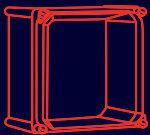




EUROPOLY

 **MADE IN FRANCE**

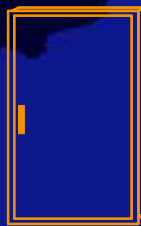
THE POLYESTER REFERENCE



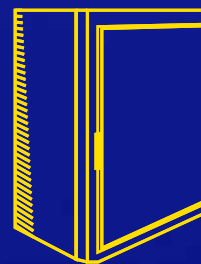
MICRO EURO



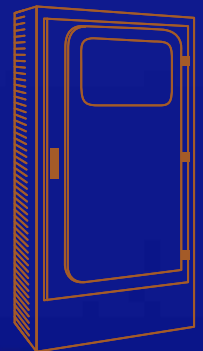
MINI EURO



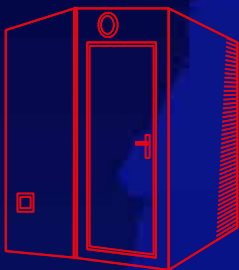
EURO MEDIUM



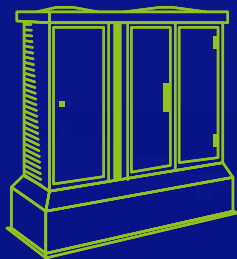
MAXI EURO 1500



MAXI EURO 1900



MEGA EURO



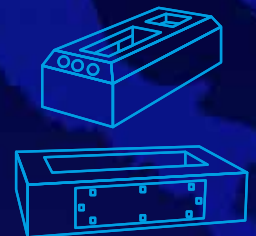
EURO URBAIN



EURO INSTRUM



CUSTOM-MADE



ACCESSORIES



GENSOLLEN

COMPANY FROM EUROPOLY GROUP



THE POLYESTER REFERENCE

LEADING THE WAY

Europoly is a dynamic, well-established and reliable company. We are widely recognised in the production of GRP enclosures, cabinets, shelters and fittings for industrial purposes, telecommunications, urban infrastructures (public lighting, traffic signalling, tram lines...), road and motorway networks and water treatment (water purification plants, pumping stations).

Thanks to our excellent design and research units, we manufacture our moulds ourselves. We also provide specifically adapted tools, which allows us to meet individual clients' requests.

Our sales staff is technically qualified and always ready to answer to your needs, choosing products which meet your requirements whilst also fitting your budget.

Europoly was established in 1999 and has then become the premier partner of businesses specialised in electrical installation and manufacturers.

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France

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www.europoly.com

OUR CLIENTS' SECTORS



INDUSTRY

Chemistry
Petrochemicals
Food-Processing
Drilling
Cement Works
Steel Industry
Aquaculture
Nuclear Energy...



ENVIRONMENT

Water Treatment
Chlorination
Water Drawing
Pumping
Sanitation
Irrigation
Waste Treatment
Incineration...



INFRASTRUCTURES

Road Development
Motorways
Tunnels
Commercial Ports
Industrial Ports
Gas Networks
Lighting
Railways...



URBAIN INFRASTRUCTURE

Public Lighting
Traffic Signalling
Tram Lines
Subway Systems...



RENEWABLE ENERGY

Solar Energy
Wind Energy
Hydraulic Energy
Geothermal Energy...



TELECOMS & SECURITY

Telecommunications
Fibre Optics
Video-Surveillance
Security
Emergency Networks...

INDUSTRY & ENVIRONMENT

CHEMICAL, FOOD PROCESSING, STEEL INDUSTRY, NUCLEAR ENERGY,
WATER TREATMENT...

MINI EURO : Standard cabinets (IP66)



Cabinets specifically used to house electrical and electronic equipment in a corrosive environment. These cabinets are adapted for a range of uses and suit humid and corrosive indoor environments just as well as outdoor settings.

Tried and Tested by: Air Liquide, Total, Solvay, Tioxide...

MEGA EURO : Polyester shelters (IP55/65)



Anti-corrosion polyester shelters, with an external anti-UV gel coat finish. These shelters can be delivered with or without thermal insulation. Dimensions are height: 2400mm, width: 2000mm, length: from 1000 to 4000mm. Standard shelters are delivered without a base, and can therefore cover existing equipment and be easily fixed to concrete foundations.

Optional bases are offered in stainless steel, galvanised steel or polyester.

Tried and Tested by: Salins du Midi, Eurolysine, Solvay, Ato Fina...

MAXI EURO 1900 : Large enclosures (IP55/65)



Anti-corrosion polyester enclosures, watertight and/or ventilated, with an external anti-UV, anti graffiti gel coat finish. External Gel Coat Guarantee: 10 years. Sizes range from 1900x665x400mm to 1900x6390x800mm.

Tried and Tested by: Arcelor, Arkema, Ajinomoto, Zeneka...



Thanks to our excellent research unit, our know-how and our experience, Europoly is able to design and manufacture purpose-made equipment adapted to the specific requirements of our clients. In order to produce the best product for you, we will undertake a comprehensive procedure of feasibility studies, design, prototype and pilot production and finally mass production.

INFRASTRUCTURE

TUNNELS, INDUSTRIAL PORTS, ROADS, MOTORWAYS, VIDEO-SURVEILLANCE, LIGHTING, URBAN INFRASTRUCTURE...

EURO MEDIUM :

Modular enclosures (IP55/65)



Anti-corrosion polyester enclosures, watertight and/or ventilated, with an SMC finish. The main benefit to these enclosures is their flexibility. By bringing together different standard-sized parts, we can produce enclosures of all dimensions from 500x500x300mm to 1250x2000x500mm. These enclosures are perfectly suited to road and motorway electrical purposes as well as for the installation of telecommunication and video-surveillance materials. Tried and Tested by: Nexans, Alcatel, Sagem...

MEGA EURO :

Polyester shelters (IP55/65)



Anti-corrosion polyester shelters, with an external anti-UV gel coat finish. These shelters can be delivered with or without thermal insulation. Dimensions are height: 2400mm, width: 2000mm, length: from 1000 to 4000mm. Standard shelters are delivered without a base, and can therefore cover existing equipment and be easily fixed to concrete foundations. Optional bases are offered in stainless steel, galvanised steel or polyester. Tried and Tested by: Sap2r, Total Energy, Wiewsurf, EDF...

MAXI EURO 1500 :

Medium-sized enclosures



Anti-corrosion polyester enclosures, watertight, ventilated, with an external anti-UV, anti graffiti and/or anti-poster gel coat finish. This range offers a deeper enclosure with depth dimensions ranging up to 800mm. These enclosures can be coupled with others as well as partitioned. They also have a very high resistance to mechanical impact.

Tried and Tested by: The French cities of Lyon, Montpellier, Saint-Etienne, Grenoble, Clermont-Ferrand, Orléans, Valence...

CUSTOM MADE :

Enclosures, terminals, cabinets, purpose-made fitting



Thanks to our excellent research unit, our know-how and our experience, Europoly is able to design and manufacture purpose-made equipment adapted to the specific requirements of our clients. In order to produce the best product for you, we will undertake a comprehensive procedure of feasibility studies, design, prototype and pilot production and finally mass production.

RENEWABLE ENERGY, TELECOMS AND SECURITY

SOLAR PANELS, PHOTOVOLTAIC POWER PLANTS, WIND FARMS, FIBRE OPTICS...

MINI EURO :

Standard cabinets (IP66)



Cabinets specifically used to house security equipment, video-surveillance and alarms. These cabinets suit indoor settings just as well as harsher outdoor environments (extreme weather, pollution, saline air).

Tried and Tested by: Thales, Chubb, KDG...

MAXI EURO 1500:

Deeper middle-sized enclosures



Anti-corrosion polyester enclosures, watertight and/or ventilated, with an external anti-UV gel coat finish. This range offers the possibility of partitioning, as well as the option of custom assembling different standard-sized parts, and producing 19" compartments to separate active components from fibre optics.

MAXI EURO 1900 :

Large enclosures (IP55/65)



The larger dimensions of these enclosures and the monobloc production techniques used to create large enclosures are very well suited to the wind and solar energy sectors.

Tried and Tested by: GDF Suez, ABB, Siemens...



In response to specific market requirements, we have created a watertight, shelved enclosure for the purpose of housing energy storage batteries. The advantages of these enclosures are their anti-corrosive properties, mechanical resistance, reinforced waterproofing (IP65), retention tray for collecting liquids at the base of the enclosure, and in particular the shelving (more than a tonne of weight held per shelf).

■ PETROCHEMICAL

OIL & GAS, OFFSHORE PLATFORMS, REFINERIES...

EURO INSTRUM : Instrumentation cabinets



Europoly has developed a range of IP65 watertight cabinets specifically used for instrumentation purposes. These cabinets allow for the protection of transmitters, gas sampling valves and Manifolds. These cabinets are made of fibre-glass reinforced polyester with hydrocarbon resistant rubber sealants, and stainless steel hinges and locks.

Polyurethane foam can be incorporated to allow thermal insulation, as well as an antistatic external coating - in accordance with the ATEX directive (suitable for use in explosive atmospheres).

Tried and Tested by: Kemone, Total, Sonatrach...

MAXI EURO : Large enclosures (IP55/65)



Anti-corrosion polyester enclosures, watertight and/or ventilated, with an external anti-UV, anti graffiti gel coat finish. External Gel Coat Guarantee: 10 years. Size ranges from 1900x665x400mm to 1900x6390x800mm. Thanks to their increased mechanical impact resistance (IK10), these enclosures are suitable for a wide range of industrial sites.

Tried and Tested by: Arcelor, Arkema, Ajinomoto, Zeneka, Exxon Mobil...

MEGA EURO : Polyester shelters (IP55/65)



Anti-corrosion polyester shelters, with an external anti-UV gel coat finish. These shelters can be delivered with or without thermal insulation. An external antistatic coating is also offered for use in explosive atmospheres (ATEX). Standard shelters are delivered without a base (making it easier to cover existing equipment), or optional bases are also offered. Dimensions are height: 2400mm, width: 2000mm, length: from 1000 to 4000mm.

Tried and Tested by: Arkema, Novacab, Shell...

THE BENEFITS OF GRP

Fibre-glass reinforced polyester is an extremely corrosion-resistant composite which is currently unrivalled in the construction of enclosures, cabinets and shelters for the electrical industry.

BENEFITS

Of fibre-glass reinforced polyester compared to galvanised or painted steel:

- Unrivalled resistance in saline, chlorine, sulphur, urban or chemically aggressive environments.
- Superior resistance irrespective of the quality of the coating of the steel - no oxidation or rust.
- With an equal mechanical resistance rating (IK10), polyester is half as heavy as steel.
- Polyester is an electrically insulating material (class II).
- Rate of thermal insulation is distinctly superior (less risk of condensation).
- No specific protection needs on site (bitumen coating).

Of fibre-glass reinforced polyester compared to aluminium:

- Distinctly superior resistance in saline, urban environments etc.
- No additional anti-corrosion coating needed
- No electrolytic corrosion caused by contact between 2 metals in a damp environment.
- Polyester is an electrically insulating material (class II).

Of fibre-glass reinforced polyester compared to stainless steel:

- No corrosion even in chlorine and saline environments.
- No corrosion caused by electrical effects.
- With an equal mechanical resistance rating (IK10), polyester is half as heavy as stainless steel.
- Polyester is an electrically insulating material (class II).

The lifespan of your chosen system and the protection of your equipment depend first and foremost on their outer casing.

COMPARATIVE PROPERTIES OF MATERIALS

		MATERIALS							
		GRP		Metals			Plastics		
Chemical Agents	Concentration	SMC	GEL COAT	PAINTED SHEET STEEL	ALUMINIUM	STAIN-LESS STEEL	ABS	POLYCARBONATE	PVC
Acetic Acid	50%	L	R	NR	L	L	NR	NR	NR
Acetone		R	R	NR	L	R	NR	L	L
Hydrochloric Acid	< 15 %	R	R	NR	L	L	L	NR	R
	> 30 %	R	R	NR	L	R	NR	NR	NR
Citric Acid	< 10 %	R	R	NR	L	R	NR	R	R
	> 10 %	R	R	NR	L	R	NR	NR	NR
Lactic Acid	< 10 %	R	R	NR	L	R	R	R	R
	> 10 %	R	R	NR	L	R	L	NR	L
Nitric Acid	< 15 %	R	R	NR	L	L	R	L	R
	> 15 % < 50 %	NR	R	NR	L	NR	L	NR	L
	> 50 % < 100 %	NR	R	NR	L	R	NR	NR	NR
Phosphoric Acid	< 15 %	R	R	NR	L	L	R	R	R
	> 15 % < 50 %	L	R	NR	L	NR	L	R	R
	> 50 % < 100 %	NR	R	NR	L	L	NR	L	R
Sulphuric Acid		L	R	NR	L	R	L	L	L
Alcohol		L	R	NR	L	R	L	R	R
Allyl Alcohol		L	R	NR	L	L	NR	L	L
Ammonia		L	R	NR	L	R	NR	NR	NR
Liquid Antifreeze		R	R	NR	L	L	NR	L	L
Benzene		NR	R	NR	L	L	R	L	NR
Liquid Bromine		NR	L	NR	L	L	NR	NR	NR
Liquid Chlorine		R	R	NR	L	L	NR	NR	NR
Calcium Chloride		R	R	NR	L	L	L	R	R
Copper Chloride		NR	R	NR	L	L	NR	R	L
Chloroform		NR	L	NR	L	L	NR	NR	NR
Seawater		R	R	NR	L	L	R	R	R
Petrol		R	R	NR	L	R	R	R	L
Ether		L	R	NR	L	R	NR	L	NR
Hydraulic Fluid		R	R	NR	R	R	L	L	L
Oil, Grease		R	R	NR	R	R	R	R	R
Hexane		NR	R	L	L	R	L	R	L
Hydrocarbon		R	R	L	L	R	L	NR	NR
Nitrobenzene		L	R	NR	L	R	NR	NR	NR
Hydrogen Peroxide		L	R	NR	L	L	NR	R	L
Phenol		NR	L	NR	L	L	NR	NR	NR
Toluene		R	R	NR	L	L	NR	NR	NR
Trichorethylene		NR	L	NR	L	L	NR	NR	NR

R = Recommended

L = limited

NR = Not recommended

PRODUCTION TECHNIQUES

All the products manufactured by Europoly are made of fibre-glass reinforced polyester.

Our three production techniques are:

SMC MOULDING

This method involves pre-injecting sheets of glass filament with polyester resin and compressing them between a main mould and a steel counter-mould. The pressure (50-100 bars) and the temperature allow the material to flow and fill the cast.

BENEFITS:

The finished items are resistant to the majority of corrosive agents.
The production rate is high and is reserved for standard products.
The unit cost per item is very competitive.

DRAWBACKS:

Without a gel coat finish the resistance of the external surface is not as good.
Products are completely standardised, leaving very little room for modification/adaptation.
Equipment costs being high, there is not much possibility for custom made products.

CONTACT MOULDING

This moulding method is the simplest way to produce polyester items. We use a polyester mould in the shape of the item we want to produce and apply a gel coat finish to the mould. Then the mould is covered with glass fibre material and a layer of resin. Finishing with these several layers of fibre glass and resin increases the thickness of the items and thus increases their mechanical resistance.

BENEFITS:

Resistant to almost all corrosive agents due to the gel coat surface.
The cost of the mould is very reasonable, even when only producing a small volume series of items.
Reinforcements can be added even for single unit production, allowing products to be adapted to the needs of the client.

DRAWBACKS:

Production rate is low: 1-3 items per day depending on size.

For further information, explanations and pictures, don't hesitate to visit our website:
www.europoly.com

PRODUCTION TECHNIQUES

RESIN TRANSFER MOULDING (RTM)

RTM requires a little more technical skill. The method involves filling a double cast (mould and counter-mould) with resin. Prior to this, the mould has been covered in a layer of gel coating and draped with fibre glass sheets and a vacuum is created where the resin is then injected. EUROPOLY designs and produces all of these moulds, which come in standard sizes as well as custom made to suit client specificities.

BENEFITS:

Resistant to almost all corrosive agents due to the gel coat surface.

The cost of the mould is slightly higher than for the contact mould but remains reasonable.

This double cast mould is therefore affordable even when only producing a small series of items.

Thanks to RTM we can create large items in complex shapes and designs, which are still financially viable.

The production rate can be maintained and corresponds perfectly with the production of medium volume series (4-6 items per day with a mould).

Due to the closed-mould manufacturing process (vacuum procedure carried out in advance and resin injected in closed-circuit), we are significantly improving working and environmental conditions (no more styrene emissions). Thus, through RTM technology, we are entering a new era of environmentally friendly production.

DRAWBACKS:

Manufacturing of required equipment takes longer than for contact moulding (approximately 4-5 weeks to produce all of the equipment required).





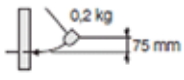


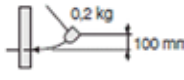


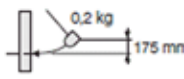


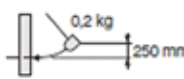


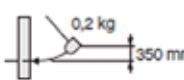


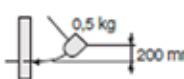

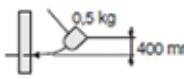

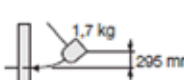
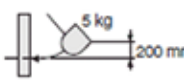
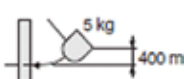
SANDWICH CONSTRUCTION

Problems with temperature and temperature variation inside enclosures are very common. These two issues can cause considerable constraints regarding electrical equipment. The addition of polyurethane foam between two layers of glass sheeting allows:



- **to slow down the increase in temperature inside the enclosure** (temperature does not reach extreme heights until later in the day)
- **to slow down the decrease in temperature inside the enclosure** (temperature does not reach extreme lows until later in the day, reduced need for heating elements).
- **to reduce the rate with which the temperature inside the enclosure decreases** (significant decrease in condensation).

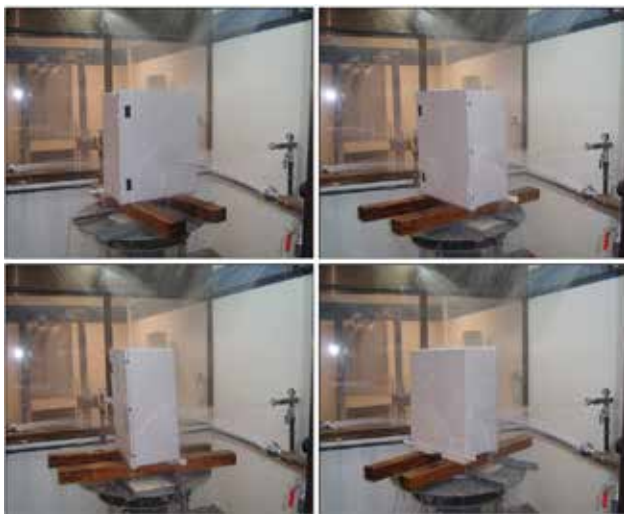
IP / IK PROTECTION MARKING

1 ST FIGURE Solid Particle Protection		2 ND FIGURE Liquid Particle Protection		MECHANICAL IMPACT RESISTANCE IK	
IP		IP		IK	
0	 No protection.	0	 No protection.	00	0 No protection
1	 Protected against a solid object greater than 50mm (such as a hand)	1	 Protected against vertically falling drops of water	01	0,15 
2	 Protected against a solid object greater than 12.5mm (such as a finger)	2	 Protected against diagonally falling (up to 15°) drops of water	02	0,2 
3	 Protected against a solid object greater than 2.5mm (such as a screwdriver)	3	 Protected against diagonally falling (up to 60°) sprays of water	03	0,35 
4	 Protected against a solid object greater than 1mm (such as a wire)	4	 Protected against water splashed from all directions	04	0,5 
5	 Dust protected limited ingress of dust permitted. Will not interfere with operation of equipment	5	 Protected against a water nozzle from any direction	05	0,7 
6	 No ingress of dust (dust tight)	6	 Protected against powerful water jets from any direction	06	1 
An important point when selecting an outer casing is the protection degree against solids and liquids. The protection degree of outer casings for electrical equipment is defined according to the French standard: NF-EN 60529 (June 2000).		7	 Protected against submersion	07	2 
		8	 Protected against continuous submersion for long periods	08	5 
The higher the protection degree, the more watertight the casing will be. However, when installing an enclosure outdoors, exposure to weather conditions can cause temperature variations.		A completely watertight casing installed outdoors that is exposed to high temperature variation must be regularly ventilated and its protection degree will therefore decrease by 1-2 points.		09	10 
				10	20 

CERTIFICATION

EUROPOLY certifies that its products are in accordance with European standards and directives.

IP CERTIFICATION (Protection Marking) in accordance with EN60529-4



1. IP protection Test Bench for self-certification.



2. Consignment Record:
Testing results - product conformity or non-conformity.



3. Technical Product Notice:
Recommendations and Definitive Certification that product is in accordance with European directives.

IK CERTIFICATION (Mechanical Resistance) in accordance with EN62262



1. Auto-certification protocol



2. Consignment Record:
Testing results - product conformity or non-conformity.



3. Technical Product Notice:
Recommendations.

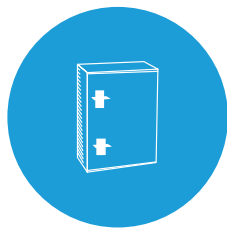


4. Definitive Certification that product is in accordance with European Directives.

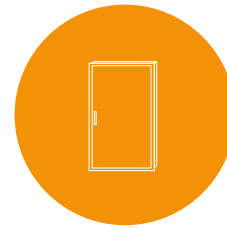
SEARCH BY DIMENSIONS



MICRO EURO (P.18)		
H	W	D
180	270	176
270	270	176
360	270	176
360	360	176
540	270	176
540	360	176
540	360	206
540	540	206
720	360	206
720	540	206



MINI EURO (P.20)			
DRS*	H	W	D
1	300	250	160
1	400	300	200
1	500	400	200
1	600	500	250
1	800	600	300
1	800	1000	340
1	1000	800	340



EURO MEDIUM (P .26)			
DRS*	H	W	D
1	500	500	300
1	500	500	500
1	500	750	300
1	500	750	500
1	500	1000	300
1	500	1000	500
2	500	1000	300
2	500	1000	500
2	500	1250	300
2	500	1250	500
1	750	500	300
1	750	500	500
1	750	750	300
1	750	750	500
1	750	1000	300
1	750	1000	500
2	750	1000	300
2	750	1000	500
2	750	1250	300
2	750	1250	500
2	750	1500	300
2	750	1500	500
2	750	1750	300
2	750	1750	500
2	750	2000	300
2	750	2000	500
1	1000	500	300
1	1000	500	500
1	1000	750	300

SEARCH BY DIMENSIONS

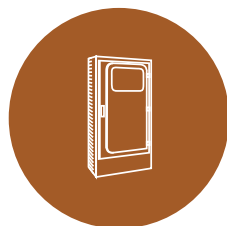


EURO MEDIUM (P.26)			
DRS*	H	W	D
1	1000	750	500
1	1000	1000	300
1	1000	1000	500
2	1000	1000	300
2	1000	1000	500
2	1000	1250	300
2	1000	1250	500
2	1000	1500	300
2	1000	1500	500
2	1000	1750	300
2	1000	1750	500
2	1000	2000	300
2	1000	2000	500
1	1250	500	300
1	1250	500	500
1	1250	750	300
1	1250	750	500
1	1250	1000	300
1	1250	1000	500
2	1250	1000	300
2	1250	1000	500
2	1250	1250	300
2	1250	1250	500
2	1250	1500	300
2	1250	1500	500
2	1250	1750	300
2	1250	1750	500
2	1250	2000	300
2	1250	2000	500

MAXI EURO 1500 (P38)							
DRS*	H	W	D	DRS*	H	W	D
1	1500	750	430	2	1200	1750	400
1	1500	750	630	2	1200	1750	600
1	1500	1000	430	2	1200	1750	800
1	1500	1000	630	2	1200	2000	400
1	1500	1250	430	2	1200	2000	600
1	1500	1250	630	2	1200	2000	800
2BB	1500	1250	430	1	1500	600	400
2BB	1500	1250	630	1	1500	600	600
2MC	1500	1250	430	1	1500	1200	400
1	1200	750	400	1	1500	1200	600
1	1200	750	600	1	1500	1200	800
1	1200	750	800	1	1500	1200	1100
1	1200	1000	400	2	1500	1200	400
1	1200	1000	600	2	1500	1200	600
1	1200	1000	800	2	1500	1200	800
2	1200	1200	400	2	1500	1200	1100
2	1200	1200	600	2	1600	1000	400
2	1200	1500	400	2	1600	1000	600
2	1200	1500	600	2	1600	2000	400
2	1200	1500	800	2	1600	2000	600

DRS*: Number of Doors

SEARCH BY DIMENSIONS



MAXI EURO 1900 (P.50)											
DRS*	H	W	D	DRS*	H	W	D	DRS*	H	W	D
1	1900	750	430	2	1800	1800	800	3	1900	1995	400
1	1900	750	630	1	1900	665	400	3	1900	1995	600
1	1900	1000	430	1	1900	665	600	3	1900	1995	720
1	1900	1000	630	1	1900	665	720	2	1900	2130	400
1	1900	1250	430	1	1900	865	400	2	1900	2130	600
1	1900	1250	630	1	1900	865	600	2	1900	2130	800
2BB	1900	1250	430	1	1900	865	800	2	1900	2130	1000
2BB	1900	1250	630	1	1900	1065	400	3	1900	2595	400
2MC	1900	1250	430	1	1900	1065	600	3	1900	2595	600
2MC	1900	1250	630	1	1900	1065	800	3	1900	2595	800
1	1800	600	400	1	1900	1065	1000	2	1900	2640	400
1	1800	600	600	2	1900	1330	400	2	1900	2640	600
1	1800	1200	400	2	1900	1330	600	2	1900	2640	720
1	1800	1200	600	2	1900	1330	720	3	1900	3195	400
1	1800	1200	800	2	1900	1730	400	3	1900	3195	600
2	1800	1800	400	2	1900	1730	600	3	1900	3195	800
2	1800	1800	600	2	1900	1730	800	3	1900	3195	1000

SEARCH BY DIMENSIONS



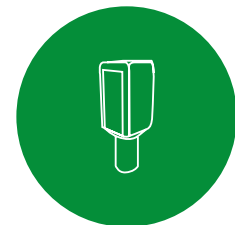
MEGA EURO (P.62)		
H	W	D
2300	2300	1700
2300	2300	3000
2300	2300	4200



EURO URBAIN (P.68)			
DRS*	H	W	D
1	920	720	350
1	1100	400	370
2	1100	800	370
3	1100	1230	370
2	1100	1400	600
1	1200	750	400
1	1200	750	600
1	1200	750	800
1	1200	1000	400
1	1200	1000	600
1	1200	1000	800
2	1200	1500	400
2	1200	1500	600
2	1200	1500	800
2	1200	1750	400
2	1200	1750	600
2	1200	1750	800
2	1200	2000	400
2	1200	2000	600
2	1200	2000	800



EURO INSTRUM (P.74)		
H	W	D
45° opening		
359	335	321
553	548	486
548	800	480
front opening		
400	350	227
527	500	394



DIVERSE ENCLOSURES AND CABINETS (P.78)			
DRS*	H	W	D
1	450	800	300
1	590	180	200
1	630	300	190
1	770	220	190
2	1000	1400	720

DRS*: Number of Doors

MICRO EURO

MODULAR BOXES

from 180 x 270 x 176

to 720 x 540 x 206 mm



SPECIAL FEATURES THAT MAKE THE DIFFERENCE

- Modular boxes that can be assembled
- Lead-sealable cover, closed by captive screws
- Possibility to choose an opaque or UV-stabilized transparent cover with watertight gasket
- Possibility to customize your boxes with drillings, cables glands, DIN rails...

PROTECTION DEGREE IP66

Boxes specifically used to house electrical and electronical equipment in corrosive environments. Uses: distribution boxes, switch gear, control boards...

EXTREMELY RESISTANT TO CORROSION



Polyamide hinge



Mounting bracket



Ref.		Dimensions in mm			Mounting plate
Box with opaque cover	Box with transparent cover	Height	Width	Depth	3mm GRP mounting plate
MI 182717 O	MI 182717 T	180	270	176	MI PEP 1827
MI 272717 O	MI 272717 T	270	270	176	MI PEP 2727
MI 362717 O	MI 362717 T	360	270	176	MI PEP 3627
MI 363617 O	MI 363617 T	360	360	176	MI PEP 3636
MI 542717 O	MI 542717 T	540	270	176	MI PEP 5427
MI 543617 O	MI 543617 T	540	360	176	MI PEP 5436
MI 543620 O	MI 543620 T	540	360	206	MI PEP 5436
MI 545420 O	MI 545420 T	540	540	206	MI PEP 5454
MI 723620 O	MI 723620 T	720	360	206	MI PEP 7236
MI 725420 O	MI 725420 T	720	540	206	MI PEP 7254

Accessories	Galvanized steel mounting brackets	Coupling flange 270 mm	Coupling flange 360 mm	Lateral cover 270 mm	Lateral cover 360 mm	Set of 2 polyamide hinges
Ref.	MI PM300	MI BA270	MI BA360	MI CL270	MI CL360	MI CH2



Assembly spacer



MICRO EURO

MODULAR BOXES FROM 180 X 270 X 176 TO 720 X 540 X 206 MM

MINI EURO

STANDARD CABINETS
from 300 x 250 x 160
to 1000 x 800 x 340 mm



Ref.	Dir.
Solid door	Height
030202	300
040302	400
050402	500
060502	600
080603	800
081003	800
100803	1000

Ref.	Dir.
Solid door	Height
030202	300
040302	400
050402	500
060502	600
080603	800
081003	800
100803	1000



SPECIAL FEATURES THAT MAKE THE DIFFERENCE

- Door frame edging solely on left and right sides: increased cabling area.
- No lateral supports: increased cabling and drilling areas, as well as possibility for cut-outs on the sides.
- Fittings at the back of the cabinet for direct attachment of a DIN rail.
- Mounting brackets provided with every cabinet at no extra cost.

PROTECTION DEGREE IP66 / MECHANICAL IMPACT

RESISTANCE IK10

Cabinets specifically used to house electrical and electronic equipment in a corrosive environment. These cabinets are adapted for a range of uses and suit damp and corrosive environments both indoors and outside.

EXTREMELY RESISTANT TO CORROSION



Dimensions in mm		Mounting plate			Door window	Notched bars	Modular frame
Width	Depth	Full galvanised steel	Perforated galvanised steel	GRP			
250	160	PEM 0302	PEF 0302	PEP 0302	030303T	/	/
300	200	PEM 0403	PEF 0403	PEP 0403	040302T	PDP 200	CH 43
400	200	PEM 0504	PEF 0504	PEP 0504	050402T	PDP 200	CH 54
500	250	PEM 0605	PEF 0605	PEP 0605	060502T	PDP 250	CH 65
600	300	PEM 0806	PEF 0806	PEP 0806	080603T	PDP 300	CH 86
1000	340	PEM 0810	PEF 0810	PEP 0810	081003T	/	/
800	340	PEM 1008	PEF 1008	PEP 1008	100803T	/	/

Dimensions in mm		GRP cable entry plate	Key lock	Air grid	Pole fixing	32m stainless steel tape
Width	Depth					
250	160	PPC 0302	CL 1/..	DRG	FIX 0302	ROL 32
300	200	PPC 0403	CL 2/..	DRG	FIX 0403	ROL 32
400	200	PPC 0504	CL 2/..	DRG	FIX 0504	ROL 32
500	250	PPC 0605	CL 2/..	DRG	FIX 0605	ROL 32
600	340	PPC0806	CL 2/..	DRG	FIX 0810	ROL 32
1000	340	PPC 0810	CL 2/..	DRG	FIX 0806	ROL 32
800	340	PPC 1008	CL 2/...	DRG	/	/



MINI EURO
STANDARD CABINETS FROM 300 X 250 X 160 TO 1000 X 800 X 340 MM

MINI EURO

STANDARD CABINETS

from 300 x 250 x 160

to 1000 x 800 x 340 mm

Standard Mini Euro cabinets are provided with 2 "double bar" locks

(except ref. 030202 : 1 lock)

with the option to install any Ronis key locking system (eg. 1242E, 405, 455 etc.).

GRP awning

to avoid standing water above the door.

Insert and fittings: choose from different assembly methods at the back of the cabinet. 4 M6 pins for the installation of a frame, mounting plate with cap screw fittings to be directly attached to a DIN rail.

Polyurethane watertight sealant

fitted directly to the door.

Space for installation of

insters on the door, allowing rapid assembly of equipment.

¼ turn double bar locking system

Grid pattern on the door to facilitate marking and drilling.



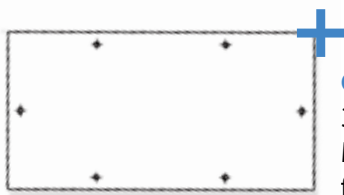
Standard delivery includes a set of **4 swivelling mounting brackets** at no extra cost.

Cast aluminium hinges separate from the watertight area of the cabinet. 2 hinges provided for cabinets' ref: 030202, 040302, 050402 and 3 hinges provided for cabinets' ref: 060502, 080603. Doors open to 180°.



TECHNICAL FEATURES

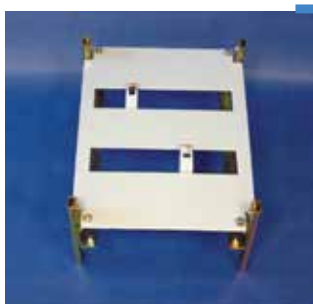
- Fibre-glass reinforced polyester cabinet
- Double insulated cabinet (classe II)
- Protection degree IP 66 (suivant norme EN 60529)
- Mechanical impact resistance IK 10 (complying with EN 62262 standard)
- Electrically insulating material
- Moisture resistant material
- Resistant to extreme temperatures (from -30° to + 120° C)
- Colour RAL 7035
- Reversible cabinet : opening on left or right sides



GRP cable entry plate: According to the dimensions of the cabinet, 3 sizes of cable entry plate are offered. Made out of GRP polyester, drilled and delivered with screws and plugs for installation at the bottom of the cabinet.



Pole fixing: 2 hot dipped galvanised steel fastenings allowing you to attach the cabinet to a beam, post or pole. Optional: stainless steel strip and tools to adjust and cut.



Modular frame: Consisting of DIN rail, installation system, stitched GRP face-plate. All of our modular frames are adjustable in terms of depth.



Notched bars: System using 4 C-type profiles to be installed on both sides of the cabinet, allowing you to adjust the position of the mounting plate depth-wise.



Door window: Anti-UV, anti scratch polycarbonate window. A double-lip sealant maintains the visual through the door whilst also maintaining the waterproofing of the cabinet.



Insulating GRP



Full sheet galvanised steel

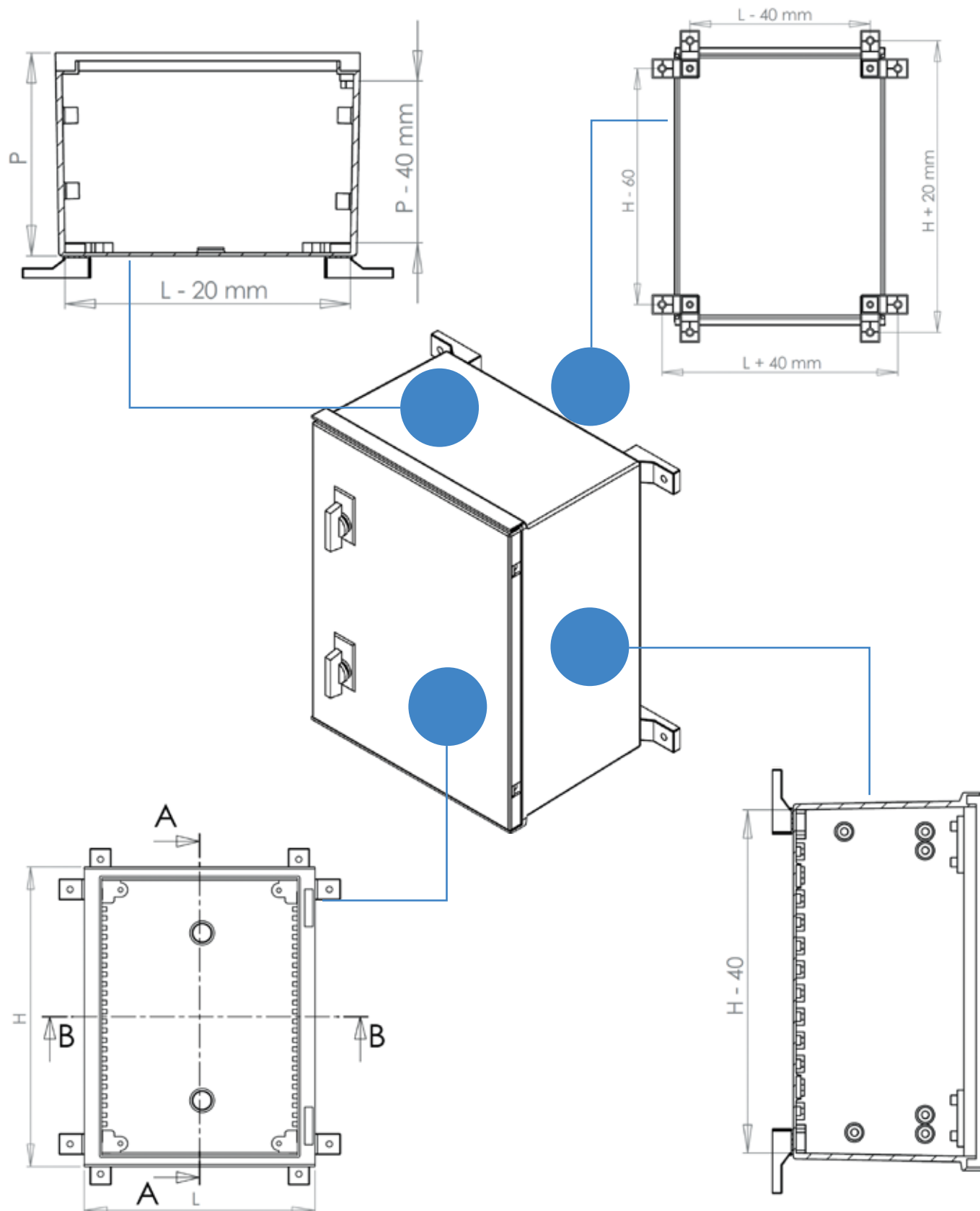


Micro-perforated galvanised steel

We offer 3 types of mounting plate: full sheet galvanised steel, perforated galvanised steel and full sheet GRP.

MINI EURO

STANDARD CABINETS
DIMENSIONS

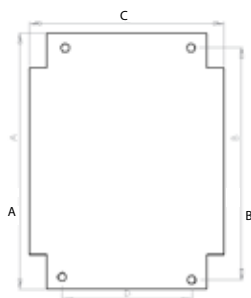


Cross-section A-A

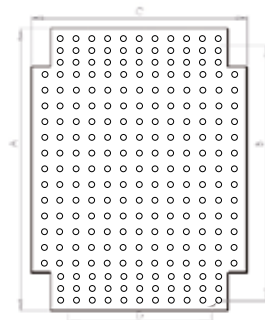


MOUNTING PLATE

Ref.	30202	40302	50402	60502	80603
A	254	359	461	555	754
B	233	338	440	536	735
C	213	260	360	451	555
D	157	210	310	406	505



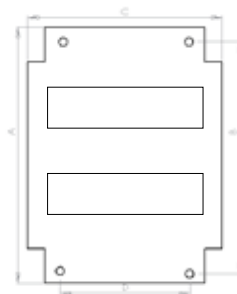
Full mounting plate



Micro-perforated mounting plate

MODULAR FRAME

Ref.	30202	40302	50402	60502	80603
Number of rows	-	2	3	3	4
Number of units per row	-	12	18	23	29
Total number of units	-	24	54	69	116



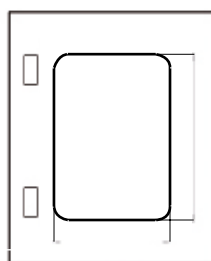
CABLE ENTRY PLATE

Ref.	Plate dimensions in mm	
	L	P
30202	170	100
40302	220	140
50402	350	140
60502	550	190
80603	550	190



DOOR WINDOW

Ref.	Window dimensions	
	L	P
30202	126	74
40302	226	126
50402	326	226
60502	426	326
80603	576	376



EURO MEDIUM

MODULAR ENCLOSURES
from 500 x 500 x 300
to 1250 x 2000 x 500 mm



SPECIAL FEATURES THAT MAKE THE DIFFERENCE

- No lateral supports - increased cabling and drilling areas, as well as possibility for cut-outs on the sides.
- A very large number of inserts at the back of the enclosure for direct attachment of your equipment.
- Invisible hinges, dismountable and adjustable door.
- Possibility of bringing together different standard-sized panels to produce more than 224 enclosures of different sizes.

PROTECTION DEGREE IP55/65 / MECHANICAL IMPACT RESISTANCE IK10

Specially designed enclosures for corrosive and/or outdoor environments. Electricity distribution, instrumentation, water treatment, pumping, automation, traffic control, telephony, video and lighting.

EXTREMELY RESISTANT TO CORROSION



EURO MEDIUM

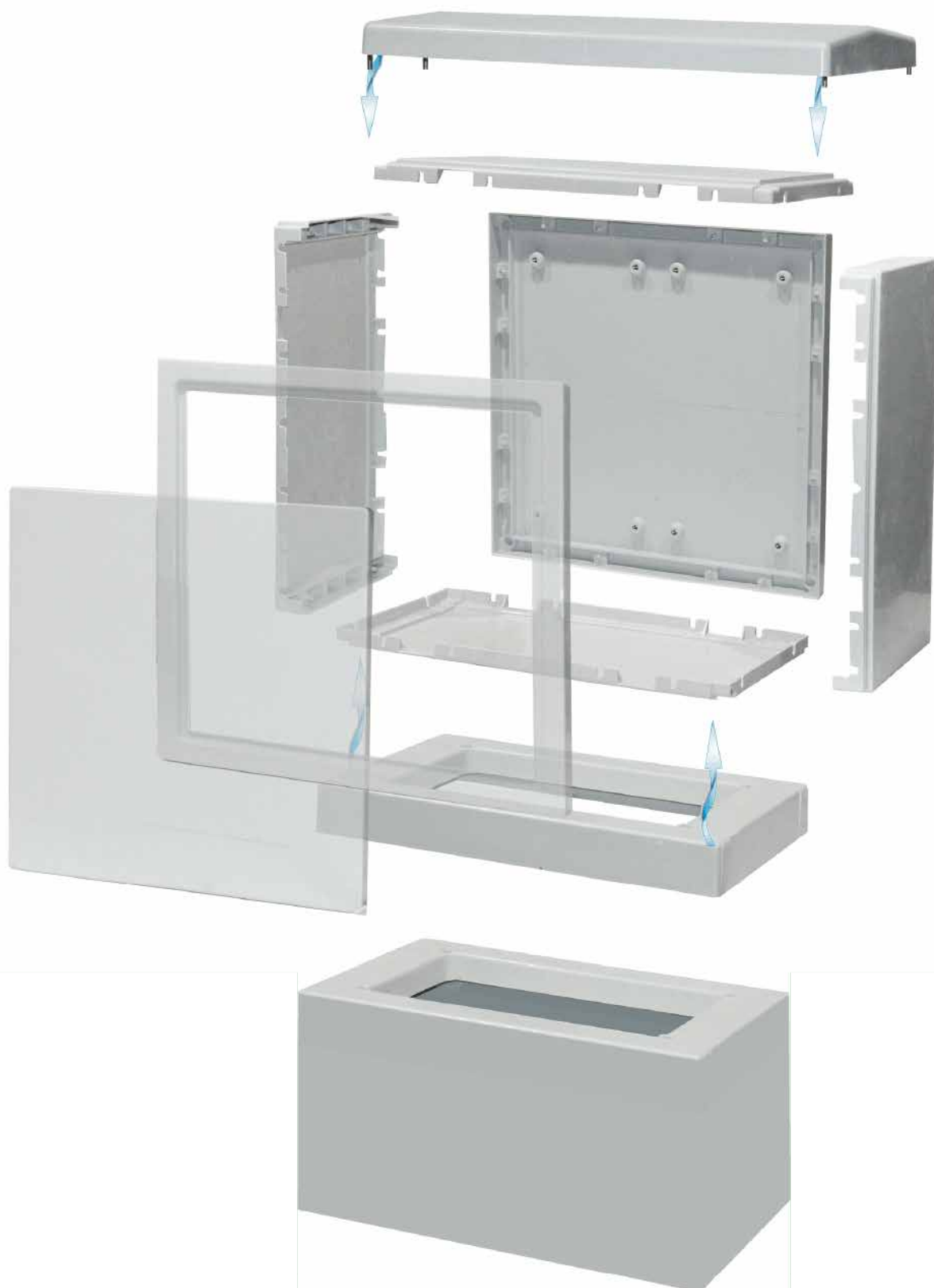
MODULAR ENCLOSURES FROM 500 X 500 X 300 TO 1250 X 2000 X 500 MM

Ref.	Dimensions in mm			Type	Mounting plate			Base height in mm					Door window	Internal door
	H	W	D		Full galvanised steel	Perforated galvanised steel	Full GRP	60	250	300	500	750 (buriable)		
300mm-deep enclosures														
050531TPBF	500	500	300	flat roofing bottom closed	PEM 0505	PEF 0505	PEP 0505	PS 0605	PS 2053	/	PS 5053	PS 7053	PV 0505	PI 0505
050531T2PBF				2 self-ventilated slopes bottom closed										
050531T2PBO				2 self-ventilated slopes bottom opened										
050731TPBF	500	750	300	flat roofing bottom closed	PEM 0507	PEF 0507	PEP 0507	PS 0607	PS 2073	/	PS 5073	PS 7073	PV 0507	PV 0507
050731T2PBF				2 self-ventilated slopes bottom closed										
050731T2PBO				2 self-ventilated slopes bottom opened										
051031TPBF	500	1000	300	flat roofing bottom closed	PEM 0510	PEF 0510	PEP 0510	PS 0610	PS 2103	/	PS 5103	PS 7103	PV 0710	PI 0710
051031T2PBF				2 self-ventilated slopes bottom closed										
051031T2PBO				2 self-ventilated slopes bottom opened										
051032TPBF	500	1000	300	flat roofing bottom closed	PEM 0505 x2	PEF 0505 x2	PEP 0505 x2	PS 0610	PS 2103	/	PS 5103	PS 7103	On request	
051032T2PBF				2 self-ventilated slopes bottom closed										
051032T2PBO				2 self-ventilated slopes bottom opened										
051232TPBF	500	1250	300	flat roofing bottom closed	PEM0507 + PEM0505	PEF0507 + PEF0505	PEP0507 + PEP0505	PS 0612	PS 2123	/	PS 5123	PS 7123		
051232T2PBF				2 self-ventilated slopes bottom closed										
051232T2PBO				2 self-ventilated slopes bottom opened										
051532TPBF	500	1500	300	flat roofing bottom closed	PEM 0507 x2	PEF 0507 x2	PEP 0507 x2	PS 0615	PS 2153	/	PS 5153	PS 7153		
051532T2PBF				2 self-ventilated slopes bottom closed										
051532T2PBO				2 self-ventilated slopes bottom opened										
051732TPBF	500	1750	300	flat roofing bottom closed	PEM0510 + PEM0507	PEF0510 + PEM0507	PEP0510 + PEP0507	PS 0617	PS 2173	/	PS 5173	PS 7173		
051732T2PBF				2 self-ventilated slopes bottom closed										
051732T2PBO				2 self-ventilated slopes bottom opened										
052032TPBF	500	2000	300	flat roofing bottom closed	PEM 0510 x2	PEF 0510 x2	PEP 0510 x2	PS 0620	PS 2203	/	PS 5203	PS 7203		
052032T2PBF				2 self-ventilated slopes bottom closed										
052032T2PBO				2 self-ventilated slopes bottom opened										
070531TPBF	750	500	300	flat roofing bottom closed	PEM 0705	PEF 0705	PEP 0705	PS 0605	PS 2053	/	PS 5053	PS 7053	PV 0705	PI 0705
070531T2PBF				2 self-ventilated slopes bottom closed										
070531T2PBO				2 self-ventilated slopes bottom opened										
070731TPBF	750	750	300	flat roofing bottom closed	PEM 0707	PEF 0707	PEP 0707	PS 0607	PS 2073	/	PS 5073	PS 7073	PV 0707	PI 0707
070731T2PBF				2 self-ventilated slopes bottom closed										
070731T2PBO				2 self-ventilated slopes bottom opened										
071031TPBF	750	1000	300	flat roofing bottom closed	PEM 0710	PEF 0710	PEP 0710	PS 0610	PS 2103	/	PS 5103	PS 7103	PV 0710	PI 0710
071031T2PBF				2 self-ventilated slopes bottom closed										
071031T2PBO				2 self-ventilated slopes bottom opened										
071032TPBF	750	1000	300	flat roofing bottom closed	PEM 0705 x2	PEF 0705 x2	PEP 0705 x2	PS 0610	PS 2103	/	PS 5103	PS 7103	On request	
071032T2PBF				2 self-ventilated slopes bottom closed										
071032T2PBO				2 self-ventilated slopes bottom opened										
071232TPBF	750	1250	300	flat roofing bottom closed	PEM0707 + PEM0705	PEF0707 + PEF0705	PEP0707 + PEP0705	PS 0612	PS 2123	/	PS 5123	PS 7123		
071232T2PBF				2 self-ventilated slopes bottom closed										
071232T2PBO				2 self-ventilated slopes bottom opened										
071532TPBF	750	1500	300	flat roofing bottom closed	PEM 0707 x2	PEF 0707 x2	PEP 0707 x2	PS 0615	PS 2153	/	PS 5153	PS 7153		
071532T2PBF				2 self-ventilated slopes bottom closed										
071532T2PBO				2 self-ventilated slopes bottom opened										
071732TPBF	750	1750	300	flat roofing bottom closed	PEM0710 + PEM0707	PEF0710 + PEM0707	PEP0710 + PEP0707	PS 0617	PS 2173	/	PS 5173	PS 7173		
071732T2PBF				2 self-ventilated slopes bottom closed										
071732T2PBO				2 self-ventilated slopes bottom opened										
072032TPBF	750	2000	300	flat roofing bottom closed	PEM 0710 x2	PEF 0710 x2	PEP 0710 x2	PS 0620	PS 2203	/	PS 5203	PS 7203		
072032T2PBF				2 self-ventilated slopes bottom closed										
072032T2PBO				2 self-ventilated slopes bottom opened										
100531TPBF	1000	500	300	flat roofing bottom closed	PEM 1005	PEF 1005	PEP 1005	PS 0605	PS 2053	/	PS 5053	PS 7053	PV 1005	PI 1005
100531T2PBF				2 self-ventilated slopes bottom closed										
100531T2PBO				2 self-ventilated slopes bottom opened										

Ref.	Dimensions in mm			Type	Mounting plate			Base height in mm					Door window	Internal door
	H	W	D		Full galvanised steel	Perforated galvanised steel	Full GRP	60	250	300	500	750 (buriable)		
300mm-deep enclosures														
100731TPBF	1000	750	300	flat roofing bottom closed	PEM 1007	PEF 1007	PEP 1007	PS 0605	PS 2073	/	PS 5073	PS 7073	PV 1007	PI 1007
100731T2PBF				2 self-ventilated slopes bottom closed										
100731T2PBO				2 self-ventilated slopes bottom opened										
101031TPBF	1000	1000	300	flat roofing bottom closed	PEM 1010	PEM 1010	PEM 1010	PS 0610	PS 2103	/	PS 5103	PS 7103	PV 1010	PI 1010
101031T2PBF				2 self-ventilated slopes bottom closed										
101031T2PBO				2 self-ventilated slopes bottom opened										
101231TPBF	1000	1250	300	flat roofing bottom closed	PEM1012	PEF1012	PEP1012	PS 0612	PS 2123	/	PS 5123	PS 7123	PV 1012	PI 1012
101231T2PBF				2 self-ventilated slopes bottom closed										
101231T2PBO				2 self-ventilated slopes bottom opened										
101032TPBF	1000	1000	300	flat roofing bottom closed	PEM 1005 x2	PEF 1005 x2	PEP 1005 x2	PS 0610	PS 2103	/	PS 5103	PS 7103	On request	2 doors
101032T2PBF				2 self-ventilated slopes bottom closed										
101032T2PBO				2 self-ventilated slopes bottom opened										
101232TPBF	1000	1250	300	flat roofing bottom closed	PEM1007 + PEM1005	PEF1007 + PEF1005	PEP1007 + PEF1005	PS 0612	PS 2123	/	PS 5123	PS 7123		
101232T2PBF				2 self-ventilated slopes bottom closed										
101232T2PBO				2 self-ventilated slopes bottom opened										
101532TPBF	1000	1500	300	flat roofing bottom closed	PEM 1007 x2	PEF 1007 x2	PEP 1007 x2	PS 0615	PS 2153	/	PS 5153	PS 7153		
101532T2PBF				2 self-ventilated slopes bottom closed										
101532T2PBO				2 self-ventilated slopes bottom opened										
101732TPBF	1000	1750	300	flat roofing bottom closed	PEM1010 + PEM1007	PEF1010 + PEM1007	PEP1010 + PEP1007	PS 0617	PS 2173	/	PS 5173	PS 7173		
101732T2PBF				2 self-ventilated slopes bottom closed										
101732T2PBO				2 self-ventilated slopes bottom opened										
102032TPBF	1000	2000	300	flat roofing bottom closed	PEM 1010 x2	PEF 1010 x2	PEP 1010 x2	PS 0620	PS 2203	/	PS 5203	PS 7203		
102032T2PBF				2 self-ventilated slopes bottom closed										
102032T2PBO				2 self-ventilated slopes bottom opened										
120531TPBF	1250	500	300	flat roofing bottom closed	PEM 1205	PEF 1205	PEP 1205	PS 0605	PS 2053	/	PS 5053	PS 7053	PV 1205	PI 1205
120531T2PBF				2 self-ventilated slopes bottom closed										
120531T2PBO				2 self-ventilated slopes bottom opened										
120731TPBF	1250	750	300	flat roofing bottom closed	PEM 1207	PEF 1207	PEP 1207	PS 0607	PS 2073	/	PS 5073	PS 7073	PV 1207	PI 1207
120731T2PBF				2 self-ventilated slopes bottom closed										
120731T2PBO				2 self-ventilated slopes bottom opened										
121031TPBF	1250	1000	300	flat roofing bottom closed	PEM 1210	PEF 1210	PEP 1210	PS 0610	PS 2103	/	PS 5103	PS 7103	PV 1210	PI 1210
121031T2PBF				2 self-ventilated slopes bottom closed										
121031T2PBO				2 self-ventilated slopes bottom opened										
121032TPBF	1250	1000	300	flat roofing bottom closed	PEM 1205 x2	PEF 1205 x2	PEP 1205 x2	PS 0610	PS 2103	/	PS 5103	PS 7103	On request	2 doors
121032T2PBF				2 self-ventilated slopes bottom closed										
121032T2PBO				2 self-ventilated slopes bottom opened										
121232TPBF	1250	1250	300	flat roofing bottom closed	PEM1207 + PEM1205	PEF1207 + PEF1205	PEP1207 + PEF1205	PS 0612	PS 2123	/	PS 5123	PS 7123		
121232T2PBF				2 self-ventilated slopes bottom closed										
121232T2PBO				2 self-ventilated slopes bottom opened										
121532TPBF	1250	1500	300	flat roofing bottom closed	PEM 1207 x2	PEF 1207 x2	PEP 1207 x2	PS 0615	PS 2153	/	PS 5153	PS 7153		
121532T2PBF				2 self-ventilated slopes bottom closed										
121532T2PBO				2 self-ventilated slopes bottom opened										
121732TPBF	1250	1750	300	flat roofing bottom closed	PEM1210 + PEM1207	PEF1210 + PEM1207	PEP1210 + PEP1207	PS 0617	PS 2173	/	PS 5173	PS 7173		
121732T2PBF				2 self-ventilated slopes bottom closed										
121732T2PBO				2 self-ventilated slopes bottom opened										
122032TPBF	1250	2000	300	flat roofing bottom closed	PEM 1210 x2	PEF 1210 x2	PEP 1210 x2	PS 0620	PS 2203	/	PS 5203	PS 7203		
122032T2PBF				2 self-ventilated slopes bottom closed										
122032T2PBO				2 self-ventilated slopes bottom opened										

	Ref.	Dimensions in mm			Type	Mounting plate			Base height in mm					Door window	Internal door
		H	W	D		Full galvanised steel	Perforated galvanised steel	Full GRP	60	250	300	500	750 (buriable)		
300mm-deep enclosures															
	050551TPBF	500	500	500	rounded roofing bottom closed	PEM 0505	PEF 0505	PEP 0505	/	/	PS 3055	/	/	PV 0505	PI 0505
	050751TPBF	500	750	500	rounded roofing bottom closed	PEM 0507	PEF 0507	PEP 0507	/	/	PS 3075	/	/	PV 0507	PI 0507
	051051TPBF	500	1000	500	rounded roofing bottom closed	PEM 0510	PEF 0510	PEP 0510	/	/	PS 3105	/	/	On request	
2 doors	051052TPBF	500	1000	500	rounded roofing bottom closed	PEM 0505 x2	PEF 0505 x2	PEP 0505 x2	/	/	PS 3105	/	/	On request	
	051252TPBF	500	1250	500	rounded roofing bottom closed	PEM0507 + PEM0505	PEF0507 + PEF0505	PEP0507 + PEP0505	/	/	PS 3125	/	/		
	051552TPBF	500	1500	500	rounded roofing bottom closed	PEM 0507 x2	PEF 0507 x2	PEP 0507 x2	/	/	PS 3155	/	/		
	051752TPBF	500	1750	500	rounded roofing bottom closed	PEM0510 + PEM0507	PEF0510 + PEF0507	PEP0510 + PEP0507	/	/	PS 3175	/	/		
	052052TPBF	500	2000	500	rounded roofing bottom closed	PEM 0510 x2	PEF 0510 x2	PEP 0510 x2	/	/	PS 3205	/	/		
	070551TPBF	750	500	500	rounded roofing bottom closed	PEM 0705	PEF 0705	PEP 0705	/	/	PS 3055	/	/	PV 0705	PI 0705
	070751TPBF	750	750	500	rounded roofing bottom closed	PEM 0707	PEF 0707	PEP 0707	/	/	PS 3075	/	/	PV 0707	PI 0707
	071051TPBF	750	1000	500	rounded roofing bottom closed	PEM 0710	PEF 0710	PEP 0710	/	/	PS 3105	/	/	PV 0710	PI 0710
2 doors	071052TPBF	750	1000	500	rounded roofing bottom closed	PEM 0705 x2	PEF 0705 x2	PEP 0705 x2	/	/	PS 3105	/	/	On request	
	071252TPBF	750	1250	500	rounded roofing bottom closed	PEM0707 + PEM0705	PEF0707 + PEF0705	PEP0707 + PEP0705	/	/	PS 3125	/	/		
	071552TPBF	750	1500	500	rounded roofing bottom closed	PEM 0707 x2	PEF 0707 x2	PEP 0707 x2	/	/	PS 3155	/	/		
	071752TPBF	750	1750	500	rounded roofing bottom closed	PEM0710 + PEM0707	PEF0710 + PEF0707	PEP0710 + PEP0707	/	/	PS 3175	/	/		
	072052TPBF	750	2000	500	rounded roofing bottom closed	PEM 0710 x2	PEF 0710 x2	PEP 0710 x2	/	/	PS 3205	/	/		
	100551TPBF	1000	500	500	rounded roofing bottom closed	PEM 1005	PEF 1005	PEP 1005	/	/	PS 3055	/	/	PV 1005	PI 1005
	100751TPBF	1000	750	500	rounded roofing bottom closed	PEM 1007	PEF 1007	PEP 1007	/	/	PS 3075	/	/	PV 1007	PI 1007
	101051TPBF	1000	1000	500	rounded roofing bottom closed	PEM 1010	PEF 1010	PEP 1010	/	/	PS 3105	/	/	PV 1010	PI 1010
2 doors	101052TPBF	1000	1000	500	rounded roofing bottom closed	PEM 1005 x2	PEF 1005 x2	PEP 1005 x2	/	/	PS 3105	/	/	On request	
	101252TPBF	1000	1250	500	rounded roofing bottom closed	PEM1007 + PEM1005	PEF1007 + PEF1005	PEP1007 + PEP1005	/	/	PS 3125	/	/		
	101552TPBF	1000	1500	500	rounded roofing bottom closed	PEM 1007 x2	PEF 1007 x2	PEP 1007 x2	/	/	PS 3155	/	/		
	101752TPBF	1000	1750	500	rounded roofing bottom closed	PEM1010 + PEM1007	PEF1010 + PEF1007	PEP1010 + PEP1007	/	/	PS 3175	/	/		
	102052TPBF	1000	2000	500	rounded roofing bottom closed	PEM 1010 x2	PEF 1010 x2	PEP 1010 x2	/	/	PS 3205	/	/		
	120551TPBF	1250	500	500	rounded roofing bottom closed	PEM 1205	PEF 1205	PEP 1205	/	/	PS 3055	/	/	PV 1205	PI 1205
	120751TPBF	1250	750	500	rounded roofing bottom closed	PEM 1207	PEF 1207	PEP 1207	/	/	PS 3075	/	/	PV 1207	PI 1207
	121051TPBF	1250	1000	500	rounded roofing bottom closed	PEM 1210	PEF 1210	PEP 1210	/	/	PS 3105	/	/	PV 1210	PI 1210
2 doors	121052TPBF	1250	1000	500	rounded roofing bottom closed	PEM 1205 x2	PEF 1205 x2	PEP 1205 x2	/	/	PS 3105	/	/	On request	
	121252TPBF	1250	1250	500	rounded roofing bottom closed	PEM1207 + PEM1205	PEF1207 + PEF1205	PEP1207 + PEP1205	/	/	PS 3125	/	/		
	121552TPBF	1250	1500	500	rounded roofing bottom closed	PEM 1207 x2	PEF 1207 x2	PEP 1207 x2	/	/	PS 3155	/	/		
	121752TPBF	1250	1750	500	rounded roofing bottom closed	PEM1210 + PEM1207	PEF1210 + PEF1207	PEP1210 + PEP1207	/	/	PS 3175	/	/		
	122052TPBF	1250	2000	500	rounded roofing bottom closed	PEM 1210 x2	PEF 1210 x2	PEP 1210 x2	/	/	PS 3205	/	/		

EUROMEDIUM ENCLOSURES' ASSEMBLY SYSTEM



EURO MEDIUM
MODULAR ENCLOSURES : ASSEMBLY SYSTEM

EURO MEDIUM

MODULAR ENCLOSURES

from 500 x 500 x 300

to 1250 x 2000 x 500 mm

Numerous M8 plug inserts on the inner back wall of the enclosure for you to attach a frame.

Electro-galvanised hinges which are invisible from the outside.

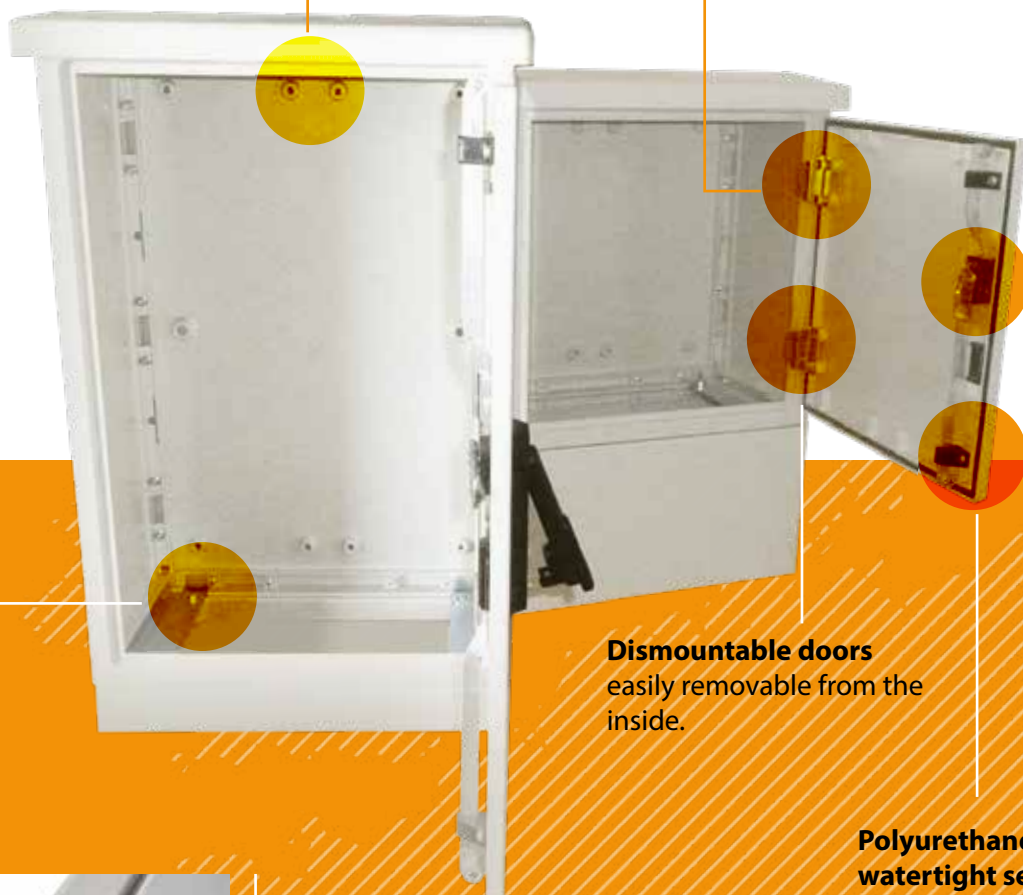
3-point locking system with retractable polyamide handle included.

4 embedded inserts on the outer back wall of the enclosure to allow it to be attached to a wall.

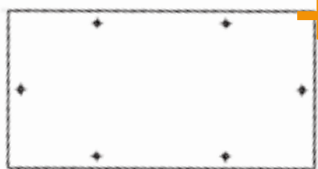
Dismountable doors easily removable from the inside.

Polyurethane watertight sealant fitted directly to the door.

Elevated door frame allowing the enclosure to be installed directly on the ground.



OPTIONS +



GRP cable entry plate with sealant.



Choice of bases:
Height of 60mm
Height of 250mm
Height of 300mm (solely for 500mm-deep enclosures)
Height of 500mm



For outdoor installations:
Auto-ventilated double-pitched roof with anti-insect grill.



Front and back doors



19" rack:
Fixed positioning according to your needs or adjustable in terms of depth.



Door window
choose its dimensions and positioning that suit your needs.



Insulating GRP



Full galvanised steel



Perforated galvanised steel

We offer 3 types of mounting plates: full sheet galvanised steel, perforated galvanised steel and full sheet GRP.



Internal door:
entirely made of GRP

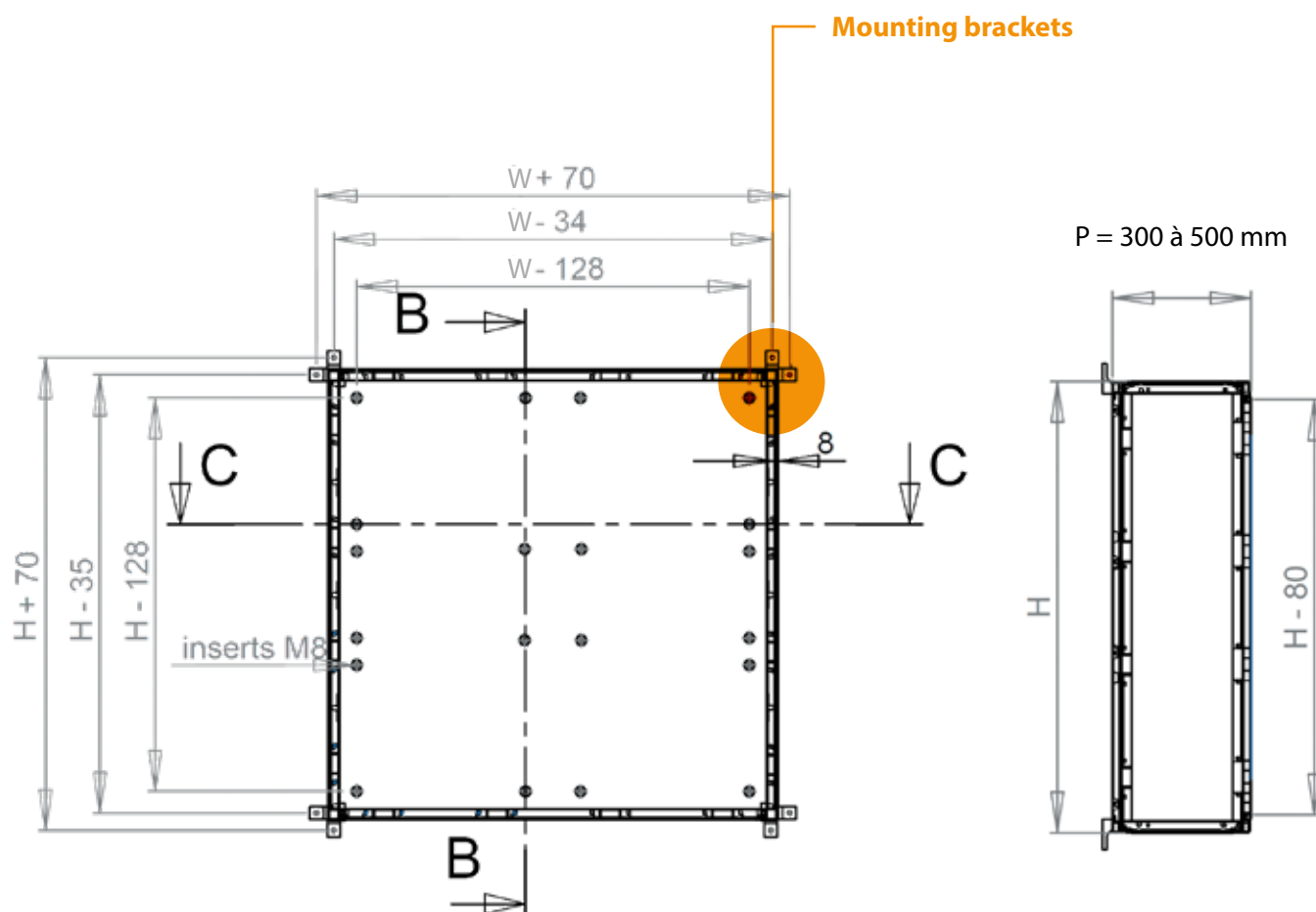
EURO MEDIUM

MODULAR ENCLOSURES FROM 500X500X300MM TO 1250X2000X500MM

EURO MEDIUM

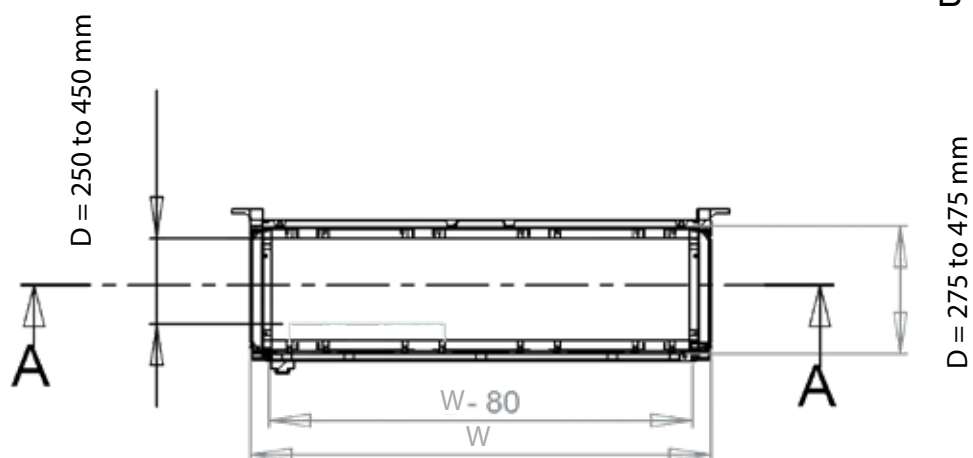
MODULAR ENCLOSURES

DIMENSIONS AND DRAWINGS



A-A (1:15)

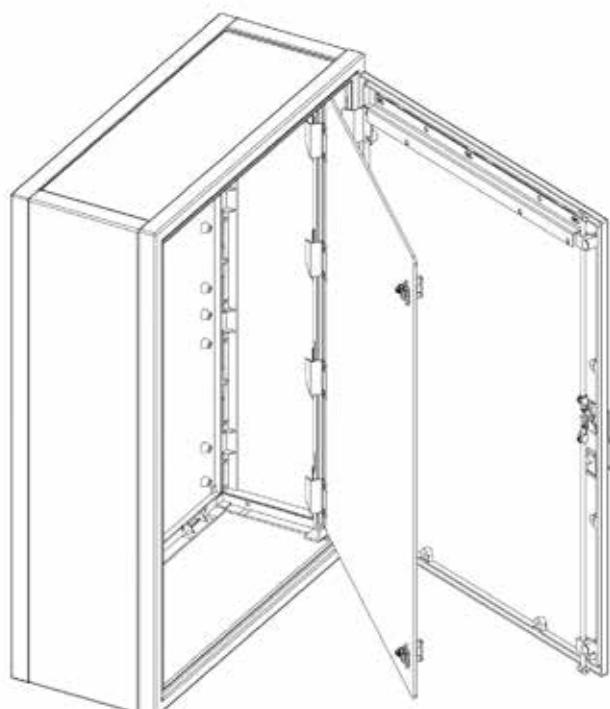
B-B (1:15)



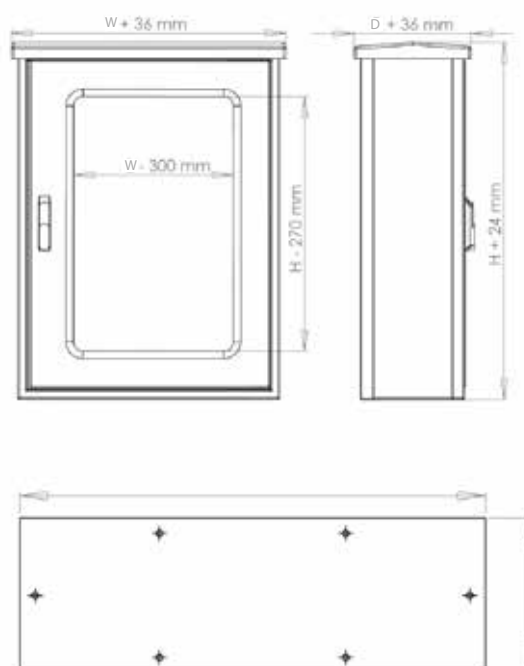
D-D (1:15)



Internal door



Roofing / door window



Cable entry plate

Cable entry plate		
Depth of the enclosure	Depth of the plate	Width of the plate
300	100	300
500	200	500

We offer 3 types of mounting plate:

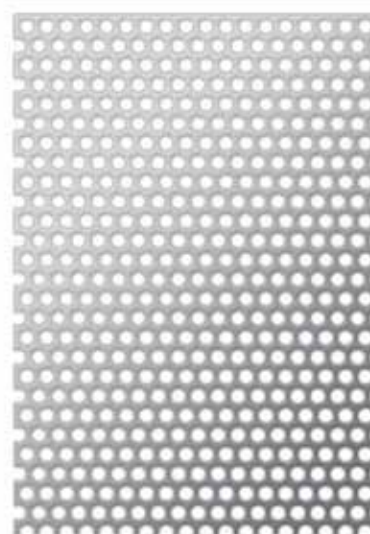
full galvanised steel, micro-perforated galvanised steel and full sheet GRP.



Insulating GRP



Full galvanised steel



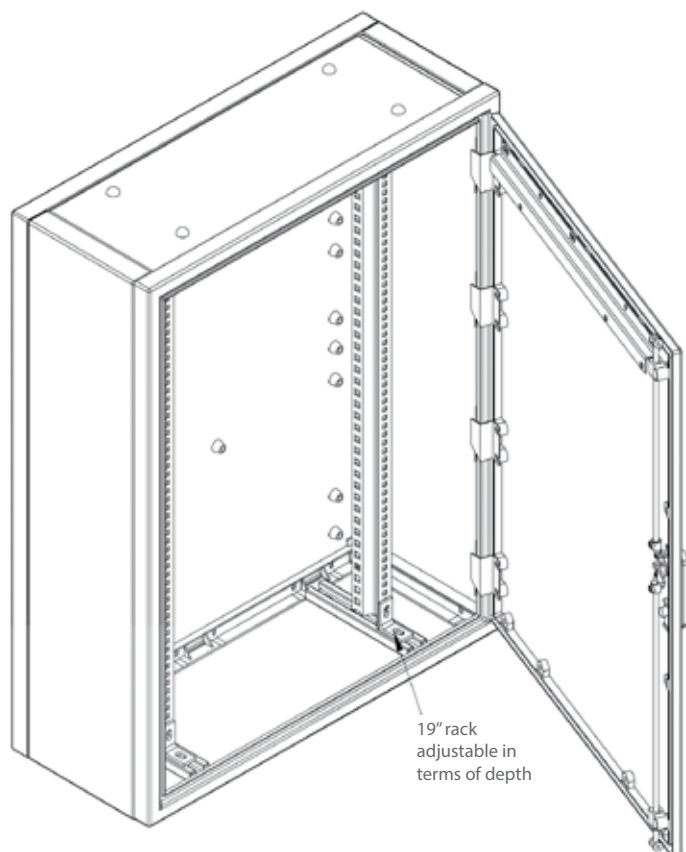
Perforated galvanised steel

EURO MEDIUM

MODULAR ENCLOSURES

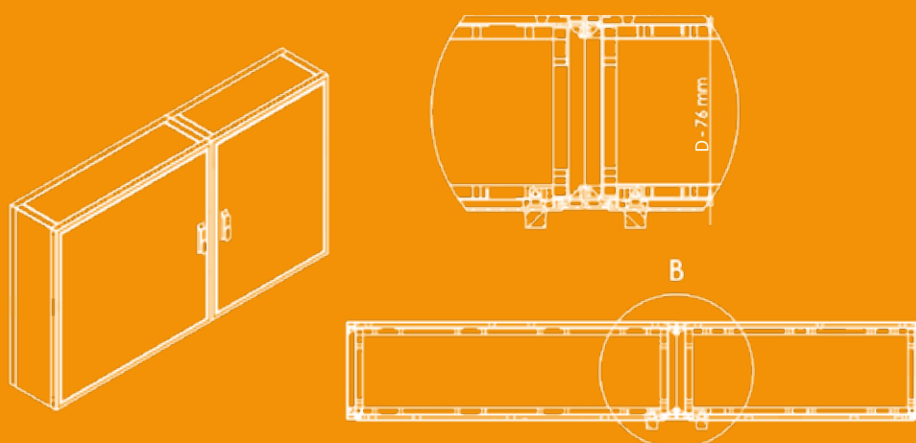
OPTIONS

19" rack: fixed position or adjustable in terms of depth



ENCLOSURES' ASSEMBLY

Thanks to our modular system it is possible to assemble one or several identical or different enclosures. We also offer ready-assembled or "flat-pack" enclosures with front and back doors.





MAXI EURO 1500

MEDIUM-SIZED ENCLOSURES

from 1200 x 750 x 400

to 1600 x 3000 x 600 mm



WE OFFER TWO SOLUTIONS

Standard Enclosures (ST)

Special Enclosures (SP)

SPECIAL FEATURES THAT MAKE THE DIFFERENCE

Enclosure entirely made out of anti-corrosive fibreglass reinforced polyester

Gel Coat finish + textured polyurethane, anti-poster coating with strong UV resistance

Polyester coating guarantee : 10 years

Protection degree : IP65 / IK10

Integrated rain awning

ADVANTAGES ACCORDING TO THE CHOSEN ENCLOSURE

Possibility for the clients to assemble the enclosure on their own – 2/3/4 modules

Enclosures assembled in the factory – Monobloc enclosures – 2/3/4 modules

Delivery time for available enclosures: 48h / 72h

Optional accessories available which can be easily integrated by the client

Customizable enclosures adapted to your needs – support heavy loads, integrate options in the factory, assembly dedicated to your applications

Competitive prices, even in comparison with steel enclosures

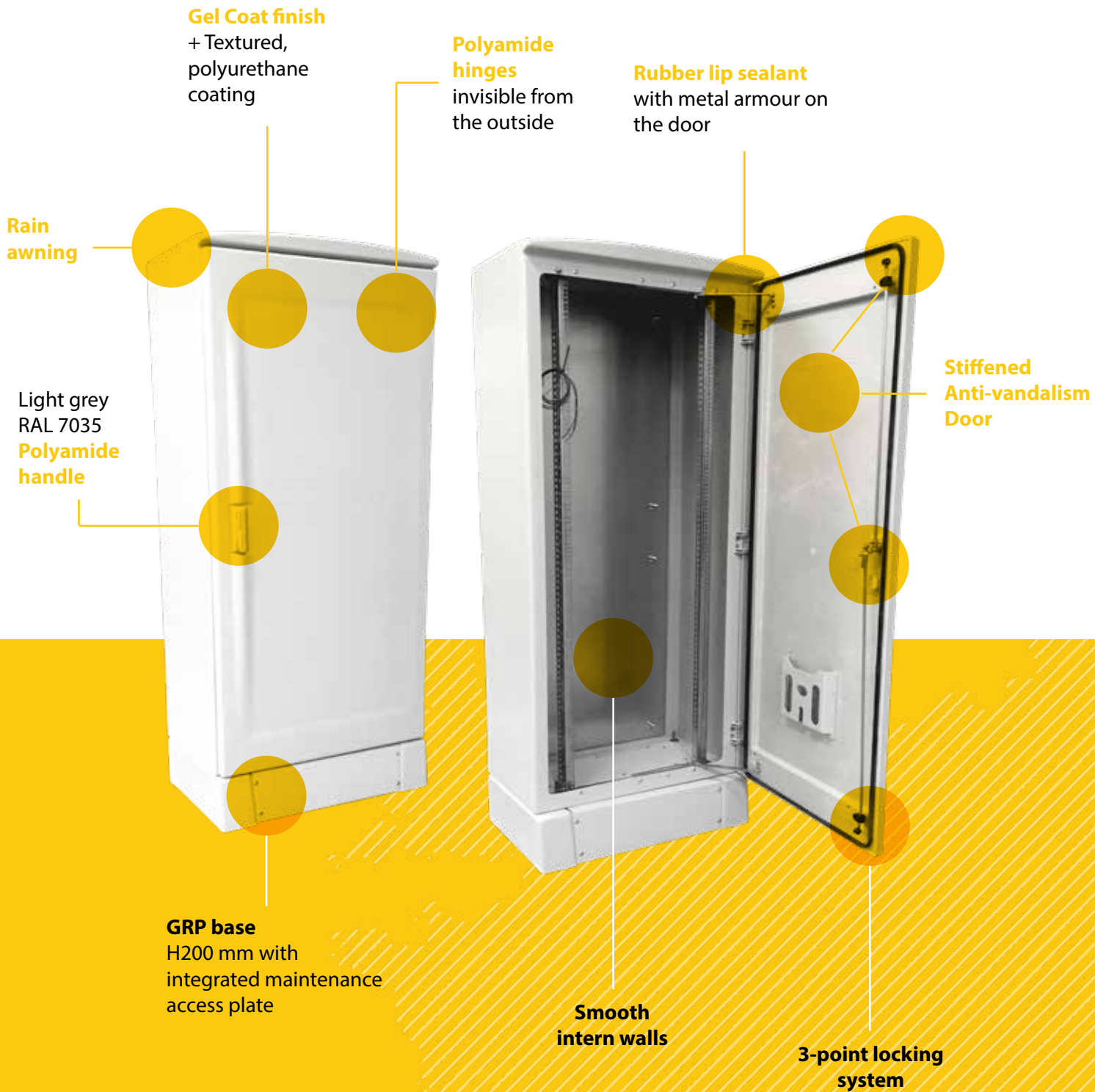


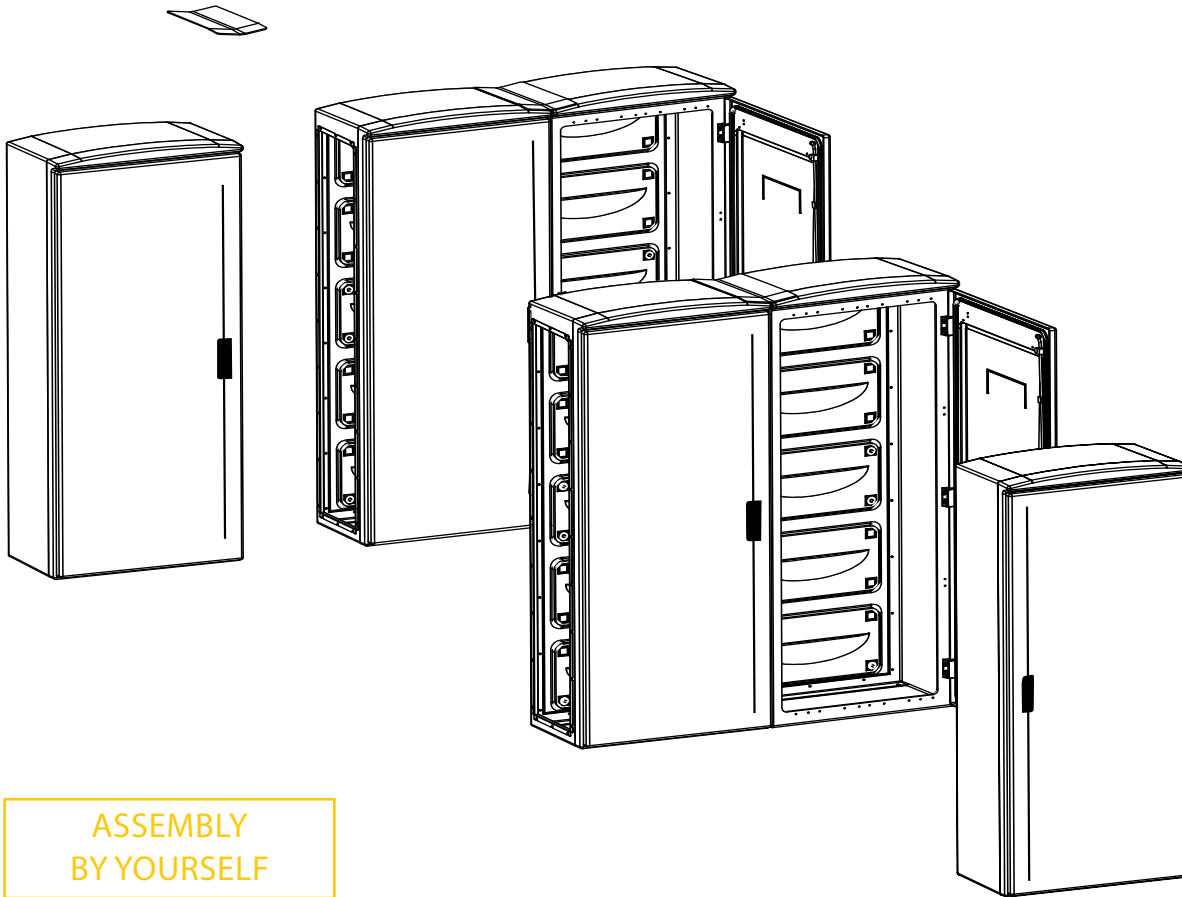
MAXI EURO 1500

MEDIUM-SIZED ENCLOSURES FROM 1200 X 750 X 400 TO 1600X3000X600 MM

MAXI EURO 1500 ST

MEDIUM-SIZED ENCLOSURES
STANDARD





ASSEMBLY
BY YOURSELF

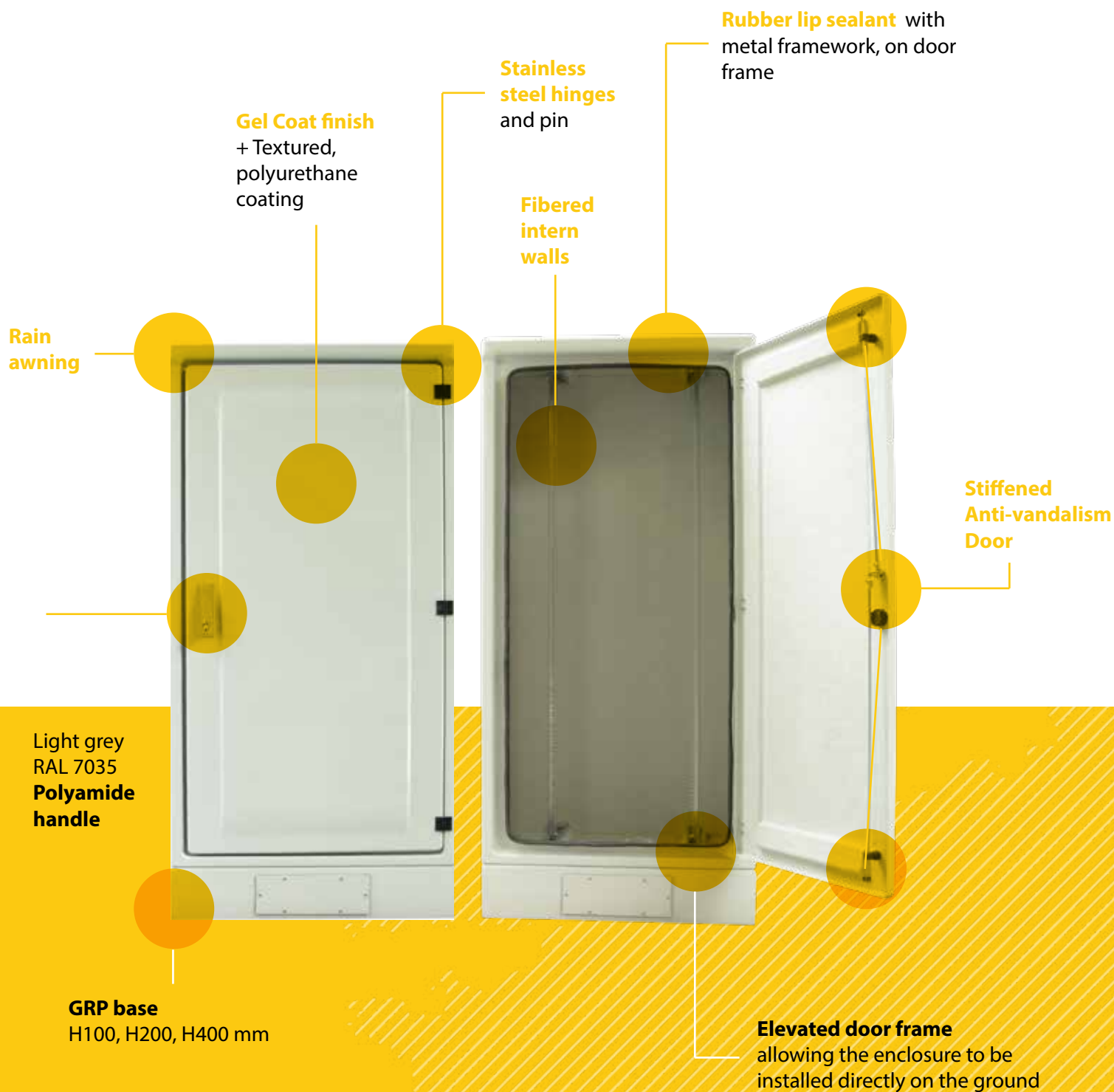
MAXI EURO ST

- Standard enclosures to be assembled easily with a provided assembly kit (possibility to assemble the enclosures in the factory as well)
- Infinite number of modules!
- IP65 / IK10 guarantee ; light grey RAL 7035 colour, other colours possible on request
- Right or left opening doors
- External textured polyurethane coating
- Internal smooth coating

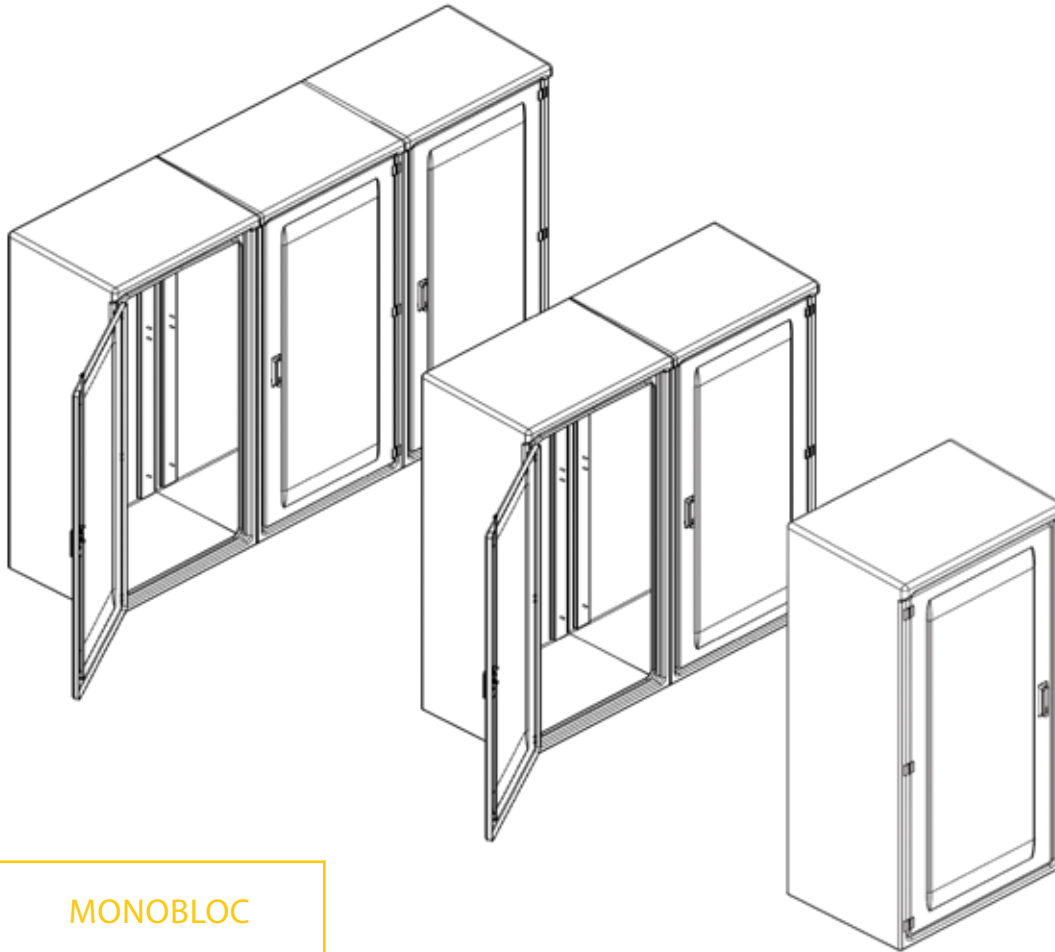
MAXI EURO 1500 ST
MEDIUM-SIZED STANDARD ENCLOSURES

MAXI EURO 1500 SP

MEDIUM-SIZED ENCLOSURES
SPECIAL



8 M6 pins on the back of the enclosure, allowing the installation of a mounting plate.



MONOBLOC

MAXI EURO SP

- Special monobloc enclosures assembled in the factory
- Maximum number of modules : 6 to 7
- IP65 / IK10 guarantee ; light grey RAL 7035 colour, other colours possible on request
- Right and left opening doors
- External textured polyurethane coating
- Internal fibered coating

MAXI EURO 1500 SP
MEDIUM-SIZED SPECIAL ENCLOSURES

MAXI EURO 1500

MEDIUM-SIZED ENCLOSURES STANDARD

Dimensions in mm			Number of doors	Ref.									
H	W	D		2 doors	Reference	Assembly kit side to side	Assembly kit rear to rear	Full-galvanised steel mounting plate	Perforated galvanised steel mounting plate	GRP mounting plate	Base height 200mm	GRP Cable entry plate	Door window
1500	750	430 630	1 1	/	MX ST 150741 MX ST 150761	KASSL430 KASSL600	KASSF750 KASSF750	ST PEM 1507	ST PEF 1507	ST PEP 1507	ST S 020704 ST S 020706	ST PPC 1507	ST V 1507
	1000	430 630	1 1	/	MX ST 151041 MX ST 151061	KASSL430 KASSL600	KASSF1000 KASSF1000	ST PEM 1510	ST PEF 1510	ST PEP 1510	ST S 021004 ST S 021006	ST PPC 1510	ST V 1510
	1250	430 630	1 1	/	MX ST 151241 MX ST 151261	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1512	ST PEF 1512	ST PEP 1512	ST S 021204 ST S 021206	ST PPC 1512	ST V 1512
	1250	430 630	2 2	Without central stand	MX ST 151242BB MX ST 151262BB	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1512	ST PEF 1512	ST PEP 1512	ST S 021204 ST S 021206	ST PPC 1512	ST V 1506
	1250	430 630	2 2	Closing on central stand	MX ST 151242MC MX ST 151262MC	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1506*2	ST PEF 1506*2	ST PEP 1506*2	ST S 021204 ST S 021206	ST PPC 1512	ST V 1506

Dimensions in mm			Number of doors	Ref.			
H	W	D		2 doors	Reference	Internal door	Insulated by polyurethane foam
1500	750	430 630	1 1	/	MX ST 150741 MX ST 150761	ST PI1507 ST PI1507	ST MPU150741 ST MPU150761
	1000	430 630	1 1	/	MX ST 151041 MX ST 151061	ST PI1510 ST PI1510	ST MPU151041 ST MPU151061
	1250	430 630	1 1	/	MX ST 151241 MX ST 151261	ST PI1512 ST PI1512	ST MPU151241 ST MPU151261
	1250	430 630	2 2	Without central stand	MX ST 151242BB MX ST 151262BB	ST PI1512 ST PI1512	ST MPU151242BB ST MPU151262BB
	1250	430 630	2 2	Closing on central stand	MX ST 151242MC MX ST 151262MC	On request	ST MPU151242MC ST MPU151262MC

Most requested accessories for ST and SP enclosures

15" Rack		Door contact		Door stop		Lighting			
For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	Lifting lugs	Document storage
ST CH15	SP CH15	ST CONTI	SP CONTI	ST BLP	SP BLP	ST ECL 60	SP ECL 60	Reference: depends on quantity	POCH4

MAXI EURO 1500

MEDIUM-SIZED ENCLOSURES

SPECIAL



Dimensions in mm			Number of doors							
H	W	D		Reference	Full-galvanised steel mounting plate	Perforated galvanised steel mounting plate	Base	GRP cable entry plate	Door window	Insulated by polyurethana foam
1200	750	400	1	MX SP 120741	SP PEM 1207	SP PEF 1207	SP S 020741	SP PPC1207	SP V 1207	SP MPU120741
		600	1	MX SP 120761			SP S 020761			SP MPU120761
		800	1	MX SP 120781			SP S 020781			SP MPU120781
	1000	400	1	MX SP 121041	SP PEM 1210	SP PEF 1210	SP S 021041	SP PPC1210	SP V 1210	SP MPU121041
		600	1	MX SP 121061			SP S 021061			SP MPU121061
		800	1	MX SP 121081			SP S 021081			SP MPU121081
	1200	400	2	MX SP 121242	SP PEM 1212	SP PEF 1212	SP S 021242	SP PPC1212	SP V 1206*2	SP MPU121242
		600	2	MX SP 121262			SP S 021262			SP MPU121262
	1500	400	2	MX SP 121542	SP PEM 1215	SP PEF 1215	SP S 021542	SP PPC1215	SP15 V 1207*2	SP MPU121542
		600	2	MX SP 121562			SP S 021562			SP MPU121562
		800	2	MX SP 121582			SP S 021582			SP MPU121582
	1750	400	2	MX SP 121742	SP PEM 1217	SP PEF 1217	SP S 021742	SP PPC1217	Sur demande	SP MPU121742
		600	2	MX SP 121762			SP S 021762			SP MPU121762
		800	2	MX SP 121782			SP S 021782			SP MPU121782
	2000	400	2	MX SP 122042	SP PEM 1220	SP PEF 1220	SP S 022042	SP PPC1220	SP15 V 1210*2	SP MPU122042
		600	2	MX SP 122062			SP S 022062			SP MPU122062
		800	2	MX SP 122082			SP S 022082			SP MPU122082
1500	600	400	1	MX SP 150641	SP PEM 1506	SP PEF 1506	SP S 020641	SP PPC1506	SP15 V 1506	SP MPU150641
		600	1	MX SP 150661			SP S 020661			SP MPU150661
	1200	400	1	MX SP 151241	SP PEM 1512	SP PEF 1512	SP S 021241	SP PPC1512	SP15 V 1512	SP MPU151241
		600	1	MX SP 151261			SP S 021261			SP MPU151261
		800	1	MX SP 151281			SP S 021281			SP MPU151281
		1100	1	MX SP 1512111			SP S 0212101			SP MPU1512111
		400	2	MX SP 151242	SP PEM 1506*2	SP PEF 1506*2	SP S 021242	SP PPC1506*2	SP15 V 1506*2	SP MPU151242
		600	2	MX SP 151262			SP S 021262			SP MPU151262
		800	2	MX SP 151282			SP S 021281			SP MPU151282
		1100	2	MX SP 1512112			SP S 0212102			SP MPU1512112
	2400	400	2	MX SP 152442	SP PEM 1512*2	SP PEF 1512*2	SP S 022442	SP PPC 1512*2	SP15 V 1512*2	SP MPU152442
		600	2	MX SP 152462			SP S 022462			SP MPU152462
		800	2	MX SP 152482			SP S 022482			SP MPU152482
		1100	2	MX SP 1524112			SP S 0224102			SP MPU1524112
		400	4	MX SP 152444	SP PEM 1506*4	SP PEF 1506*4	SP S 022444	SP PPC1506*4	SP15 V 1506*4	SP MPU152444
		600	4	MX SP 152464			SP S 022464			SP MPU152464
		800	4	MX SP 152484			SP S 022484			SP MPU152484
		1110	4	MX SP 1524114			SP S 0224104			SP MPU1524114
1600	1000	400	1	MX SP 161041	SP PEM 1610	SP PEF 1610	SP S 021041	SP PPC1610	SP15 V 1610	SP MPU161041
		600	1	MX SP 161061			SP S 021061			SP MPU161061
	2000	400	2	MX SP 162042	SP PEM 1610*2	SP PEF 1610*2	SP S 022042	SP PPC1610*2	SP15 V 1610*2	SP MPU162042
		600	2	MX SP 162062			SP S 022062			SP MPU162062

MAXI EURO 1500

MEDIUM-SIZED ENCLOSURES
CERTIFICATION

ENCLOSURE CERTIFICATION

Protection degree against penetration of solid and liquid bodies:
IP65 according to the EN60529 standard

Resistance to mechanical impacts:
IK10 according to the EN62262 standard

Fire resistance, test with incandescent wire (960°C)
According to the CEI-60.695-2-11 standard

Electrical insulation class II
According to the IEC61439-1 standard

Dielectric strength
According to the EN 61439-1 standard

Ageing and UV resistance
In accordance with ISO 4892-2, ISO 178 and ISO 179 standards

Heat Resistance
In accordance with CEI 60068-2-2 standard

COMPANY'S CERTIFICATION

ISO 9001 - 2008, n°141107-C1238
Certification carried out by BCS

OPTIONS+



Front / Back door



Door stop



Door contact
with opening or closing position or double contact.



15" Rack
Fixed position or adjustable in terms of depth, according to your needs.



Internal GRP door



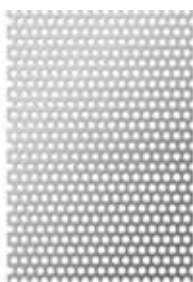
GRP cable entry plate
with sealant.



Insulating GRP



Full galvanised steel



Micro-perforated galvanised steel

+ We offer 3 types of mounting plates: full galvanised steel, micro-perforated galvanised steel and full GRP.

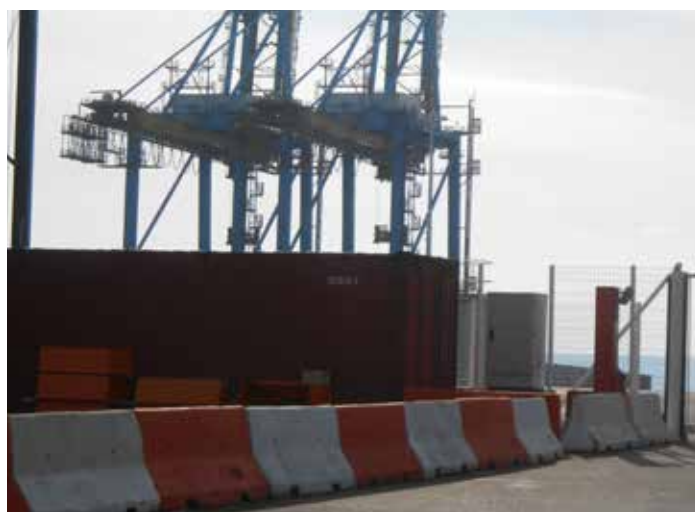


Door window
with the dimensions and positioning that suit your needs

MAXI EURO 1500
MIDDLE-SIZED ENCLOSURES : OPTIONS

MAXI EURO 1500

MIDDLE-SIZED ENCLOSURES :
PICTURES





MAXI EURO 1500

MIDDLE-SIZED ENCLOSURES : PICTURES

MAXI EURO 1900

LARGE ENCLOSURES

from 1800 x 600 x 430

to 1900 x 5325 x 1000 mm



WE OFFER TWO SOLUTIONS

Standard Enclosures (ST)

Special Enclosures (SP)

SPECIAL FEATURES THAT MAKE THE DIFFERENCE

Enclosure entirely made out of anti-corrosive fibreglass reinforced polyester

Gel Coat finish + textured polyurethane, anti-poster coating with strong UV resistance

Polyester coating guarantee : 10 years

Protection degree : IP65 / IK10

Integrated rain awning

ADVANTAGES ACCORDING TO THE CHOSEN ENCLOSURE

Possibility for the clients to assemble the enclosure on their own – 2/3/4 modules

Enclosures assembled in the factory – Monobloc enclosures – 2/3/4 modules

Delivery time for available enclosures: 48h / 72h

Optional accessories available which can be easily integrated by the client

Customizable enclosures adapted to your needs – support heavy loads, integrate options in the factory, assembly dedicated to your applications

Competitive prices, even in comparison with steel enclosures



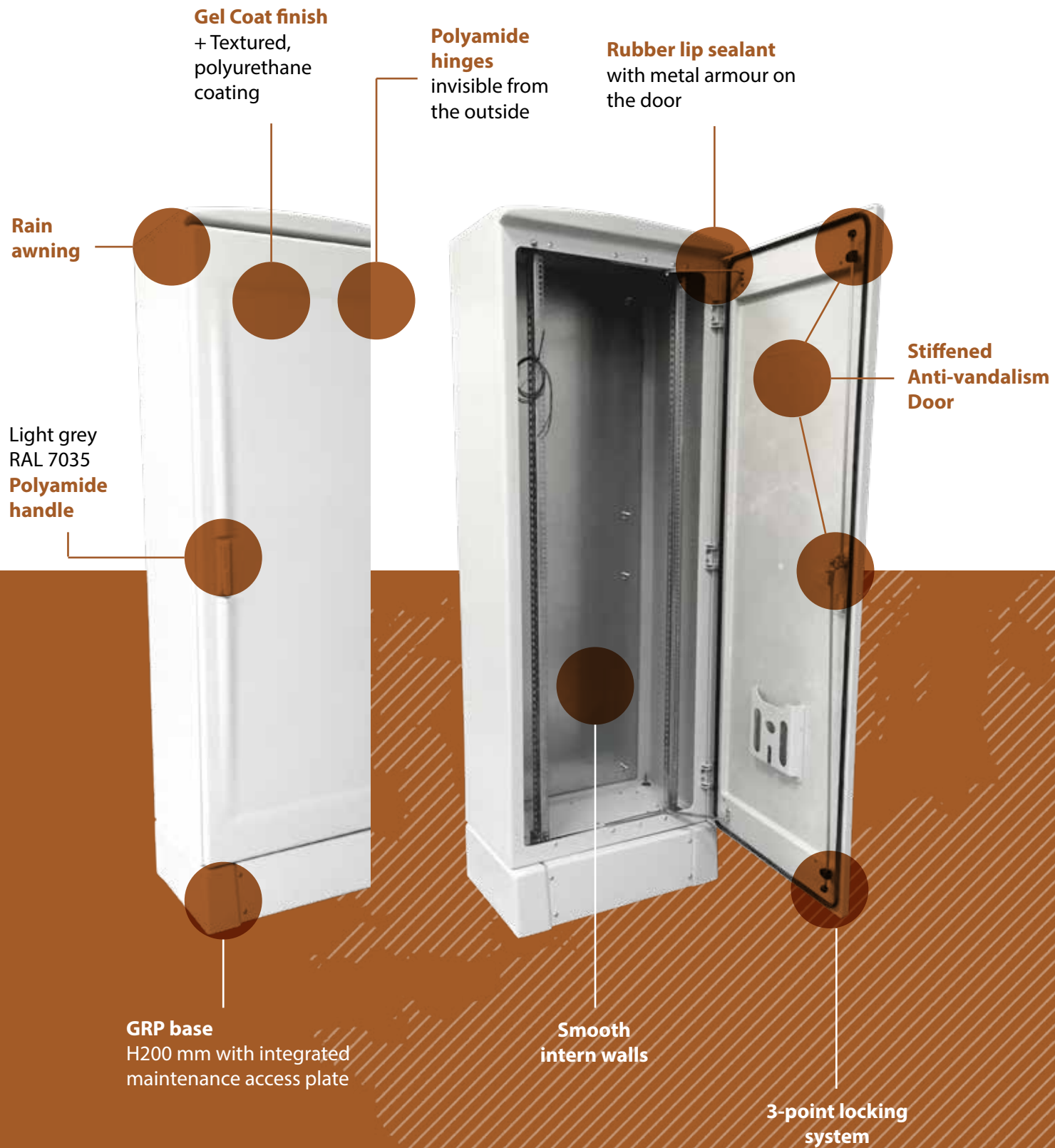


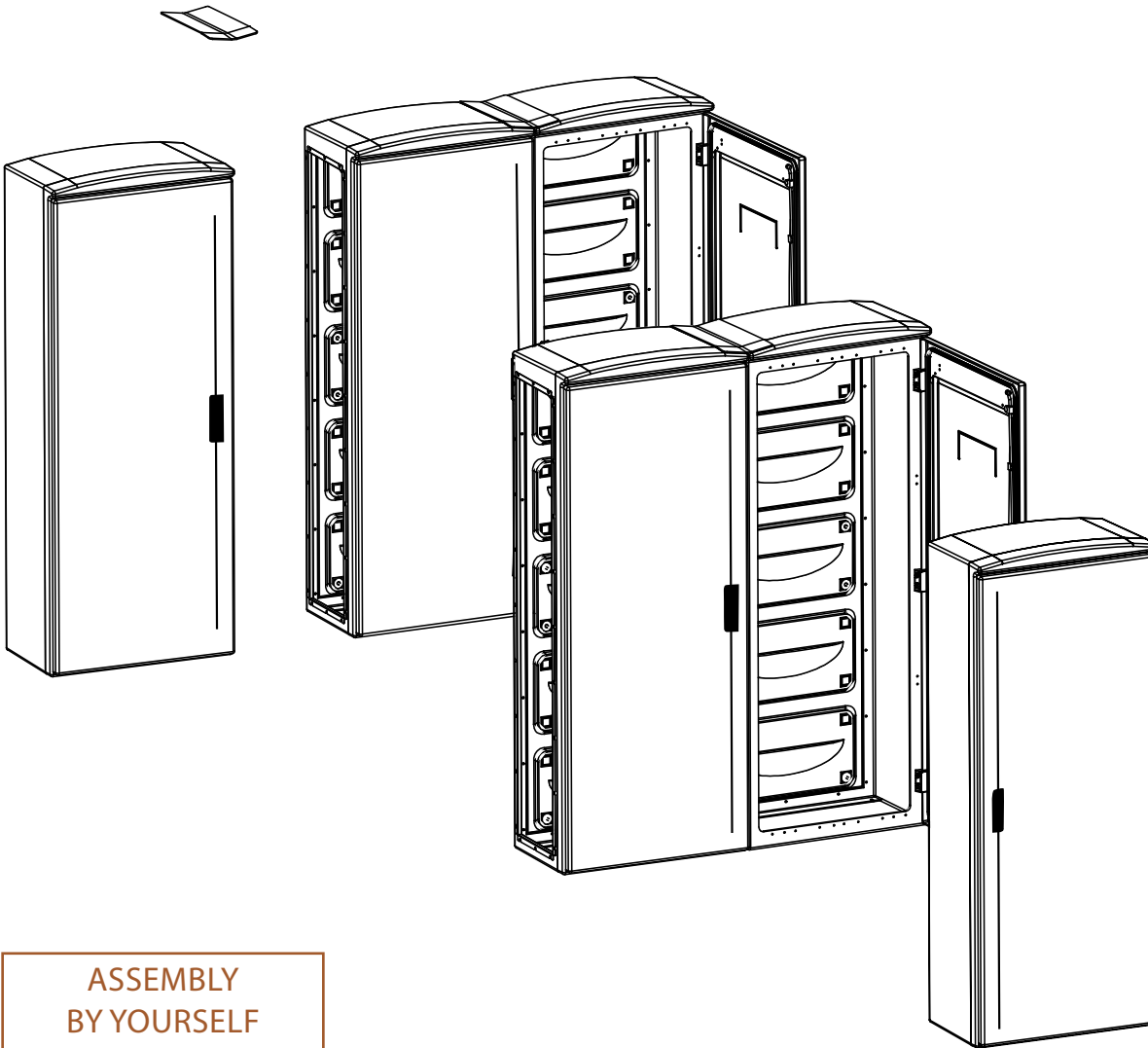
MAXI EURO 1900
LARGE ENCLOSURES FROM 1800 X 600 X 430 TO 1900 X 5325 X 1000 MM

MAXI EURO 1900 ST

LARGE ENCLOSURES

STANDARD





ASSEMBLY
BY YOURSELF

MAXI EURO ST

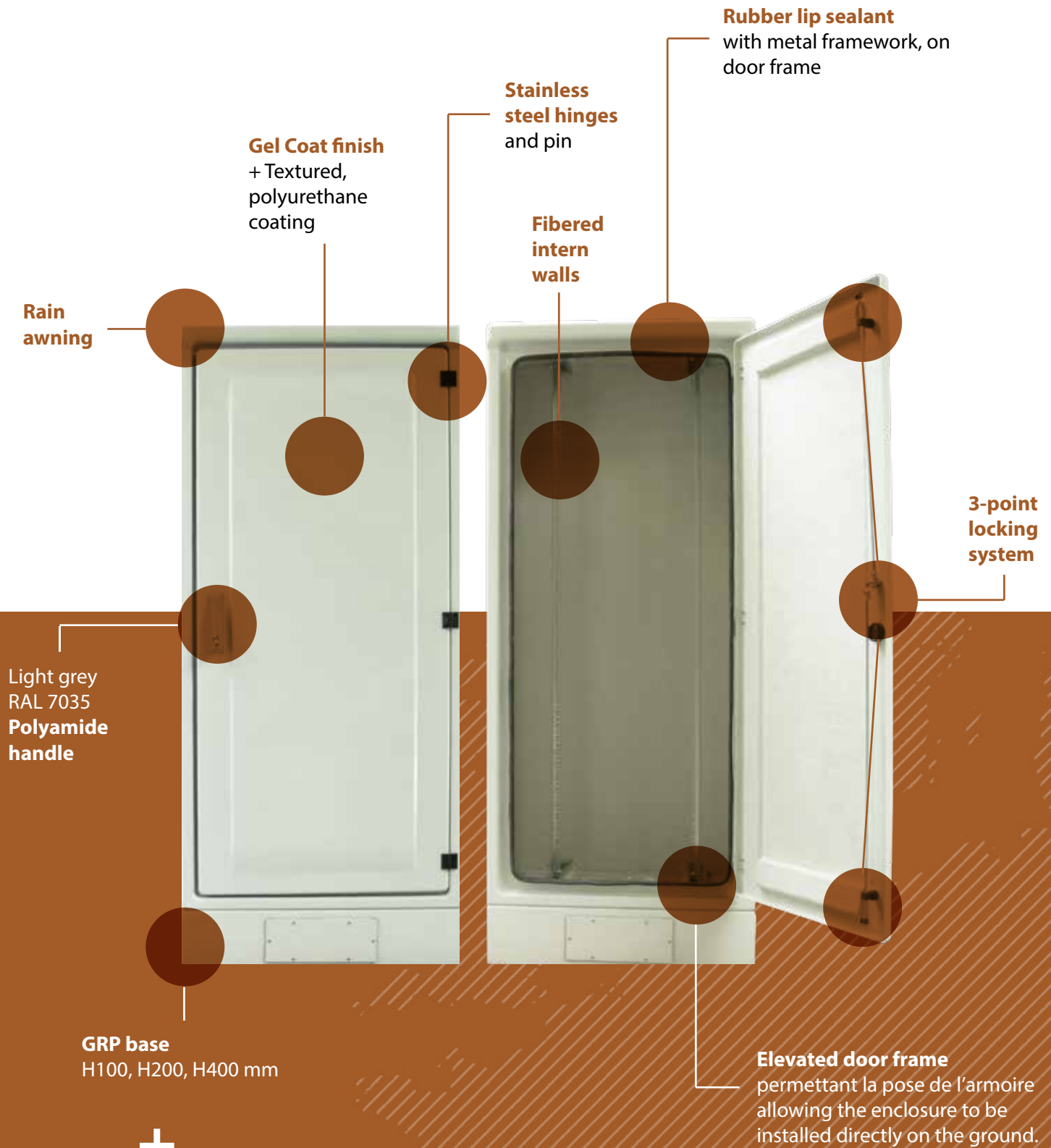
- Standard enclosures to be assembled easily with a provided assembly kit (possibility to assemble the enclosures in the factory as well)
- Infinite number of modules !
- IP65 / IK10 guarantee ; light grey RAL 7035 colour, other colours possible on request
- Right or left opening doors
- External textured polyurethane coating
- Internal smooth coating

MAXI EURO 1900 **ST**
LARGE STANDARD ENCLOSURES

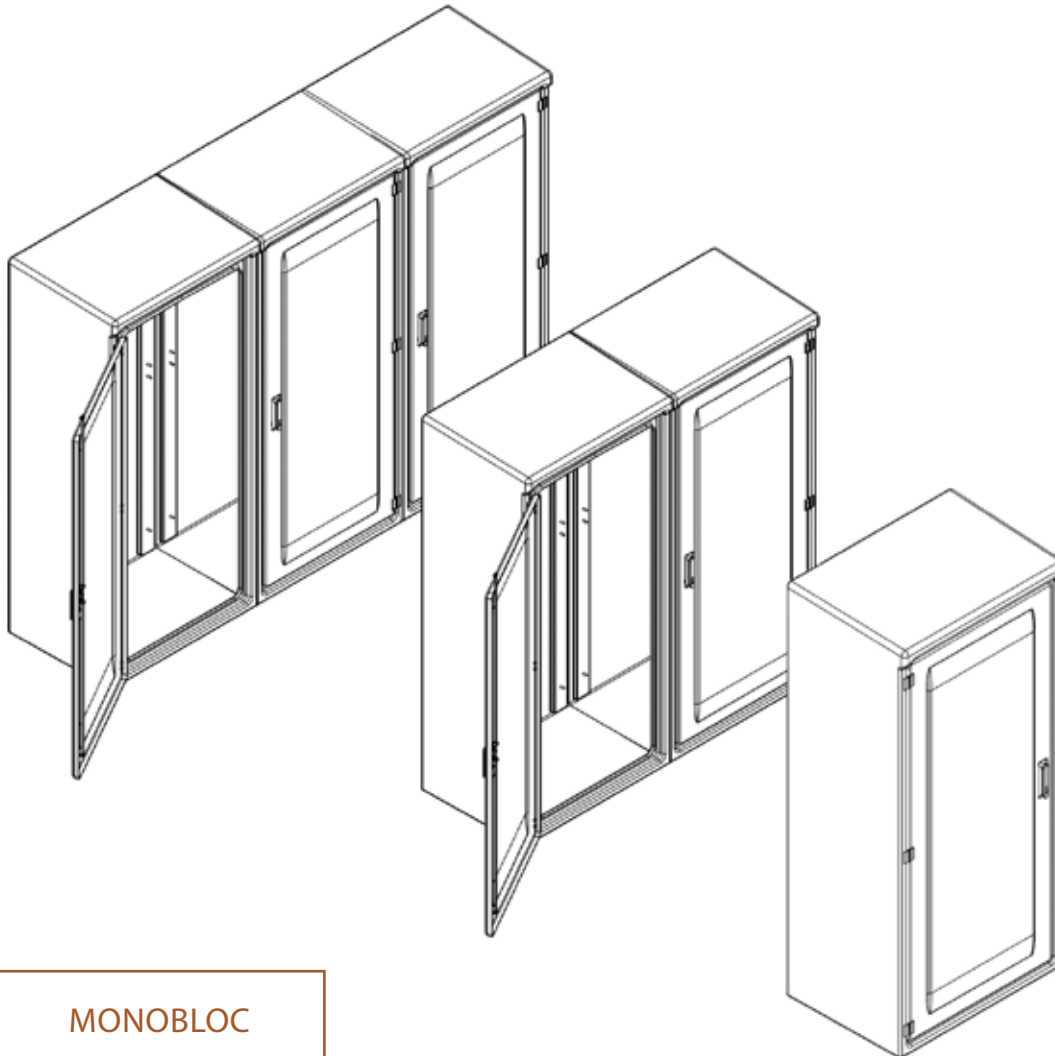
MAXI EURO 1900 SP

LARGE ENCLOSURES

SPECIAL



8 M6 pins on the back of the enclosure, allowing the installation of a mounting plate.



MONOBLOC

MAXI EURO SP

- Special monobloc enclosures assembled in the factory
- Maximum number of modules : 6 to 7
- IP65 / IK10 guarantee ; light grey RAL 7035 colour, other colours possible on request
- Right and left opening doors
- External textured polyurethane coating
- Internal fibered coating

MAXI EURO 1900 SP
LARGE SPECIAL ENCLOSURES

MAXI EURO 1900 ST

LARGE ENCLOSURES STANDARD

Dimensions in mm			Number of doors	Ref.									
H	W	D		2 doors	Reference	Assembly kit side to side	Assembly kit rear to rear	Full-galvanised steel mounting plate	Perforated galvanised steel mounting plate	GRP mounting plate	Base height 200mm	GRP Cable entry plate	Door window
1900	750	430 630	1 1	/	MX ST 190741 MX ST 190761	KASSL430 KASSL600	KASSF750 KASSF750	ST PEM 1907	ST PEF 1907	ST PEP 1907	ST S 020704 ST S 020706	ST PPC 1907	ST V 1907
	1000	430 630	1 1	/	MX ST 191041 MX ST 191061	KASSL430 KASSL600	KASSF1000 KASSF1000	ST PEM 1910	ST PEF 1910	ST PEP 1910	ST S 021004 ST S 021006	ST PPC 1910	ST V 1910
	1250	430 630	1 1	/	MX ST 191241 MX ST 191261	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1912	ST PEF 1912	ST PEP 1912	ST S 021204 ST S 021206	ST PPC 1912	ST V 1912
	1250	430 630	2 2	Without central stand	MX ST 191242BB MX ST 191262BB	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1912	ST PEF 1912	ST PEP 1912	ST S 021204 ST S 021206	ST PPC 1912	ST V 1906
	1250	430 630	2 2	Closing on central stand	MX ST 191242MC MX ST 191262MC	KASSL430 KASSL600	KASSF1250 KASSF1250	ST PEM 1906*2	ST PEF 1906*2	ST PEP 1906*2	ST S 021204 ST S 021206	ST PPC 1912	ST V 1906

Dimensions in mm			Number of doors	Ref.			
H	W	D		2 doors	Reference	Internal door	Insulated by polyurethane foam
1900	750	430 630	1 1	/	MX ST 190741 MX ST 190761	ST PI1907 ST PI1907	ST MPU190741 ST MPU190761
	1000	430 630	1 1	/	MX ST 191041 MX ST 191061	ST PI1910 ST PI1910	ST MPU191041 ST MPU191061
	1250	430 630	1 1	/	MX ST 191241 MX ST 191261	ST PI1912 ST PI1912	ST MPU191241 ST MPU191261
	1250	430 630	2 2	Without central stand	MX ST 191242BB MX ST 191262BB	ST PI1912 ST PI1912	ST MPU191242BB ST MPU191262BB
	1250	430 630	2 2	Closing on central stand	MX ST 191242MC MX ST 191262MC	On request	ST MPU191242MC ST MPU191262MC

Most requested accessories for ST and SP enclosures

19" Rack		Door contact		Door stop		Lighting			
For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	For ST enclosure	For SP enclosure	Lifting lugs	Document storage
ST CH19	SP CH19	ST CONTI	SP CONTI	ST BLP	SP BLP	ST ECL 60	SP ECL 60	Reference: depends on quantity	POCH4

MAXI EURO 1900 SP

LARGE ENCLOSURES

SPECIAL



Dimensions in mm			Number of doors	Ref.							
H	W	D			Reference	Full-galvanised steel mounting plate	Perforated galvanised steel mounting plate	Base = 200m	GRP cable entry plate	Door window	Insulated by polyurethane foam
1800	600	400	1	/	MX SP 180641	SP PEM 1806	SP PEF 1806	SP S 020604	SP PPC1806	SP V 1806	SP MPU180641
		500	1		MX SP 180651			SP S 020605			SP MPU180651
		600	1		MX SP 180661			SP S 020606			SP MPU180661
	1200	400	1	/	MX SP 181241	SP PEM 1812	SP PEF 1812	SP S 021204	SP PPC1812	SP V 1812	SP MPU181241
		500	1		MX SP 181251			SP S 021205			SP MPU181251
		600	1		MX SP 181261			SP S 021206			SP MPU181261
		800	1		MX SP 181281			SP S 021208			SP MPU181281
	1800	400	2	Closing on central stand	MX SP 181842	SP PEM 1806 + SP PEM 1812	SP PEF 1806 + SP PEF 1812	SP S 021804	SP PPC1818	On request	SP MPU181842
		500	2		MX SP 181852			SP S 021805			SP MPU181852
		600	2		MX SP 181862			SP S 021806			SP MPU181862
		800	2		MX SP 181882			SP S 021808			SP MPU181882
1900	665	400	1	/	MX SP 190641	SP PEM 1906	SP PEF 1906	SP S 020704	SP PPC1906	SP V 1906	SP MPU190641
		500	1		MX SP 190651			SP S 020705			SP MPU190651
		600	1		MX SP 190661			SP S 020706			SP MPU190661
		720	1		MX SP 190671			SP S 020707			SP MPU190671
	865	400	1	/	MX SP 190841	SP PEM 1908	SP PEF 1908	SP S 020804	SP PPC1908	SP V 1908	SP MPU190841
		500	1		MX SP 190851			SP S 020805			SP MPU190851
		600	1		MX SP 190861			SP S 020806			SP MPU190861
		800	1		MX SP 190881			SP S 020808			SP MPU190881
	1065	400	1	/	MX SP 191041	SP PEM 1910	SP PEF 1910	SP S 021004	SP PPC1910	SP V 1910	SP MPU191041
		500	1		MX SP 191051			SP S 021005			SP MPU191051
		600	1		MX SP 191061			SP S 021006			SP MPU191061
		800	1		MX SP 191081			SP S 021008			SP MPU191081
		1000	/	/	MX SP 1910101	SP PEM 1910	SP PEF 1910	SP S 021010	SP PPC 1910	SPV 1910	SP MPU 1910101
	1330	400	2	Closing on central stand	MX SP 191342	SP PEM 1906*2	SP PEF 1906*2	SP S 021304	SP PPC1906*2	SP V 1906	SP MPU191342
		500	2		MX SP 191352			SP S 021305			SP MPU191352
		600	2		MX SP 191362			SP S 021306			SP MPU191362
		720	2		MX SP 191372			SP S 021307			SP MPU191372
	1730	400	2	Closing on central stand	MX SP 191742	SP PEM 1908*2	SP PEF 1908*2	SP S 021704	SP PPC1908*2	SP V 1908	SP MPU191742
		500	2		MX SP 191752			SP S 021705			SP MPU191752
		600	2		MX SP 191762			SP S 021706			SP MPU191762
		800	2		MX SP 191782			SP S 021708			SP MPU191782
	1995	400	3	Closing on central stand	MX SP 192043	SP PEM 1906*3	SP PEF 1906*3	SP S 022004	SP PPC1906*3	SP V 1906	SP MPU192043
		500	3		MX SP 192053			SP S 022005			SP MPU192053
		600	3		MX SP 192063			SP S 022006			SP MPU192063
		720	3		MX SP 192073			SP S 022007			SP MPU192073
	2130	400	2	Closing on central stand	MX SP 192142	SP PEM 1910*2	SP PEF 1910*2	SP S 022104	SP PPC1910*2	SP V 1910	SP MPU192142
		500	2		MX SP 192152			SP S 022105			SP MPU192152
		600	2		MX SP 192162			SP S 022106			SP MPU192162
		800	2		MX SP 192182			SP S 022108			SP MPU192182
		1000	2	/	MX SP 1921102	SP PEM 1910*2	SP PEF 1910*2	SP S 022110	SP PPC 1910*2	SPV 1910	SP MPU 1921102
	2595	400	3	Closing on central stand	MX SP 192543	SP PEM 1908*3	SP PEF 1908*3	SP S 022504	SP PPC1908*3	SP V 1908	SP MPU192543
		500	3		MX SP 192553			SP S 022505			SP MPU192553
		600	3		MX SP 192563			SP S 022506			SP MPU192563
		800	3		MX SP 192583			SP S 022508			SP MPU192583
	2640	400	2	Closing on central stand	MX SP 192642	SP PEM 1913*2	SP PEF 1913*2	SP S 022604	SP PPC1913*2	SP V 1913	SP MPU192642
		500	2		MX SP 192652			SP S 022605			SP MPU192652
		600	2		MX SP 192662			SP S 022606			SP MPU192662
		720	2		MX SP 192672			SP S 022607			SP MPU192672
	3195	400	3	Closing on central stand	MX SP 193243	SP PEM 1910*3	SP PEF 1910*3	SP S 023204	SP PPC1910*3	SP V 1910	SP MPU193243
		500	3		MX SP 193253			SP S 023205			SP MPU193253
		600	3		MX SP 193263			SP S 023206			SP MPU193263
		800	3		MX SP 193283			SP S 023208			SP MPU193283
		1000	3	/	MX SP 1932103	SP PEM 1910*3	SP PEF 1910*3	SP S023210	SP PPC1910*3	SP V 1910	SP MPU1932103

MAXI EURO 1900

LARGE ENCLOSURES
CERTIFICATION

ENCLOSURE CERTIFICATION

Protection degree against penetration of solid and liquid bodies:
IP65 according to the EN60529 standard

Resistance to mechanical impacts:
IK10 according to the EN62262 standard

Fire resistance, test with incandescent wire (960°C)
According to the CEI-60.695-2-11 standard

Electrical insulation class II
According to the IEC61439-1 standard

Dielectric strength
According to the EN 61439-1 standard

Ageing and UV resistance
In accordance with ISO 4892-2, ISO 178 and ISO 179 standards

Heat Resistance
In accordance with CEI 60068-2-2 standard

COMPANY'S CERTIFICATION

ISO 9001 - 2008, n°141107-C1238
Certification carried out by BCS

OPTIONS+



Front / Back door



Door stop



Door contact
with opening or closing position or double contact.



19" Rack
Fixed position or adjustable in terms of depth, according to your needs.



Internal GRP door



GRP cable entry plate
with sealant.



Insulating GRP



Full galvanised steel



Micro-perforated galvanised steel

+ We offer 3 types of mounting plates: full galvanised steel, micro-perforated galvanised steel and full GRP.



Door window
with the dimensions and positioning that suit your needs.

MAXI EURO 1900

LARGE ENCLOSURES : OPTIONS

MAXI EURO 1900

LARGE ENCLOSURES :
PICTURES





MAXI EURO 1900

LARGE ENCLOSURES : PICTURES

MEGA EURO

LARGE SHELTERS

from 2400 X 2300 X 1730

to 2400 X 2300 X 4230 mm



Technical characteristics:

- Fibre-glass reinforced polyester shelters.
- External Gel coat finish, internal top coat.
- Protection degree IP55/65 (in accordance with EN60529 standard).
- Mechanical Impact Resistance IK10 (in accordance with EN62262 standard).
- Electrically insulating material.
- Moisture resistant material
- Resistant to extreme temperatures: from -35° to +120°.
- Option to install 1 or several doors on any face of the shelter.

Accessories:

- 2-slope roofing
- Locking with polyamide handle and 3-point latch system.
- Door frame sealant.
- Stainless Steel hinges.
- GRP door frame.

Optional Accessories:

- Made to measure stainless steel base.
- Insulated GRP flooring.
- Lifting lugs.
- Pre-fitted interior electrics
- Ventilation, Air-conditioning.
- 3 point latch system with anti-panic lever.

SPECIAL FEATURES THAT MAKE THE DIFFERENCE

Fibre-glass reinforced polyester shelters with 2 choices of finish:

- Single GRP skin reinforced with fibre-glass covered plywood sidebars.
- Double GRP skin filled with 20-40mm of polyurethane foam

The manufacturing process is unique due to the moulding system adopted: the gluing together of 2 identical half-shells of adjustable depth from 1000 to 4000mm.

PROTECTION DEGREE IP55-65 / MECHANICAL RESISTANCE IK10

Excellent thermal insulation: Heat transfer coef. = 1 to 1.35W/m², preventing very high temperatures inside the shelter.

EXTREMELY RESISTANT TO CORROSION.



MEGA EURO

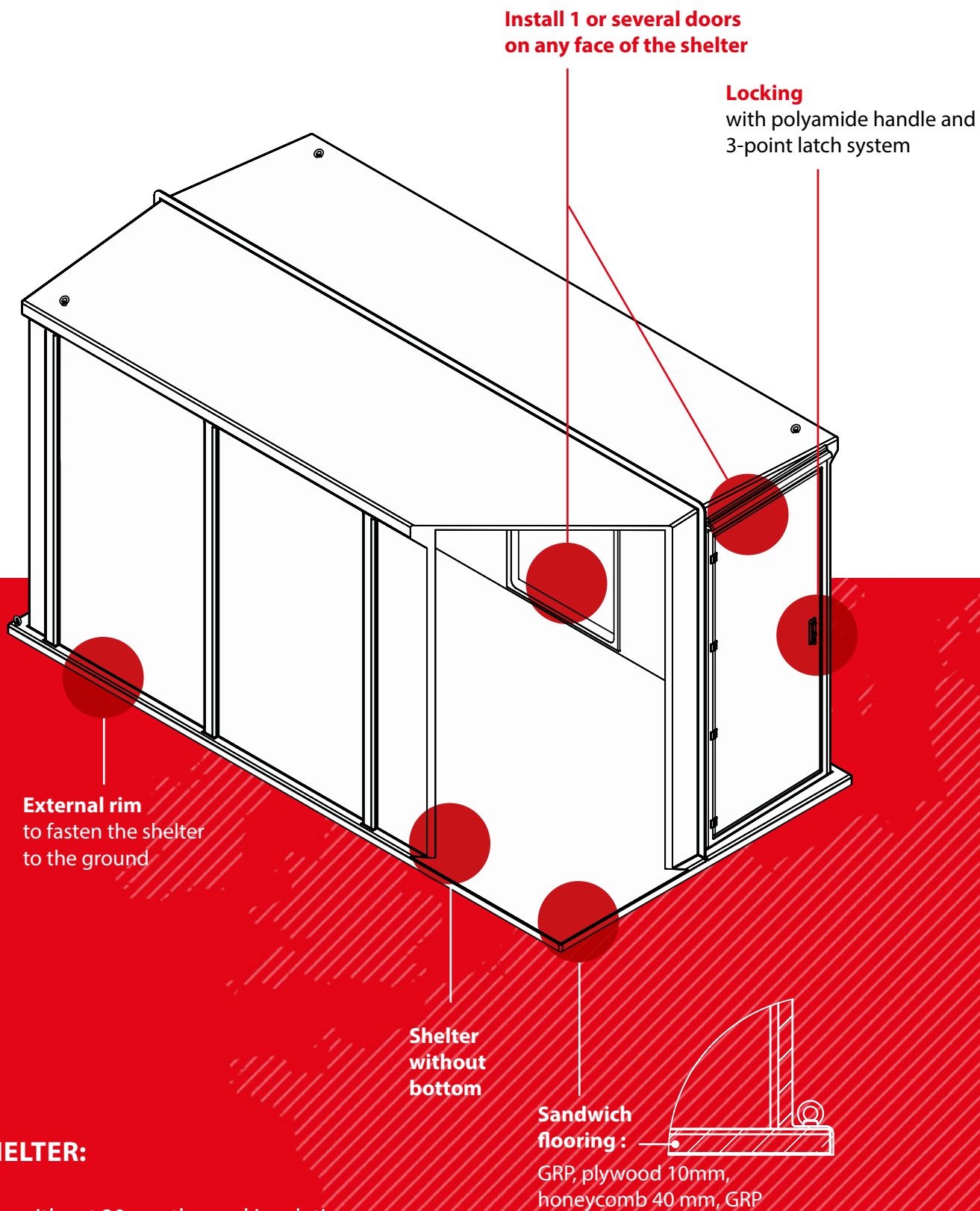
LARGE SHELTERS : PICTURES

MEGA EURO

LARGE SHELTERS

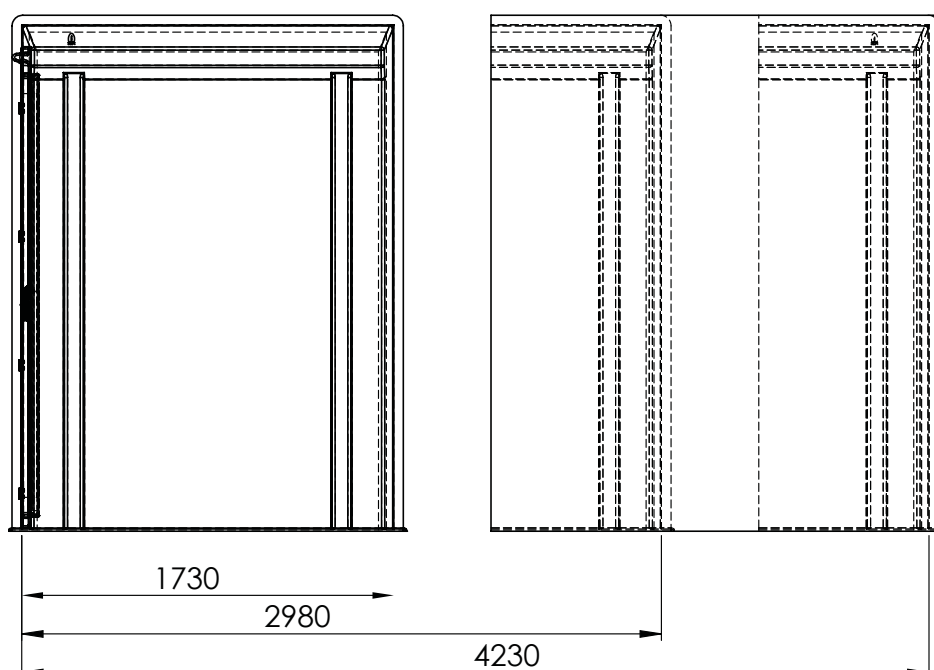
from 2400 X 2000 X 1000

to 2400 X 2000 X 4000 mm

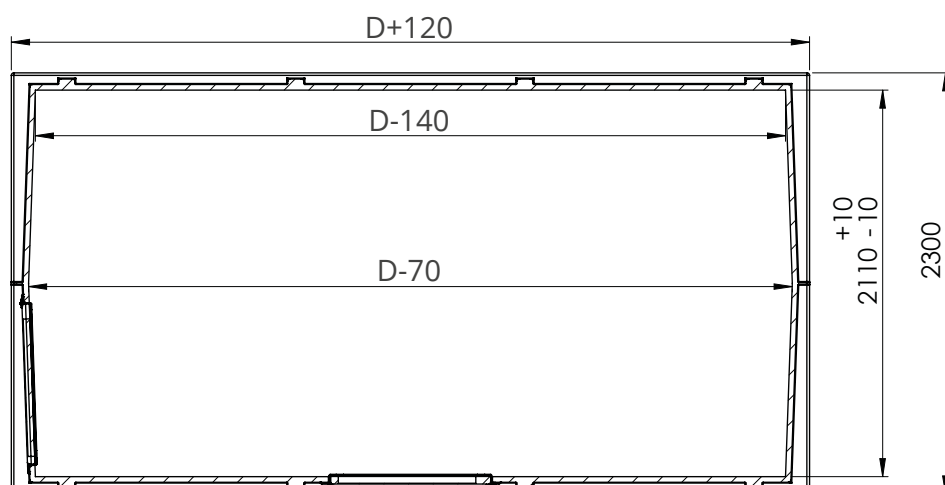


GRP SHELTER:

- With or without 20mm thermal insulation
- With or without GRP flooring

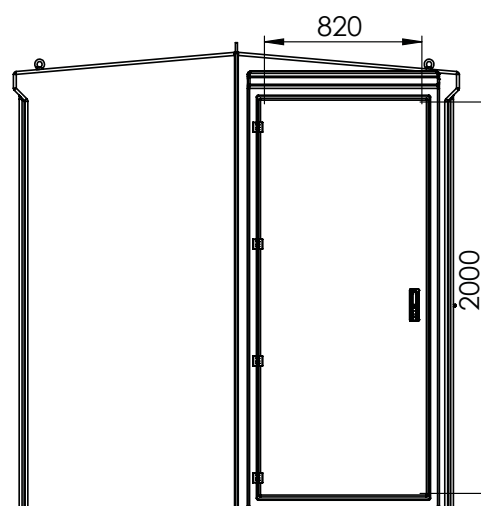
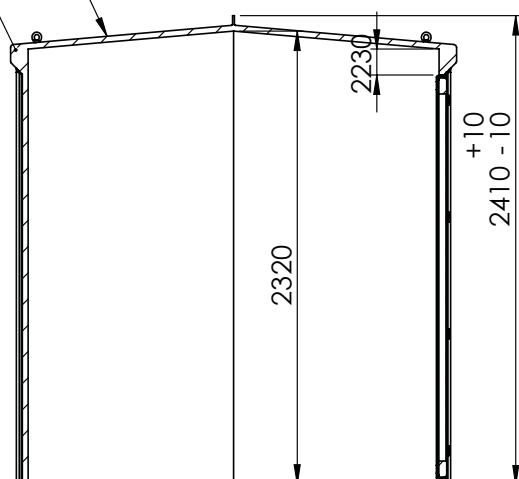


3 standard choices of depth
Any other depth possible in option from 1500 to 4230 mm



Ref.	H	W	D	Base	Cable entry plate
MG 242317	2400	2300	1730	MG S 242317	MG P 242317
MG 242330			2980	MG S 242330	MG P 242330
MG 242342			4230	MG S 242342	MG P 242342

Insulating polyurethane foam 20mm
Integrated awning



MEGA EURO

LARGE SHELTERS : DIMENSIONS, DRAWINGS AND OPTIONS

MEGA EURO

LARGE SHELTERS

PICTURES





MEGA EURO
LARGE SHELTERS : PICTURES

EURO URBAIN

DIAMOND DESIGN - ANTI-GRAFFITI - ANTI-POSTER ENCLOSURES

from 920 X 720 X 250

to 1500 X 2000 X 800 mm



SPECIAL FEATURES THAT MAKE THE DIFFERENCE

- Anti-poster diamond relief design for door and/or body of enclosure.
- Anti-graffiti finish.
- Polyester coating guarantee: 10 years.

PROTECTION DEGREE IP44-55 / MECHANICAL RESISTANCE IK10

Fibre-glass reinforced polyester enclosure. Watertight, anti-UV gel coat finish, cabling inserts at the back of the enclosure, polyamide hinges with stainless steel pins, polyamide handle operating 3 point latch system.

EXTREMELY RESISTANT TO CORROSION



Dimensions in mm			Doors	Ref.	Options				
H	W	D		Enclosure with front door	Anti-poster		Anti-graffiti	Full galvanised steel mounting plate	Perforated galvanised steel mounting plate
					Door	Body			
920	720	300	1	URB 090731	yes	no	yes	URB PEM 0907	URB PEF 0907
1100	400	370	1	URB 11044	yes	yes	yes	URB PEM 1104	URB PEF 1104
1100	800	370	2 sy	URB 11084	yes	yes	yes	URB PEM 1108	URB PEF 1108
1100	1230	370	3	URB 11124	yes	yes	yes	URB PEM 1112	URB PEF 1112
1100	1400	600	2 asy	URB 11146	yes	yes	yes	URB PEM 1114	URB PEF 1114
1200	750	400	1	URB 120741	yes	no	yes	URB PEM 1207	URB PEF 1207
		600		URB 120761	yes	no	yes	URB PEM 1207	URB PEF 1207
		800		URB 120781	yes	no	yes	URB PEM 1207	URB PEF 1207
	850	400		URB 120841	yes	no	yes	URB PEM 1208	URB PEF 1208
		600		URB 120861	yes	no	yes	URB PEM 1208	URB PEF 1208
		400		URB 121041	yes	no	yes	URB PEM 1210	URB PEF 1210
	1000	600		URB 121061	yes	no	yes	URB PEM 1210	URB PEF 1210
		800		RB 121081	yes	no	yes	URB PEM 1210	URB PEF 1210
		1500		400	URB 121542	yes	no	yes	URB PEM 1215
	600		URB 121562	yes	no	yes	URB PEM 1215	URB PEF 1215	
	800		URB 121582	yes	no	yes	URB PEM 1215	URB pEF 1215	
	1700		400	URB 121742	yes	no	yes	URB PEM 1217	URB PEF 1217
		600	URB 121762	yes	no	yes	URB PEM 1217	URB PEF 1217	
		2000	400	URB 122042	yes	no	yes	URB PEM 1220	URB PEF 1220
			600	URB 122062	yes	no	yes	URB PEM 1220	URB PEF 1220
	800		URB 122082	yes	no	yes	URB PEM 1220	URB PEF 1220	
	1500		1200	400	URB 151242	yes	no	yes	URB PEM 1512
		600		URB 151262	yes	no	yes	URB PEM 1512	URB PEF 1512

Dimensions in mm			Ref.	Options					
H	W	D	Base H200	Cable entry plate	19" Rack	Door contact	Door stop	Lighting	Document storage
920	720	300	UBP S 09073	PPC	MD CH1916U	URB CONTI	URB BLP		POCHA4
1100	400	370	UBP S 11044						
1100	800	370	UBP S 11084		MD CH1916U	URB CONTI*2	URB BLP*2		
1100	1230	370	UBP S 11124			URB CONTI*3	URB BLP*3		
1100	1400	600	UBP S 11146			URB CONTI*2	URB BLP*2		
1200	750	400	UBP S 12074		MD CH1924U	URB CONTI	URB BLP		
		600	UBP S 12076						
		800	UBP S 12078						
	850	400	UBP S 12084						
		600	UBP S 12086						
		400	UBP S 12104						
	1000	600	UBP S 12106						
		800	URB S 12108						
		1500	400		UBP S 12154	-	URB CONTI*2	URB BLP*2	
	600		UBP S 12156		-				
	800		URB S 12158						
	1700	400	UBP S 12174		-				
		600	UBP S 12176		-				
		2000	400		UBP S 12204	-			
	600		UBP S 12206		-				
	800		URB S 12208						
	1500	1200	400		UBP S 15124	-	URB CONTI*2	URB BLP*2	
600			UBP S 15126		-				

EURO URBAIN

DIAMOND DESIGN ENCLOSURES:
SERIES ACCESSORIES

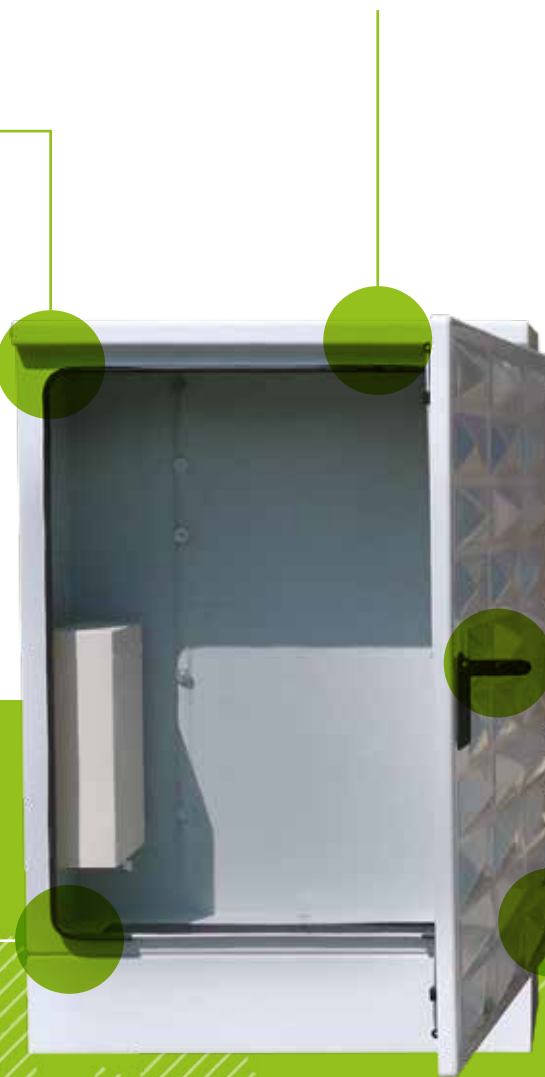
**Rubber lip
waterproofing sealant**
with metal armour
resistant to corrosive
environments.

Protective Awning
against rainfall and
standing water.

**Retractable polyamide
handle** operating a 3
point locking system

**Elevated door
frame** allowing the
enclosure to be
installed directly on
the ground.

**Anti-graffiti, anti-
UV gel coat finish**
GUARANTEE: 10
YEARS.

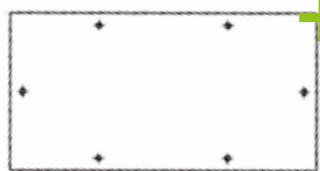


Polyamide hinges,
stainless steel pin,
non-removable from
the outside.



4-6 M8*40 pins
at the back of the
enclosure allowing
installation of your
equipment.

OPTIONS +



GRP Cable Entry Plate with sealant.



Front/Back door with adjustable frame.



Different colours according to RAL colour chart. Colour is integrated into material and not painted on.



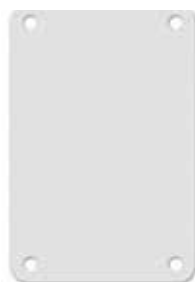
Base H 200mm with or without Maintenance Access Plate.



19" Rack fixed position or adjustable in terms of depth, centred or noncentred.



Internal Door all GRP.



Insulating GRP



Full galvanised steel



Perforated galvanised steel

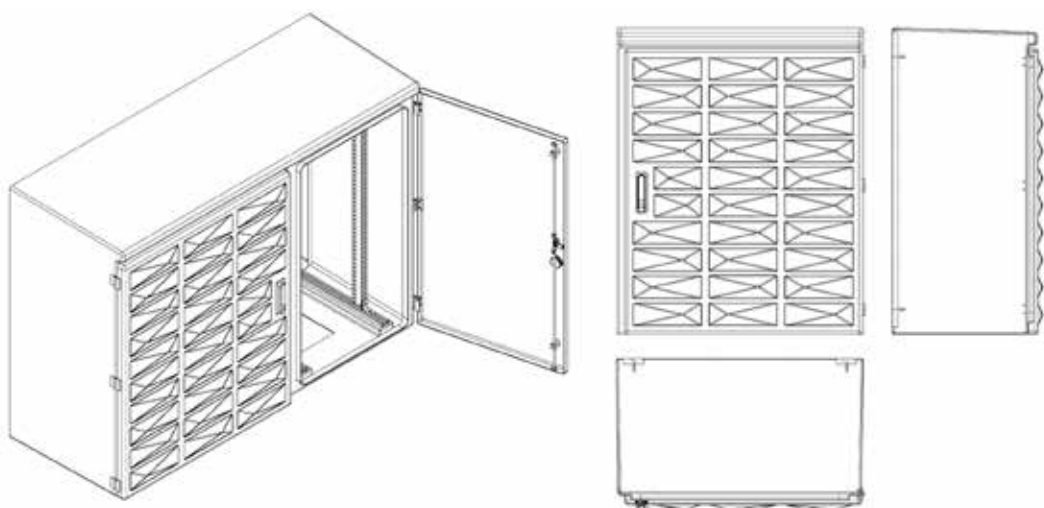
We offer 3 types of Mounting Plate: full galvanised steel, perforated galvanised steel and full GRP.

EURO URBAIN

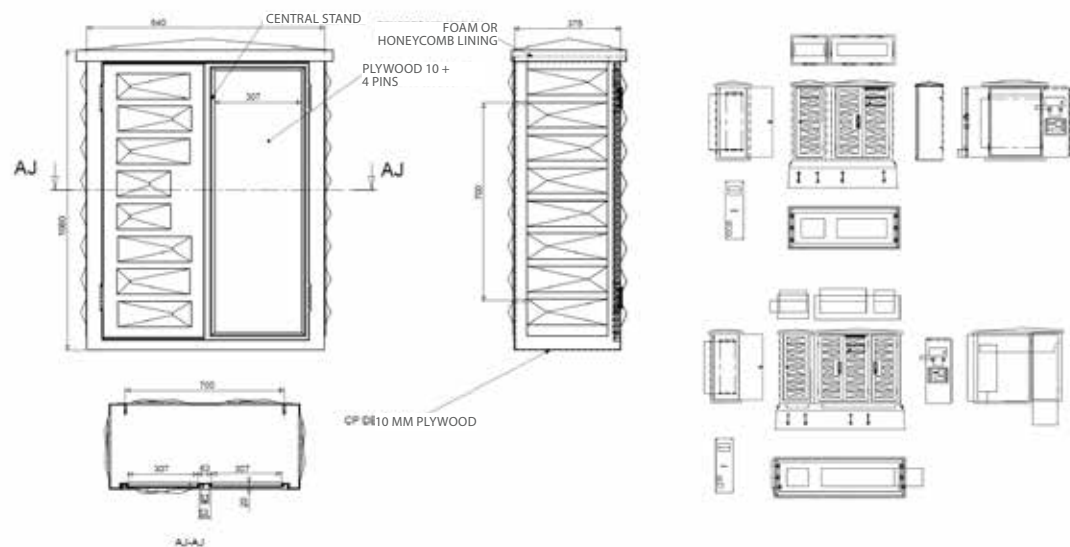
DIAMOND DESIGN ENCLOSURES
DRAWINGS AND DIMENSIONS

See an example of drawings below:

If you need digital drawings for a specific enclosure, please contact us.



Anti-poster and Anti-graffiti on all faces of the enclosure. Ref.: URB11044, URB11084, URB11124 and URB11146





EURO URBAIN

DIAMOND DESIGN ENCLOSURES : PICTURES

EURO INSTRUM

INSTRUMENTATION CABINETS

from 359 X 335 X 321

to 548 X 800 X 480 mm



SPECIAL FEATURES THAT MAKE THE DIFFERENCE

- Fibre-glass reinforced polyester with gel coat finish.
- GRP coating guarantee: 10 years.
- Several systems of external and internal mounting clamps
- Anti-static surface coating making cabinets suitable for harsh environments.
- Internal coating protecting against electromagnetic radiation.
- Cabinets with or without thermal insulation.
- We can install your items inside our cabinets (transmitters, manifolds,...)

PROTECTION DEGREE IP55-65 / MECHANICAL IMPACT RESISTANCE IK10

Fibre-glass reinforced polyester cabinet. Watertight, anti-UV gel coat finish. Stainless steel hinges, locks and screws.

EXTREMELY RESISTANT TO CORROSION



Uses

Specially developed cabinets for the protection of transmitters, manifolds, valves... These products are used for instrumentation in the chemical, oil and gas and petrochemical industries.

Dimensions in mm			Ref.		Options			
H	W	D	20mm foam		Anti-static coating	Door window	Internal mounting clamp	External mounting clamp
			Without	With				
Cabinet opening at 45°								
359	335	321	C45/A	-	C45/A.A5	C45/A-V	On request and according to drawings' specifications	On request and according to drawings' specifications
553	548	486	C45/C-SM	C45/C-AM	C45/C.A5	C45/C-V		
548	800	480	C45/D-SM	C45/D-AM	C45/D.A5	C45/D-V		
Cabinet with front opening								
527	500	394	CDC/B-SM	CDC/B-AM	CDC/B.A5	CDC/B.V	On request and according to drawings' specifications	On request and according to drawings' specifications



EURO INSTRUM

INSTRUMENTATION CABINETS FROM 359 X 335 X 321 TO 548 X 800 X 480 MM



**INSTRUMENTATION CABINET
WITH TUBING**

Technical characteristics:

- Protection degree IP55/65 (in accordance with EN60529 standard).
- Fibre-glass reinforced polyester cabinets.
- Mechanical Impact Resistance IK10 (in accordance with EN62262 standard)
- Electrically insulating material.
- Light Grey colour RAL 7035. Possibility of other integrated colours
- Resistant to extreme temperatures: from -120° to +100°.

Accessories:

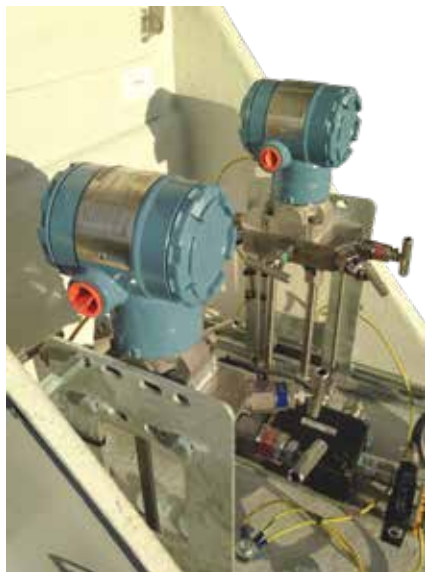
- Locking by: stainless steel padlockable lever latches.
- Door frame sealant.
- 2 stainless steel hinges

Optional Accessories:

- Transmitter support system.
- Different attachment possibilities with/without 2" tube
- Window
- Internal coating resistant to electromagnetic radiation.
- Anti-static external coating.
- Reinforced insulation of cabinet using polyurethane foam.
- Ventilation
- Round gasket (diameter 132mm) available for INSTRUM CDC cabinet allowing tubes to be passed through.



2 transmitters

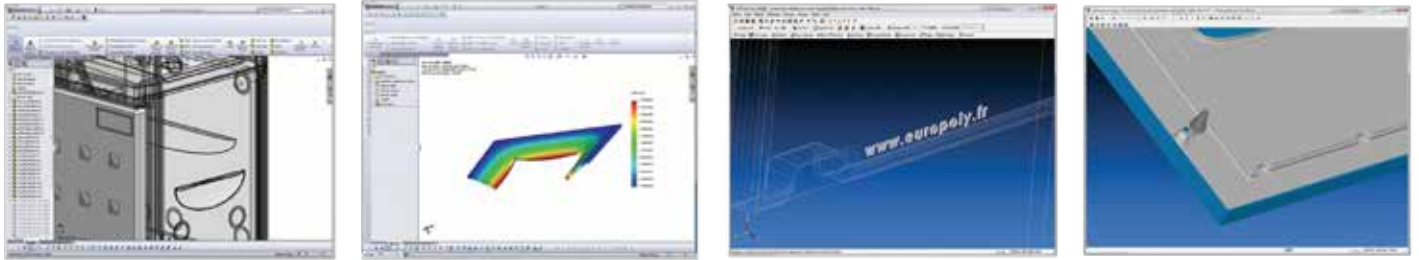


3 transmitters



CUSTOM MADE

With our excellent research unit, EUROPOLY is able to research, design and create various types of enclosures, cabinets, shelters, terminals and other fibre-glass reinforced polyester fittings.



1. Enclosure designed according to clients' specifications using CAD software.
2. Mechanical capacity simulation using finite element analysis software.
3. Programming of machinery for prototype production using CAM software.
4. Simulation of prototype production using CAM software.



5. Photo of machining centre in operation.
6. Wooden prototype produced in our workshops.
7. Water terminal: example of custom-made product development.



HOODED COMPARTMENTS



AVALANCHES

EUROPOLY, in close collaboration with its client, has designed and produced a shelter used for triggering avalanches remotely.

Our research and development unit was able to analyse the client's specifications and draw up a design and prototyping plan. Once the prototyping process was complete, EUROPOLY took on the task of manufacturing the GRP shelters. The task was as much of a technical challenge for our client as it was for us. The product's unique specifications had to be respected: electromagnetic compatibility, thermal insulation and the overall rigidity of the shelter to allow for it to be transported by helicopter whilst containing all of the material, sometimes at heights of more than 4000 metres.

Thanks to the skilled teamwork of the two companies, we were able to produce an extremely popular shelter which is used throughout the world.

Find out about our latest «custom made» products on our website:
www.europoly.com



EUROPOLY, in collaboration with its client and the town of Calais, has designed and created a hooded compartment used to protect retractable-socket cabinets from water infiltrations. Within a very short time span, our research and development unit has been able to analyse the client specifications and draw up a design and prototyping plan.

Once the prototyping process was complete, EUROPOLY took on the task of manufacturing the GRP hooded compartments.

The main technical challenge was to manufacture hooded compartments which are both lightweight - and thus easy for the user to dismantle - and hardwearing and suitable for use in an industrial port. Light but robust honeycomb mesh reinforcements were used.

The second challenge was the production of more than 100 of these hooded compartments and their moulds within 8 weeks. We therefore dedicated all of our resources and, thanks to the successful integration of our production team (design, prototyping, manufacture), EUROPOLY was able to achieve its goal of satisfying the client.



MALAYSIAN TRAM

EUROPOLY, in close collaboration with its export client, has designed and manufactured a reinforced enclosure for housing very large subway or tram switchboards. Our export sales team alongside our research and development unit were able to analyse the client's specifications and drew up a design and prototyping plan.

The prototyping and moulding processes were carried out internally. Finally, EUROPOLY took on the task of manufacturing these GRP enclosures.

The task was as much of a technical challenge for our client as it was for us. The product's unique specifications had to be respected: openings on 3 sides with 5 different doors, a reinforced 4-slope roof, the assembly with a GRP cabinet on one side, and the rigidity of the enclosure allowing it to withstand heavy loads whilst not increasing the weight of the enclosure itself.

Thanks to both companies' skilled teamwork we were able to manufacture the enclosures and to achieve our goal of satisfying the client. This custom-made enclosure is now the go-to product for our client, who is a key player in the world of subway and tram disconnectors.

CUSTOM MADE

WATER TREATMENT



A range of enclosures used for water analysis and treatment in Paris. For these purposes, the composite material (fibre-glass reinforced polyester) must be extremely resistant to corrosive and harsh environments (Parisian sewage works). The use of adapted resin and gel coat finish creates an extremely resistant combination. We manufactured a custom-made product to fit the specific dimensions and location of the enclosures.

PARIS SUBWAY - RATP

(RATP - PUBLIC TRANSPORT OPERATOR IN PARIS)



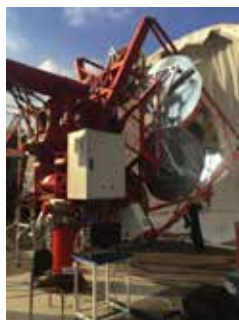
An enclosure used in high voltage rail networks. The challenge here was to ensure the complete accessibility of all the equipment inside the enclosure. Our research unit found a solution: a system of doors which allowed access from every side of the enclosure, whilst maintaining the rigidity of the structure.

BATTERY CABINETS



Europoly has designed a unique enclosure used for the protection of batteries. This 2-shelf enclosure allows to store 22 batteries at an overall weight of 400kg. Other features include a DERACANE resin retention tray to collect acid residue, as well as a pivoting roof hatch, held open by an integrated door stop, which allows access to the batteries from above.

TELESCOPES



Europoly manufactured coupled enclosures and cabinets for high tech telescopes. Our products were approved and ordered by Paris Observatory. Enclosures and cabinets had to be at the same time watertight, ventilated (IP55 minimum) and extremely resistant to UV. Therefore, we used air grills and IP55 ventilators. We painted the enclosures with a UV-resistant polyurethane coating.

CHLORINE TERMINAL



This terminal was designed for an international water treatment company to allow for storage and monitoring of chlorine bottles. With its elegant design the terminal fits well into any outside environment. A gel coat finish was used to protect against acid and chlorine erosion and increase the structure's lifespan.

ACCESS POINTS, BADGE READERS



Fibre-glass reinforced polyester standing console with anti-UV gel coat finish. A layer of metal mesh between 2 sheets of GRP created a protective screen against electromagnetic radiation. These access points can be installed on the ground or fixed to a wall. Cutting and drilling can be custom made.

HIGH VOLTAGE ENCLOSURE



Enclosure partitioned into several compartments. These enclosures were designed and adapted to the client's specific needs. These enclosures (HxWxD in mm: 1500x1250x500) are specially adapted to separate different electrical charges and materials.

CABINET WITH DRAWERS



Cabinet with drawers for dielectric material testing. This cabinet was purpose-made for use in a sterilized laboratory.



SPECIAL MACHINERY ENCLOSURE



These made to measure enclosures were designed for an international company specialised in the cutting of all materials. The object was to design an enclosure which would be simple and elegant whilst also fulfilling very specific technical requirements: strong mechanical resistance, high protection degree, appropriate dimensions. In collaboration with our client's technical team, our research unit was able to design this enclosure and start a mass production.

WATER TERMINAL (PUMPING)



This water terminal was made from fibre-glass reinforced polyester and thermally insulated with polyurethane foam. These terminals can be used to house pipelines, valves, connectors and other plumbing items. Thanks to its thermal insulation, the items inside the terminal are kept frost-free. An infinite choice of colours is available, allowing for this product to be used in any environment.

MADE TO MEASURE PRODUCTION

Europoly can carry out any modifications on any standard cabinet, enclosure or shelter in order to meet your requirements: drilling, inserts, enclosure assembly, colour range (RAL colour chart), reinforced thermal insulation, internal door, lining, shelves, fastening system, windows, custom-made cut-outs... as well as any other requested modification.



EUROPOLY, in collaboration with its clients and telecoms operators, manufactures enclosures for «Fibre-Optic to the Home» development.

The 2 main challenges in this market are to customise products to suit clients' expectations (cut-outs, drilling of the enclosure etc.) whilst also producing a large quantity of the product in a short time-span.

Thanks to our flexibility during the production process and thanks to our modular and dismantable products, we are able to manufacture a large number of items within this short time frame.



CUSTOM MADE

ACCESSORIES

CABLING SYSTEMS

FASTENING SYSTEMS IN OUR ENCLOSURES:

Standard Range

Mini Euro:

There are 3 fastening possibilities which can be used for the Mini Euro Range: At the back of the cabinet using either 4 pins, notches, or lateral runners.



Euro Medium:

Fastening with M8 inserts at the back of the enclosure (from 8 M8 inserts for a 500x500mm enclosure to 28 M8 inserts for a 1250x1000mm enclosure).



Maxi Euro 1500/1900, Euro Urbain:

2 fixing possibilities for these 3 ranges of enclosure:

M8 pins integrated into fibre-glass material or plug inserts to be installed onto medium sized side bars integrated into fibre-glass material.



Special Range

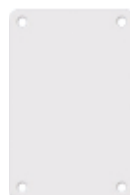
All fastening possibilities are possible:



MOUNTING PLATE

Europoly offers 3 types of mounting plate:

Our mounting plates fit into our standard enclosures with optimized dimensions to increase the surface area available for cabling. Half-size plates or made to measure plates can be examined on request.



Insulating GRP



Full galvanised steel

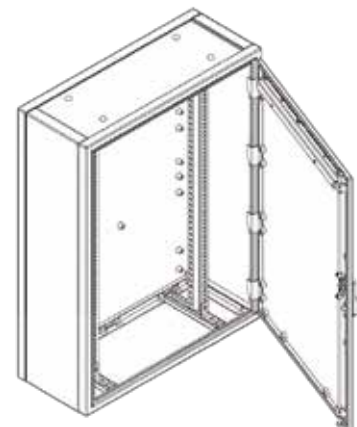


Perforated galvanised steel

19" RACK

Our racks suit our enclosure's standard heights. The number of Units depends on the opening of the door. These 19" racks can be fixed or adjustable in terms of depth.

All of our racks can be adapted to suit your specific needs.



THERMAL MANAGEMENT



Ventilation Grill



Material: Self-extinguishing thermoplastic
Operating temperature: -15°C to +70°C
Colour: RAL 7035

Ref.	Protection degree	Dimensions in mm	Cut-out in mm
DR	IP44	ø 24	ø 18,5
DRG	IP 44	ø 54	ø 30
DRG 1000/7035	IP 55	109 x 109	92 x 92
DRG 2000/7035	IP 55	145 x 145	125 x 125
DRG 3000/7035	IP 55	202 x 202	177 x 177
DRG 4000/7035	IP 55	252 x 252	223 x 223
DRG 6000/7035	IP 55	320 x 320	291 x 291

Fan and Filter System



Operating temperature: -15°C to +70°C
Material: Self-extinguishing thermoplastic
Retention capacity: 150 g/m²
Nominal Voltage: 230V (DC fans also available)

Ref.	Free air flow (m ³ /h)	Air flow with exhaust filter (m ³ /h)	Power input (W)	Noise level (db)	Dimensions in mm	Cut-out in mm
DRGV1000/7035	29	18	12	33	109 x 109	92 x 92
DRGV2000/7035	64	46	19	44	145 x 145	125 x 125
DRGV3000/7035	110	64	20	40	202 x 202	177 x 177
DRGV4200/7035	160	113	18	40	252 x 252	223 x 223
DRGV4300/7035	265	207	40	42	252 x 252	223 x 223
DRGV6500/7035	505	380	65	54	320 x 320	291 x 291
DRGV6700/7035	725	580	150	66	320 x 320	291 x 291

Colour: RAL 7035
Protection degree: IP 54

Heating Resistor



Nominal Voltage: 230V - 50/60Hz
Installation: mountable on DIN rail
Operating temperature: -20°C to +60°C

Ref.	Heat output (Ta = 20°C)	Surface temperature	Air flow (m ³ /h)	Heating element
RC10	10W	70°C	/	PTC
RC30	30W	100°C	/	PTC
RC60	60W	100°C	/	PTC
RC100	100W	100°C	/	PTC
RC150	150W	150°C	/	PTC
RC250	250W	70°C	35	Electrical resistance
RC400	400W	86°C	54	Electrical resistance

Air Conditioning



1. Outdoor air conditioner / 2. Outdoor air con. /
 3. Compact air con. / 4. Indoor air con.

Europoly offers a range of air conditioning and air circulation options. Alongside the client we calculate the most suitable and necessary thermal output. If however, you choose to use your own air conditioning device, we also offer to prepare and pre-assemble the equipment.

Thermal Regulation: Thermostat (Th) / hygrostat (Hy)



Thermostats (Th)
Installation: 35mm² DIN rail mountable
Protection degree: IP20
Operating temperature: -20°C to +40°C

Ref.	Voltage (VAC)	Unit of measure	Type of contact	Maximum voltage and intensity required	
				Opening	Closing
DGRTS10	230	Bimetallic	Switch in neutral position	250VAC/10A resistive load	250VAC/5A resistive load
DGRTS20	230	/	Opening	250VAC/10A resistive load	/
DRGTS30	230	/	Closing	/	250VAC/5A resistive load

Hygrostat (Hy)
Installation : encliquetable sur RAIL DIN de 35 mm²
Protection degree: IP20
Operating temperature : -20°C to +40°C

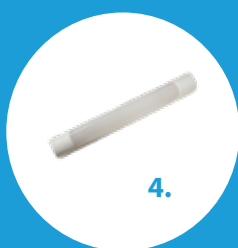
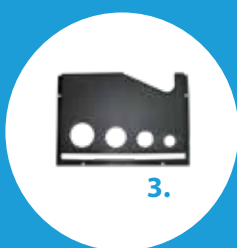
Ref.	Voltage (VAC)	Unit of measure	Type of contact	Maximum voltage and intensity required	
				Opening	Closing
DRGH600	230		Opening	250VAC/10A resistive load	/

ACCESSORIES

OTHER ITEMS



- **Eclairage CE :** 75W, classe II IP23, IK04
- **CE Lighting:** 75W, class II, IP23, IK04
- **Document storage:** ABS, A4 format, mounting adhesive.
- **PC support tray:** aluminium
- **Door stop:** holds door open at 90° to 115°.
- **Compass door system:** Lifting arm at the top of the door which holds door open.
- **Door contact:** Stainless steel push-button mechanism, NF+NO contact, IP66, 6A-250vac connection using 1.5mm² wire.
- **Door contact:** Telescopic apex push-button mechanism, 1 switch, IP67, 8A-250vac, flexible 0.5m wire termination.
- **Polycarbonate window:** 4mm thickness, installed with double lip rubber sealant
- **Polycarbonate window:** 5mm thickness, installed using glue, double-sided 3M
- **Lifting lugs:** weight allowance for 4 lugs: 500kg/m³, material: hot-dipped steel or stainless steel.
- **Locking system:** key lock (number to be chosen), insert, triangle, double bar, square, half-moon imprint...
- **Polyamide handle:** retractable, padlockable, all other types of handles available on demand.

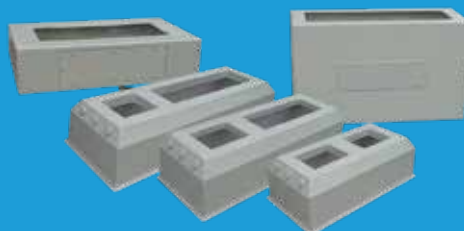


1. Door stop in open position (Ref. BLPAR)
2. Compass door system (Ref. COMP).
3. A4 document storage (Ref. POCHA4).
4. 60W lighting. 60W/230W neon lighting (Ref. ECL60).
5. Door contact triggering lights to come on when the door is opened. 5A/230V (Ref. CONTP).

FIBRE-GLASS REINFORCED POLYESTER BASE

adapted to your requirements.

Our standard bases are available in heights of 60, 100, 200 and 500mm. Width and Depth are variable according to your requirements.





COLOUR CHOICES:

Our cabinets and enclosures can be produced in a variety of colours according to your requirements.

The colour component (chosen from the RAL colour chart) is integrated into the resin for the majority of our cabinets and enclosures. The colour is integrated into the gel coat finish (one of the GRP components), making it completely indelible and impossible to remove. We can also offer specific gel coat finishes containing carbon or anti-static particles.

SANDWICH CONSTRUCTION

Europoly offers an entire sandwich construction system:

Addition of polyurethane mousse

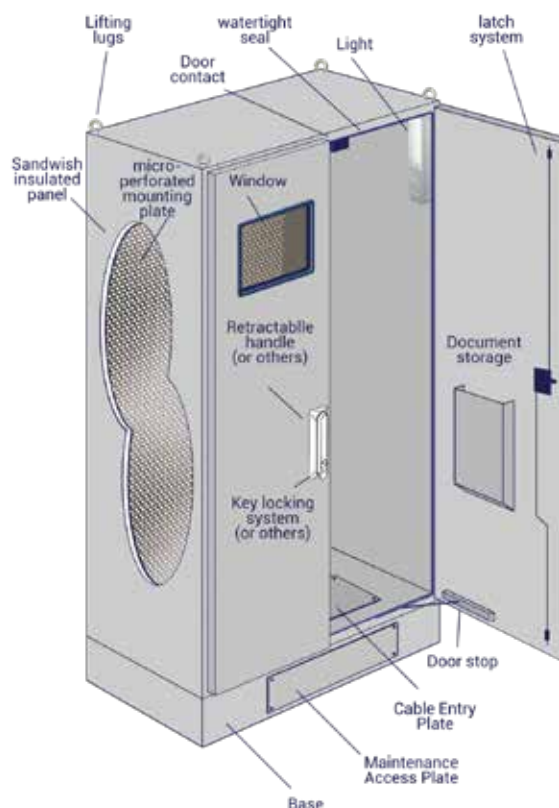
Problems with temperature and temperature variation inside enclosures are very common. These two issues can cause considerable constraints regarding electrical equipment.

The addition of polyurethane foam between two layers of glass sheeting allows:

- to slow down the increase in temperature inside the enclosure (temperature does not reach extreme heights until later in the day)

- to slow down the decrease in temperature inside the enclosure (temperature does not reach extreme lows until later in the day, reduced need for heating elements)

- to reduce the rate with which the temperature inside the enclosure decreases (significant decrease in condensation)



GRP / Polyurethane Foam / GRP

ANTI-EXPLOSIVE FINISH (ATEX)

WHAT IS ATEX?

ATEX, an abbreviation of «**AT**mosphere **EX**plosible» (French for «Explosive Atmosphere»), is a combination of air and inflammable substances which are likely to cause an explosion. Three conditions must occur simultaneously for an explosion to take place:



EUROPEAN REGULATIONS

ATEX is an overall approach concerning both the design and procedures for the production of equipment. The application of ATEX directives 94/9/CE and 99/92/CE has been **obligatory since the 1st July 2003**.

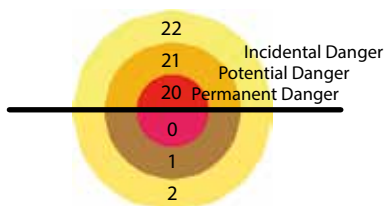


Directive 94/9/CE applies to all electrical or non-electrical equipment, machinery and industrial installations intended for use in potentially explosive atmospheres. Equipment which is covered by the ATEX directive is grouped into categories according to usage. Directive 94/9/CE insists on testing procedures and certification in accordance with European standards: **EN60079**, **EN61241** and **EN13463** as well as manufacturing audits in accordance with **EN13980**.



Directive 99/92/EC principally aims to reinforce protection against explosions by putting in place certain organisational and technical measures. This directive defines the minimum requirements of employers regarding the risks linked to working in explosive atmospheres: the establishment of general principles for risk prevention, risk evaluation as well as workplace classification.

CLASSIFICATION OF EXPLOSIVE ATMOSPHERES BY ZONE



Activity	Group
Mining industry	I
Surface Industry (above ground)	II

Explosive Atmosphere	Gaseous Zone	Zone containing dusts
Permanent, operating normally	0	20
Occasional, operating normally	1	21
Incidental, malfunctioning	2	22

OUR PRODUCTS

Characteristics:



- Resistant to corrosion
- Protection degree IP65 in accordance with EN60259
- Mechanical Impact resistance IK10 in accordance with EN62262
- Anti-static coating in accordance with EN60079 and EN61241
- Colour: Basalt grey

Range:

ATEX coating is available for the entire Europoly range except EURO MEDIUM products.

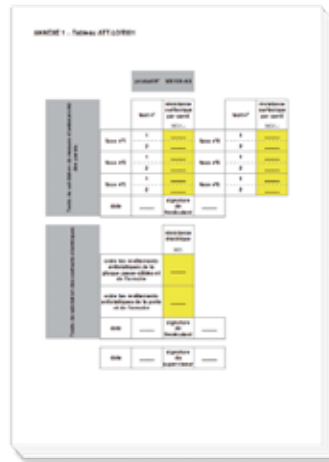
AUTO-CERTIFICATION

Certification of our products' quality and safety in harsh environments

ANTI-STATIC



1. Self-certification anti-static protocol for client corroboration.



2. Consignment Record: Testing results - product conformity or non-conformity.



3. Technical Product Notice: Recommendations.



4. Definitive Certification that product is in accordance with European Directives.

EMC - ELECTRO-MAGNETIC PROTECTION



1. Self-certification electromagnetic compatibility protocol for client corroboration.



2. Consignment Record: Testing results - product conformity or non-conformity.



3. Technical Product Notice: Recommendations.



4. Definitive Certification that product is in accordance with European Directives.

CERTIFICATION

ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ

ЕАС № TC RU C-FR.MH04.B.00026
Серия RU № 0037945

ОРГАН ПО СЕРТИФИКАЦИИ АНО НПЦ «ТЕХНОПРОГРЕСС», аттестат аккредитации № РОСС RU.0001.11MH04 от 15.05.2013 г., выданный Федеральной службой по аккредитации (Росаккредитация). Юр. адрес: Россия, 115280, г. Москва, ул. Велозаводская, д. 9. Факт. адрес: Россия, 115114, г. Москва, ул. Кожевническая, д. 14, стр. 2. Тел./факс +7 (495) 589-19-62, e-mail: cert@tpcorp.ru.

ЗАЯВИТЕЛЬ ООО «Энергосбережение», ОГРН 1115074010039, юр./факт. адрес: 142100, Московская область, г. Подольск, Комсомольская ул. д. 1, тел./факс: +7 (495) 507-82-18, e-mail: energosber11@mail.ru.

ИЗГОТОВИТЕЛЬ Europoly Srl, юр./факт. адрес: Parc d'Activités des Platières - 368 à 399 rue dela Garennière 69440 Mornant - France, тел.: 04 78 19 33 33, факс: 04 78 19 33 34, e-mail: info@europoly.com.

ПРОДУКЦИЯ Шкафы защитные и термощкафы типов MiniEuro, EuroMedium, MaxiEuro, MegaEuro, Euro1500, EuroUrbain, EuroInstrum, EuroCustom во взрывозащищенном исполнении. Серийный выпуск.

КОД ТН ВЭД ТС 8537 10 990 0

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 012/2011 «О безопасности оборудования для работы во взрывоопасных средах», утв. Решением Комиссии Таможенного союза № 825 от 18.10.2011 г.

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ Протокола сертификационных испытаний № 1717Ex от 30.09.2013 г., выданного Испытательной лабораторией ЗАО «Научно-Исследовательский Центр «ТЕХНОПРОГРЕСС» (аттестат аккредитации № РОСС RU.0001.21MЭ67 от 02.09.2010 г. до 02.09.2015 г., г. Москва); акта о результатах анализа состояния производства № 1285 А от 23.05.2013 г. (ОС АНО НПЦ «ТЕХНОПРОГРЕСС», рег. № РОСС RU.0001.11MH04).

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема сертификации 1с. Инспекционный контроль не реже одного раза в год. Сертификат действителен с Приложением на бланках №№ 0041269-0041270.

Срок действия с 07.10.2013 г. по 06.10.2018 г. ВКЛЮЧИТЕЛЬНО

Руководитель (уполномоченное лицо) органа по сертификации: А.Ю. Вервейко (подпись, печать)
Эксперт (эксперт-аудитор) (эксперты (эксперты-аудиторы)): Р.В. Елстратов (подпись, печать)



Our products are certified
GOST-R (Russia) and ISO 9001



ISO 9001 - 2008, n°141107-C1238
Certification carried out by BCS

HOW DOES EUROPOLY TREAT AND ADD VALUE TO ITS WASTE?

CO-INCINERATION AND THE CEMENT INDUSTRY

EUROPOLY is aware of its ecological footprint and looks for sustainable solutions.

Co-incineration is a technique which allows waste to be disposed of, whilst also contributing to the production of cement. This process involves using the waste as normal or booster combustibles, and the waste is subjected to heat treatment with a view to its disposal. Occasionally the waste is also used as carrier products, useful in the cement production process.

Co-incineration is therefore considered to be a process which adds value to the waste (as opposed to incineration which merely eliminates waste).

The process of cement production involves «cooking» a mixture of limestone and clay at very high temperatures (1450°C material temperature, 2000°C flame temperature), which is measured and grinded into the form of «raw flour» to be finally transformed into «clinker». Clinker is a granular product which after being finely grinded and mixed with certain additional products (most notably gypsum) becomes the product known to us all as cement, used in masonry, construction and works of art.

Most modern cement works use this «dry» process to produce cement as it is the most economical in terms of energy consumption: approx. 0.9KWh per kg of clinker (see diagram).

Co-incineration in the cement industry is a safe process which offers technical and environmental advantages that other waste elimination processes do not.

The waste products are used as substitute combustibles, as part of a real policy for sustainability.

Cement production is a «zero waste» process (no liquid or solid residue), as any waste ash, usually composed of the same chemical elements as cement itself (CaO, SiO₂, Al₂O₃, Fe₂O₃), are reintroduced into the production process, creating an excellent rate of «value for product».

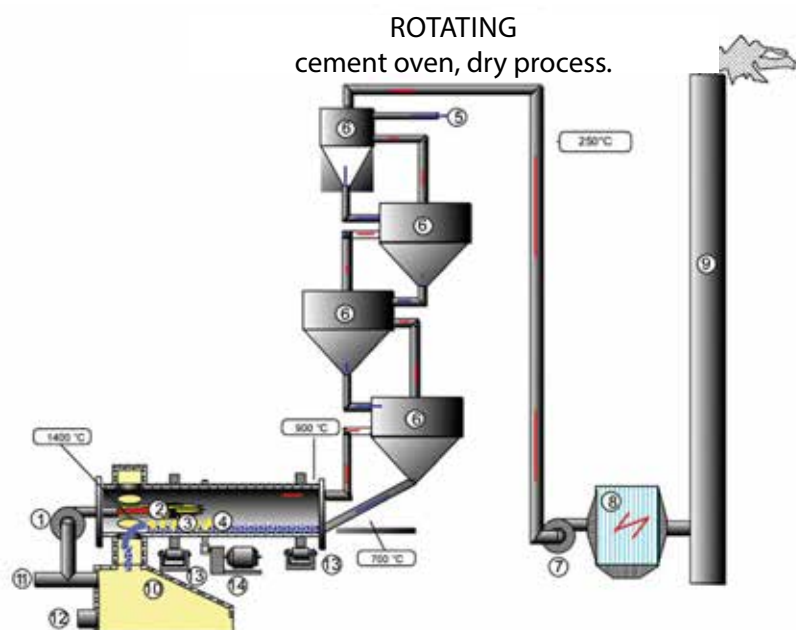
Cement manufacture requires continuous monitoring of combustion parameters and the stability of such parameters, which allows us to make the pledge of reliable waste management.

Cement production produces an almost undetectable level of dioxin emissions (3-5 times less than the existing standard).

In order to reduce its ecological footprint, EUROPOLY employs the services of a company specialised in waste management, specifically in transportation, storage and value-adding.

- 1: Burner
- 2: 1.700 °C flame
- 3: 1.300 to 1.400 °C clinker zone
- 4: Matter flow
- 5: Raw powder entry
- 6: Multi- cyclone preheater
- 7: Draught fan
- 8: Electro filter
- 9: chimney
- 10: Cooler
- 11: Mixing gas
- 12: Cooling gas
- 13: Rollers
- 14: Rotating gear motor.

----- Circulation of hot gas
----- Circulation of matter



GENSOLLEN, AN EXPERIENCED COMPANY



GENSOLLEN is dynamic and expert in its field. It is a company specializing in the manufacturing of shelters, enclosures and canopies made of thermally insulated fiber-glass reinforced polyester.

OUR EXPERTISE

Our company has a 40-year experience of working for the industrial sector. We offer a wide range of products to meet your needs in harsh environments, whether indoors or outdoors.



Shelters, booths,
trailers



Enclosures, analyser
shelters, awnings



Instrumentation,
regulators, sampling
rods, pressure-
reducing station



Shelters' layout,
integration of your
equipment, electrical
cabling



GENSOLLEN

ACHIEVEMENTS



GENSOLLEN

A company from the Group:



EUROPOLY
La Référence Polyester



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