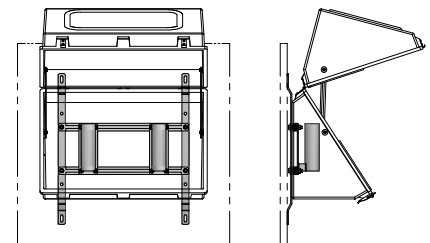
TYPICAL ASSEMBLY 167



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

Triple internal 2" horizontal pillar placed on the bottom side

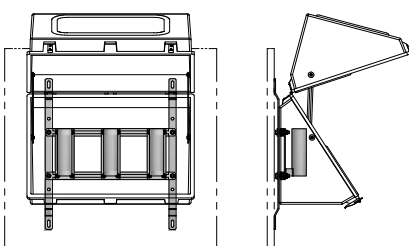
TYPICAL ASSEMBLY 177



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the rear side

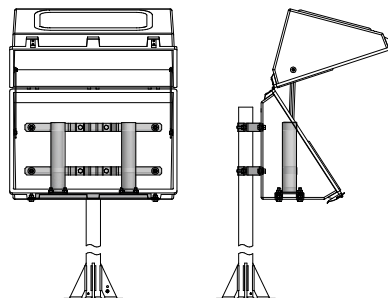
TYPICAL ASSEMBLY 187



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the rear side

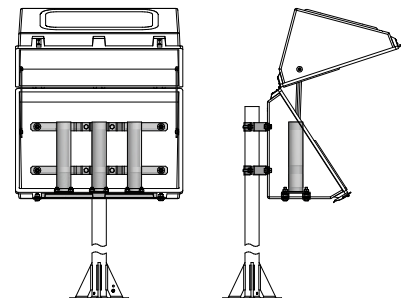
TYPICAL ASSEMBLY 197



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

Double internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 207



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

Triple internal 2" vertical pillar placed on the bottom side



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700N2 SERIE IEN

TYPICAL ASSEMBLY 217	TYPICAL ASSEMBLY 227	TYPICAL ASSEMBLY 237
<p>Double external bracket placed on the bottom side for 2" pipe stand</p>	<p>Double external bracket placed on the bottom side for 2" pipe stand</p>	<p>External bracket placed on the rear side for 2" pipe stand</p>
<p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>Double internal 2" horizontal pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 247	TYPICAL ASSEMBLY 257	TYPICAL ASSEMBLY 267
<p>Double external bracket placed on the rear side for 2" pipe stand</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p>	<p>Double external bracket placed on the rear side for 2" pipe stand</p>
<p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>Double internal 2" vertical pillar placed on the bottom side</p>	<p>Triple internal 2" vertical pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 277	TYPICAL ASSEMBLY 287	TYPICAL ASSEMBLY 297
<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>
<p>Double internal 2" horizontal pillar placed on the bottom side</p>	<p>Triple internal 2" horizontal pillar placed on the bottom side</p>	<p>Double internal 2" vertical pillar placed on the bottom side</p>
TYPICAL ASSEMBLY 307	TYPICAL ASSEMBLY 317	TYPICAL ASSEMBLY 327
<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the rear side for wall mounting</p>	<p>External bracket placed on the bottom side for 2" pipe stand</p>
<p>Triple internal 2" vertical pillar placed on the bottom side</p>	<p>Internal plate placed on the rear side</p>	<p>Double internal 2" vertical pillar placed on the rear side</p>



bulk

MADE IN ITALY

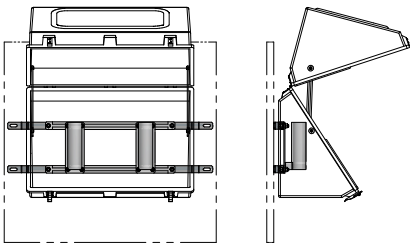
GRP ENCLOSURES

INSTRUMENT ENCLOSURE SERIE IEN

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700N2 SERIE IEN

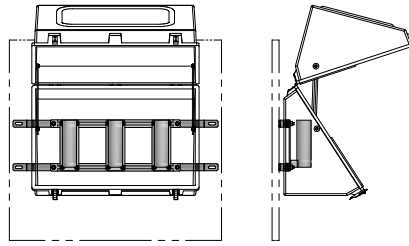
TYPICAL ASSEMBLY 337



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the rear side

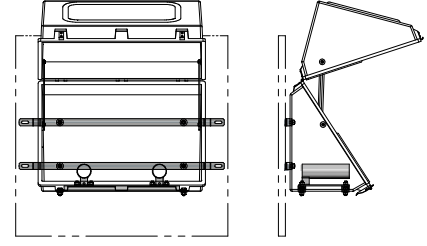
TYPICAL ASSEMBLY 347



External bracket placed on the rear side for wall mounting

Triple internal 2" vertical pillar placed on the rear side

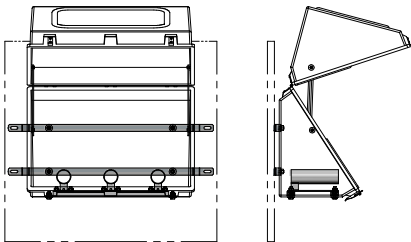
TYPICAL ASSEMBLY 357



External bracket placed on the rear side for wall mounting

Double internal 2" horizontal pillar placed on the bottom side

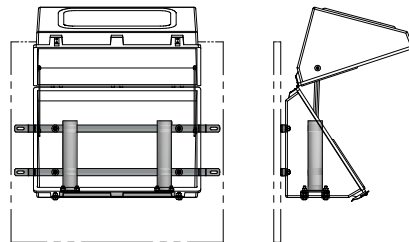
TYPICAL ASSEMBLY 367



External bracket placed on the rear side for wall mounting

Triple internal 2" horizontal pillar placed on the bottom side

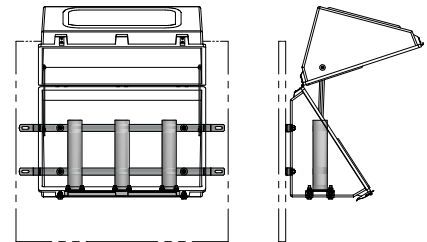
TYPICAL ASSEMBLY 377



External bracket placed on the rear side for wall mounting

Double internal 2" vertical pillar placed on the bottom side

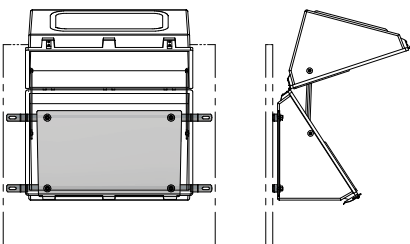
TYPICAL ASSEMBLY 387



External bracket placed on the rear side for wall mounting

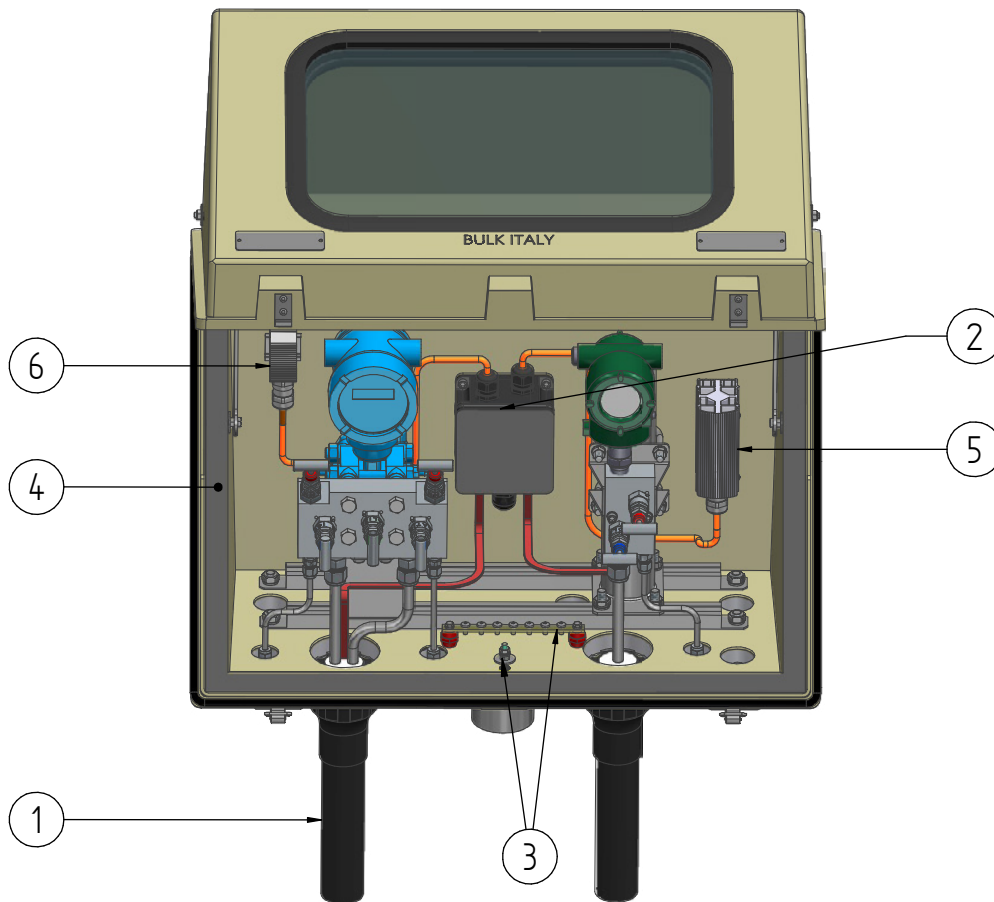
Triple internal 2" vertical pillar placed on the bottom side

TYPICAL ASSEMBLY 397



External bracket placed on the rear side for wall mounting

Internal plate placed on the rear side

HEATING & INSULATION

1. Heat-shrinkable

Suitable for preinsulated and pretraced tubing. Material and dimensions are defined according to the application.

2. Junction boxes

They can be supplied in various materials, including: polypropylene, fiberglass, stainless steel and aluminium alloys. Junction boxes can be supplied complete with relative cable glands, terminals and switch. Explosion proof or standard execution for safe area available.

3. Earth screw or earth bar

Enclosures for hazardous area are supplied with earth screw/earth bar.

4. Thermal insulation

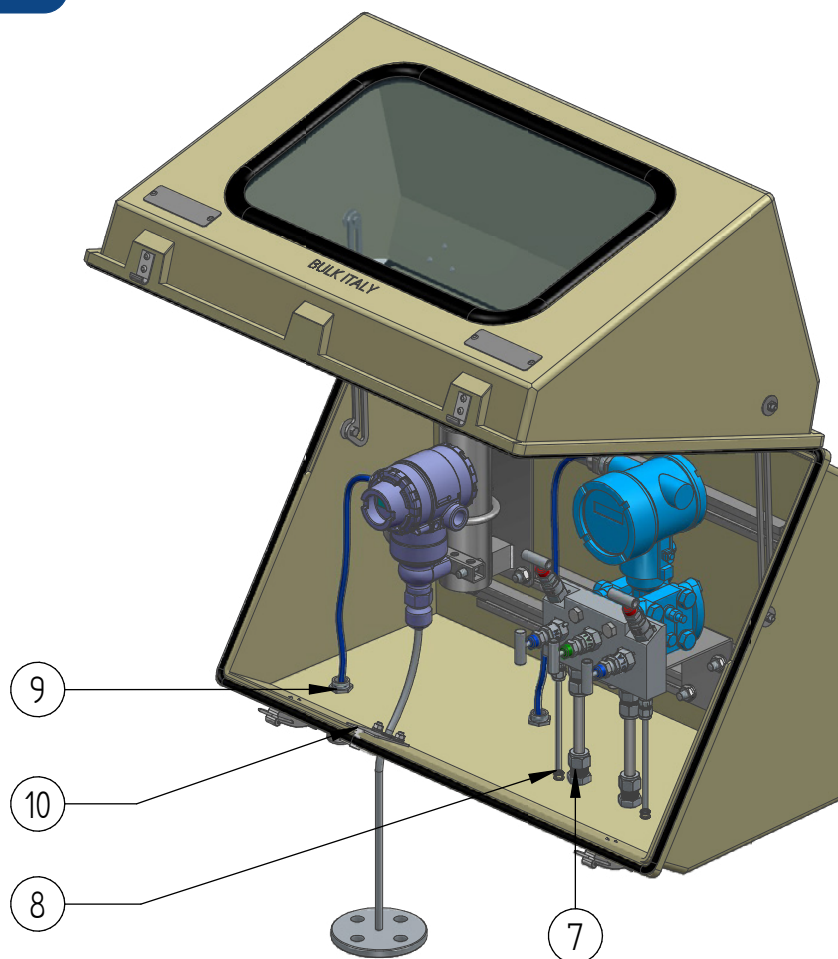
Enclosures can be provided with thermal insulation made from two sheets of GRP enclosing a 20 mm inner layer of PU-FOAM (known as "SANDWICH TYPE").

5. Electrical heaters

Electrical heaters made from anodised aluminium profile, are suitable for installation in Ex or safe area. Available with thermostat or self-regulating. Power consumption from 50 W to 150 W.

6. Thermostat

Electrical heaters can be equipped with thermostat at fixing temperature set. In-line version is also available. They are suitable for installation in Ex or safe area.

IN-OUT CONNECTIONS

7. Bulkhead twin ferrule compression fittings

Size from 1/4" o.d. to 1/2" o.d., from 6 mm o.d. to 16 mm o.d. in AISI 316/L.

8. Rubber grommets

Standard material of construction TPE (-50°C + 100°C). Suitable for entry of tubing, piping or cable.

9. Cable glands

Material of construction: polyamide, brass, nickel plated brass, AISI 316. Available for armoured (double seal) or not armoured cable (single seal). Explosion proof or standard execution for safe area available.

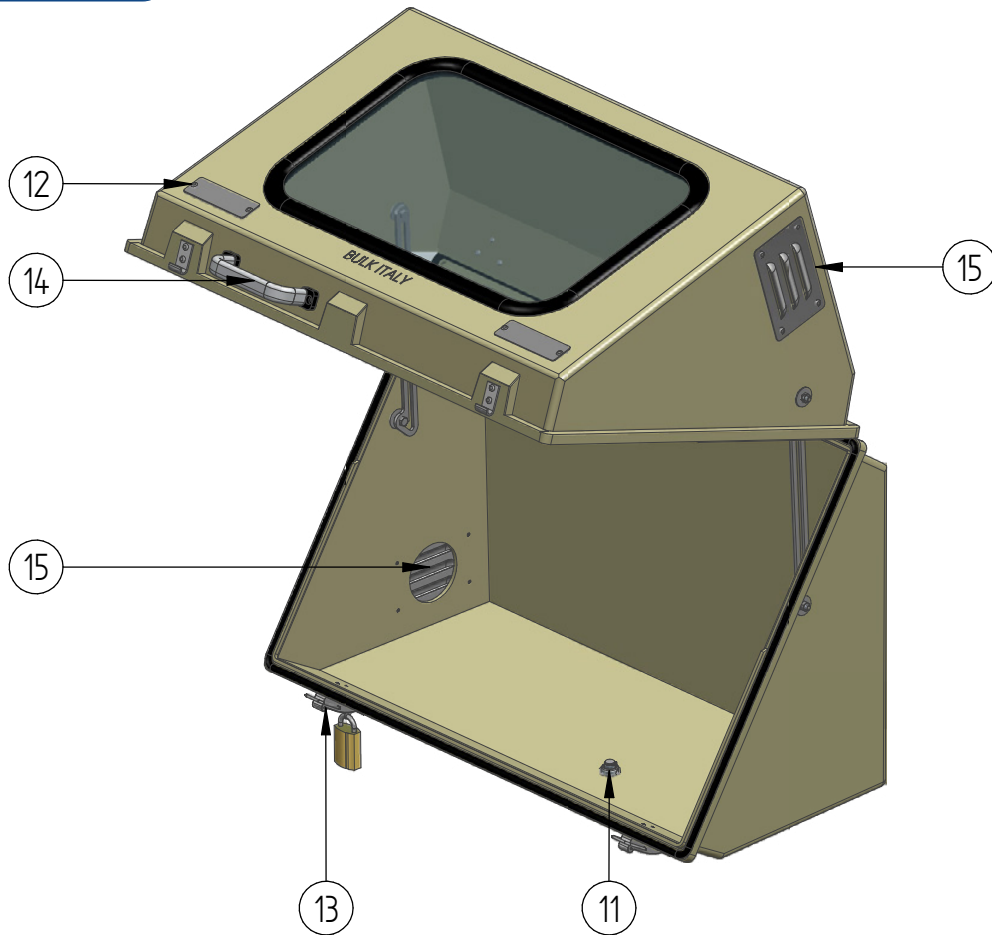
10. Capillary plate

In case of application with capillary impulse line, a special plate should be use.

Size and dimensions are made to fit customer's requirement.


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ACCESSORIES

**11. Drain device**

Material of construction is polyamide or AISI 316.
Thread is M20 (lock nut included).

12. Information label

Different color and size available.
Material AISI 316L or traffolyte.

13. Lockable door

For safety reason, it is available a lockable clasp
(padlock not included).

14. Handle

Handle is available to help operator to easily open
the enclosure's cover.

15. Ventilation louvres

A couple of louvres installed on upper and lower
side of enclosure allows air flow through the box.
This solution is useful if installation is in area with
high ambient temperature.



bulk

MADE IN ITALY

GRP ENCLOSURES

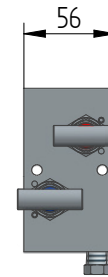
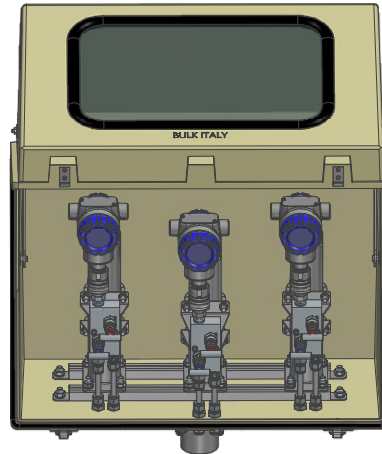
COMPACT MANIFOLD FOR ENCLOSURES

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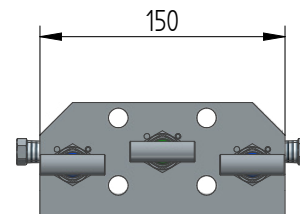
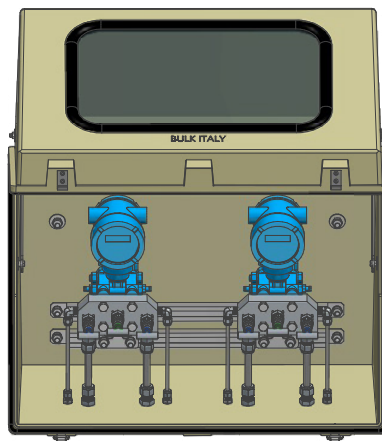
COMPACT MANIFOLD FOR ENCLOSURES

It is available a wide range of instrument manifold especially designed for application inside of the enclosure. Their compact design allows an easy and "space-free" installation.

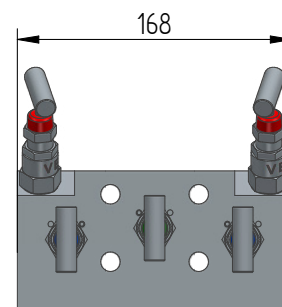
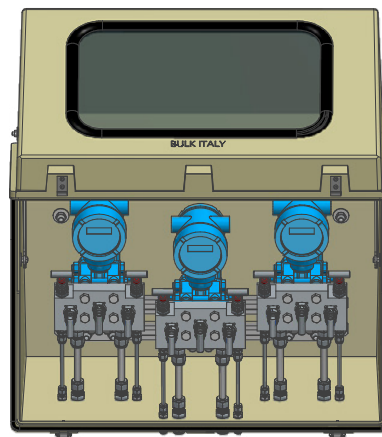
2 VALVES MANIFOLD 2R3



3 VALVES MANIFOLD 3D9



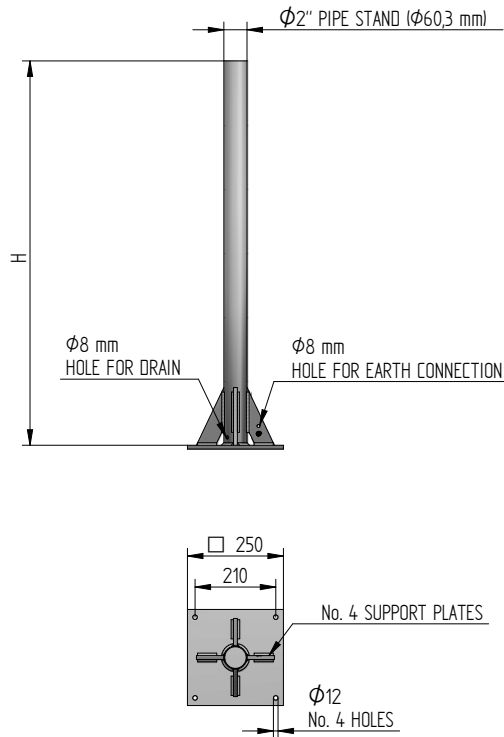
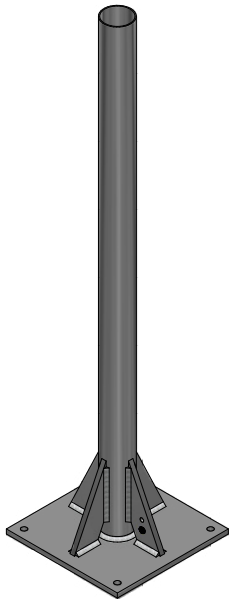
5 VALVES MANIFOLD 5D10





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MODEL: PAL



2" PIPE STAND

MODEL	HEIGHT (4 DIGITS)	MATERIAL
PAL	H.e.g. : 0800 = 800 mm 1000 = 1000 mm 1500 = 1500 mm	CG: HOT-DIP GALVANIZED CARBON STEEL
		316: AISI 316

AVAILABLE OPTIONS UPON REQUEST

2" PIPE STAND C/W WELDED TOP CAP	2" PIPE STAND C/W PLATE FOR TAG LABEL	2" PIPE STAND C/W FIXING PLATE
DOUBLE 2" PIPE STAND	TRIPLE 2" PIPE STAND	2" PIPE STAND WALL MOUNTED

NOTES:

Different sizes, material and designs are available upon request. All dimensions are in millimeters.

EXAMPLE HOW TO ORDER: PAL-1500-CG 2" PIPE STAND MODEL PAL HEIGHT 1500 mm IN HOT-DIP GALVANIZED CARBON STEEL.

WHAT IS YOUR NEED?

We can supply empty enclosures or we can support our customers with the following services:



3D drawings

Bulk provides comprehensive services for the design and assembly of components within GRP ENCLOSURES. Using advanced 3D design software, we meticulously plan the layout and integration of all elements to avoid any troubles on field.



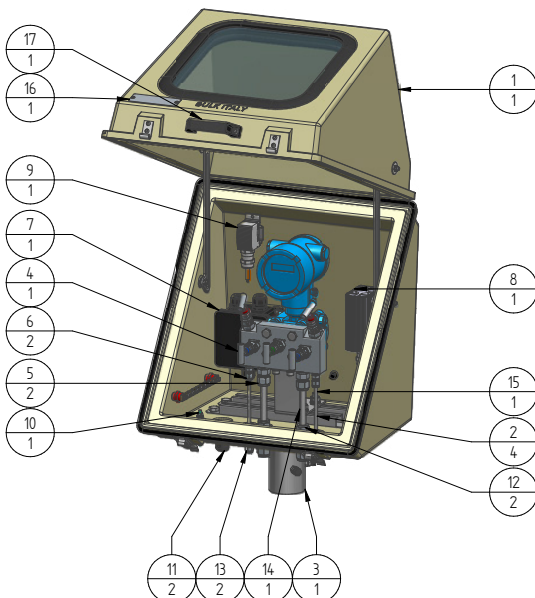
Preassembled units

Bulk handles the complete assembly and testing of all installed components, including manifolds, instruments, fittings, heaters, junction boxes, ...



Customized solutions

Bulk specializes in customized solutions tailored to specific needs, such as special support plates, compact manifolds designed to improve operator accessibility, and non-standard executions. Our flexibility and technical expertise allow us to adapt to unique project requirements with precision and efficiency.



PARTS LIST						
POS	Q.TY	DESCRIPTION	DRAWING	MATERIAL	P/N	SUPPLIED BY
1	1	Enclosure light grey RAL 7032 insulated with window	A2091	GRP	500G2C	BULK SRL
2	4	Mounting bracket	C1082	AISI 316	PR-500-316	BULK SRL
3	1	External mounting bracket	S1188	AISI 316	SP-E3-316.	BULK SRL
4	1	5 valve manifold	A88	AISI 316/L	SD10A01A0107AA01A0	BULK SRL
5	2	Male connector OD 12mm - 1/2"NPT-M	-	AISI 316/L	M-12-8-DM-L	BULK SRL
6	2	Male connector OD 6mm - 1/4"NPT-M	-	AISI 316/L	M-6-4-DM-L	BULK SRL
7	1	Junction box	C5712	GRP	C5712	BULK SRL
8	1	Heater	S5714	Aluminium	S5714	BULK SRL
9	1	Thermostat	S5715	Aluminium	S5715	BULK SRL
10	1	Earthing connection	S1995	A4	CDT6C.	BULK SRL
11	2	Cable gland M20x1,5	-	Polyamide	31341	BULK SRL
12	2	Bulkhead union OD 12mm - OD 12mm	-	AISI 316/L	M-12-UP-L	BULK SRL
13	2	Bulkhead union OD 6mm - OD 6mm	-	AISI 316/L	M-6-UP-L	BULK SRL
14	1	Tubing O.D. 12 mm thickness 1 mm	-	AISI 316/L	MST121316/L	BULK SRL
15	1	Tubing O.D. 6 mm thickness 1 mm	-	AISI 316/L	MST61316/L	BULK SRL
16	1	Item label	S1696	AISI 316	TAG-I-ITEM.	BULK SRL
17	1	Handle	S2135	Conductive polymer	S2135.	BULK SRL

One source of supply

Bulk provides a complete range of electro-instrumental materials required for installation. This includes items such as manifolds, junction boxes, cable glands, tubing, and double ferrule compression fittings.

By supplying all necessary components, Bulk helps prevent assembly issues in the field, ensuring a smoother and more efficient installation process.



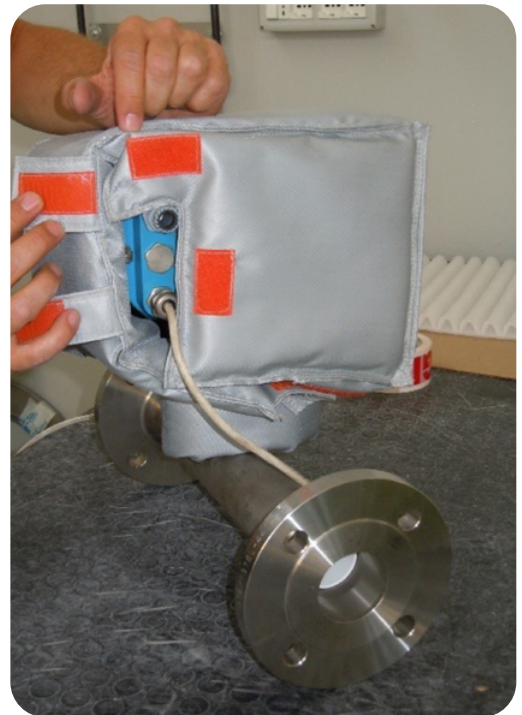
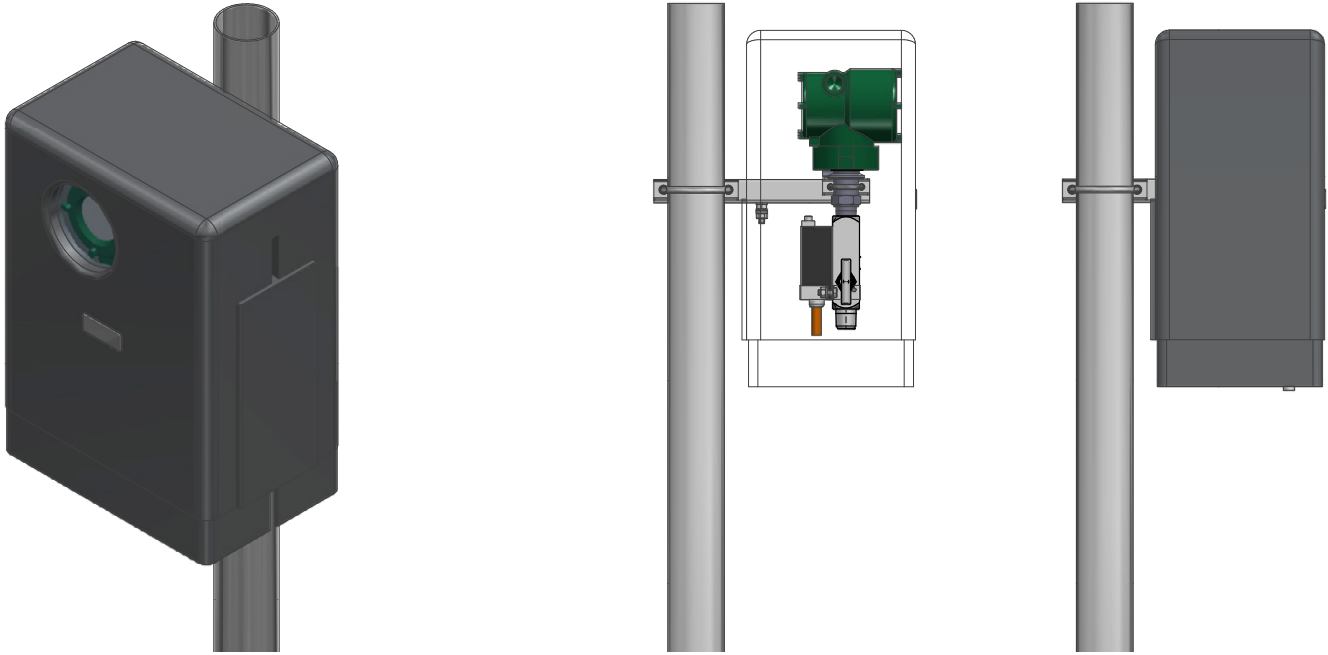
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SOFT ENCLOSURES

Manufactured from silicone impregnated fiberglass as standard, Soft Enclosures are available in various material thicknesses, geometry and dimensions to suit the particular application conditions. They are available for Ex or safe area.

Heating cable and junction box could be supplied to offer a product ready to be installed on field.

SOFT ENCLOSURE





bulk

MADE IN ITALY

GRP ENCLOSURES SERIES IE/IE N

EXAMPLE OF EXECUTIONS

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EXAMPLE OF EXECUTIONS



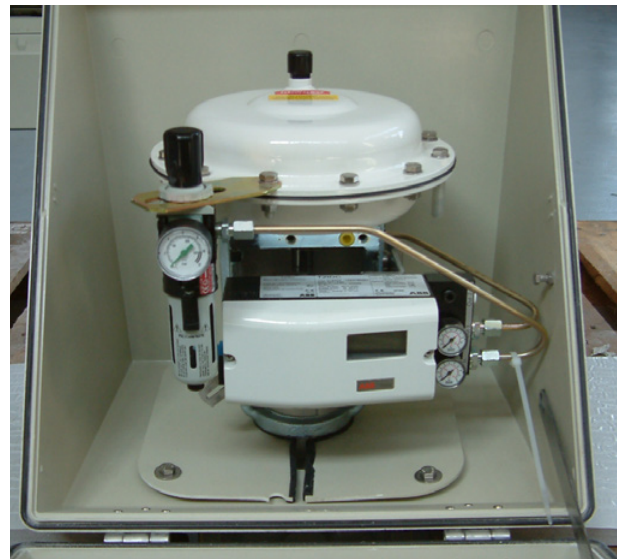
Transmitter not protected by GRP enclosures (Italy)



Flow meter into GRP ATEX enclosure (Kazakistan)



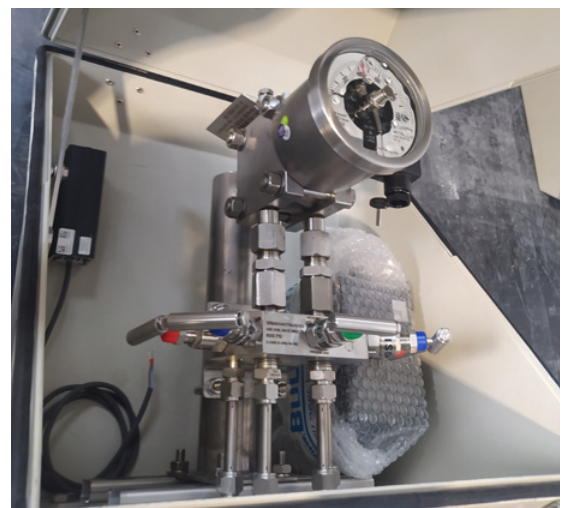
GRP enclosures installed at gas plant (Egypt)



Positioner and actuator into GRP enclosures (Qatar)



3 PT transmitters into GRP enclosures



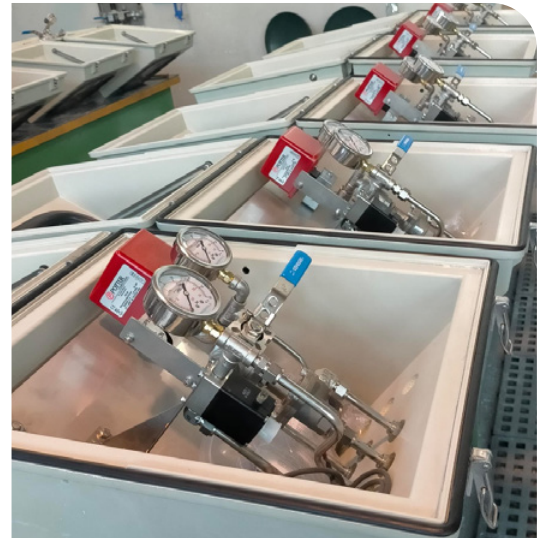
Differential gauge into GRP enclosures



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White GRP enclosures (Oman)



Deluge valves system into GRP enclosures



Data logger into GRP enclosures (Norway)



Valve installed into GRP ATEX enclosure



Red GRP enclosures (Bahrain)



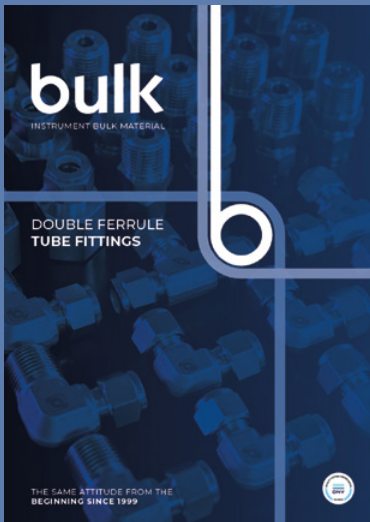
Grommets, bulkheads and cable glands

EXAMPLE OF EXECUTIONS

Our Catalogues

Each catalogue is designed to facilitate consultation and support informed decision. Our goal is to offer not only high-quality products, but also comprehensive and accessible support, meeting the needs of those looking for reliable and high-performance solutions.

DOUBLE FERRULE TUBE FITTINGS



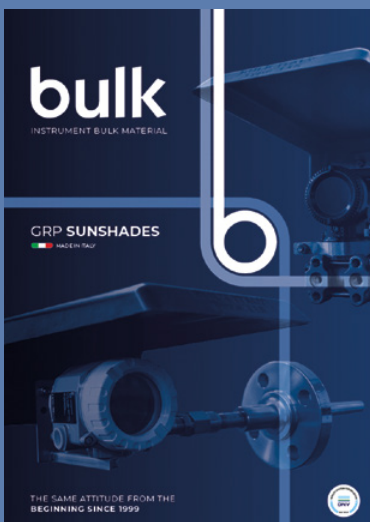
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GRP ENCLOSURES



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GRP SUNSHADES



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INSTRUMENT MANIFOLDS



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