

FIBOX

Enclosing innovations



Cabinet Overview

FIBOX CABINETS

Benefits against steel

- Corrosion resistant
- Electrically insulated
- Around 100 versions available off the shelf
- Assembly friendly designs requiring little or no post installation maintenance
- Easily customized and machined with option of cable management accessories
- Ease of assembly with minimum fittings saves labour costs
- Weight up to 60% less than steel alternatives

CAB P



- IP 66
- IK 10
- Material glass fibre reinforced polyester
- Maintenance free and corrosion resistant
- Hinged, reversible, sealable, with snap-on fixing cover plate
- Integral hinges

Universal multipurpose polyester cabinets for indoor and outdoor applications. Ideal for high performance applications in heavy industry, steel works, oil refineries, breweries, shipyards, public utilities, waste water treatment, public lighting, traffic control and signalling. Very high chemical resistance.

Multipurpose cabinets for harsh and demanding environments

Fibox cabinets are designed to enclose and protect your equipment and devices in all conditions, even the harshest and most demanding environments. Fibox cabinets continually outperform conventional steel cabinets. The wide selection of Fibox plastic and polyester cabinets guarantee a perfect solution for every enclosure application.



ENCLOSURES

| Order Symbol | Dimensions | Description |
|-----------------|------------------|---|
| CAB P 302017 | 315 x 215 x 170 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 403017 | 415 x 315 x 170 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 504023 | 515 x 415 x 230 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 604023 | 615 x 415 x 230 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 705027 | 735 x 535 x 270 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 806030 | 835 x 635 x 300 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 1008030 | 1035 x 835 x 300 | Polyester cabinet with double bit lock 3mm, grey door |
| CAB P 403017 S | 415 x 315 x 170 | Polyester cabinet with handle, grey door |
| CAB P 504023 S | 515 x 415 x 230 | Polyester cabinet with handle, grey door |
| CAB P 604023 S | 615 x 415 x 230 | Polyester cabinet with handle, grey door |
| CAB P 705027 S | 735 x 535 x 270 | Polyester cabinet with handle, grey door |
| CAB P 806030 S | 835 x 635 x 300 | Polyester cabinet with handle, grey door |
| CAB P 1008030 S | 1035 x 835 x 300 | Polyester cabinet with handle, grey door |

Cabinets with glazed door (polycarbonate window) also available (IP 55)

ACCESSORIES

Mounting plates

| Base size | Dimensions | Galvanized steel | Perforated, Galvanized steel | Pertinax |
|-----------|------------|------------------|------------------------------|-----------|
| 3020 | 250 x 150 | MP 3020 | MPP 3020 | MPX 3020 |
| 4030 | 350 x 250 | MP 4030 | MPP 4030 | MPX 4030 |
| 5040 | 450 x 350 | MP 5040 | MPP 5040 | MPX 5040 |
| 6040 | 550 x 350 | MP 6040 | MPP 6040 | MPX 6040 |
| 7050 | 650 x 450 | MP 7050 | MPP 7050 | MPX 7050 |
| 8060 | 750 x 550 | MP 8060 | MPP 8060 | MPX 8060 |
| 10080 | 950 x 750 | MP 10080 | MPP 10080 | MPX 10080 |

Front plates

| Base size | Dimensions | Front Plate with DIN openings | Swing door / Front Plate | Mounting Frame with DIN-rails |
|-----------|------------|-------------------------------|--------------------------|-------------------------------|
| 3020 | 279 x 162 | FP 3020-2x6 | FP 3020-D | MF 3020 (2 rails) |
| 4030 | 379 x 262 | FP 4030-2x12 | FP 4030-D | MF 4030 (2 rails) |
| 5040 | 479 x 362 | FP 5040-3x18 | FP 5040-D | MF 5040 (3 rails) |
| 6040 | 579 x 362 | FP 6040-3x18 | FP 6040-D | MF 6040 (3 rails) |
| 7050 | 690 x 462 | FP 7050-4x22 | FP 7050-D | MF 7050 (4 rails) |
| 8060 | 790 x 562 | FP 8060-4x24 | FP 8060-D | MF 8060 (4 rails) |
| 10080 | 990 x 762 | FP 10080-5x36 | FP 10080-D | MF10080 (5 rails) |

| | | | |
|-----------|-----------------------------------|-----------|--|
| MB CAB | Swing door set | MB CABM4 | Mounting Nuts for Perforated Mounting Plates, M4 |
| MF CAB | Wall Fastening Lug (Metal, 4 pcs) | MB CABM5 | Mounting Nuts for Perforated Mounting Plates, M5 |
| TF CAB | Wall Fastening Lug (PA, 4pcs) | MB CABM6 | Mounting Nuts for Perforated Mounting Plates, M6 |
| MB VG CAB | Ventilation Grid (IP 44) | MBS CAB P | Accessory set: Wall fastening lugs and screws; nuts, bolts and washers for Mounting Plate; key |

CAB PX



- IP 65
- IK 10 (IP 55-IK 07 for cabinets with glazed door)
- Patented doorlifter ensures the door takes it's center position during closing (on larger sizes)
- Total insulation
- Corrosion resistant and maintenance free
- Door with a five-point locking mechanism (three-point for 500 mm widths) controlled by a single central operating handle

CAB PX multipurpose polyester cabinets for indoor and outdoor wall mounted or stand alone use. CAB PX enclosures have got strong chemical resistance, easy-to-use 5-point locking, also available with glazed door options. Key applications are water treatment plants, waste management, telecommunications, traffic signalling, public transport, shipyards, mining, paper & pulp, food & beverage.

ENCLOSURES

| Order Symbol | Dimensions | Description |
|--------------------|-------------------|---|
| CAB PX 505032 | 500 x 500 x 320 | Polyester cabinet, grey door with handle |
| CAB PX 507532 | 500 x 750 x 320 | Polyester cabinet, grey door, handle on the short side |
| CAB PX 755032 | 750 x 500 x 320 | Polyester cabinet, grey door, handle on the long side |
| CAB PX 757532 | 750 x 750 x 320 | Polyester cabinet, grey door with handle |
| CAB PX 7510032 | 750 x 1000 x 320 | Polyester cabinet, grey door, handle on the short side |
| CAB PX 7512532-2D | 750 x 1250 x 320 | Polyester cabinet, grey double doors with handles |
| CAB PX 1005032 | 1000 x 500 x 320 | Polyester cabinet, grey door, handle on the long side |
| CAB PX 1007532 | 1000 x 750 x 320 | Polyester cabinet, grey door, handle on the long side |
| CAB PX 10010032 | 1000 x 1000 x 320 | Polyester cabinet, grey door with handle |
| CAB PX 10010032-2D | 1000 x 1000 x 320 | Polyester cabinet, grey double doors with handles |
| CAB PX 10012532-2D | 1000 x 1250 x 320 | Polyester cabinet, grey double doors with handles |
| CAB PX 1257532 | 1250 x 750 x 320 | Polyester cabinet, grey door, handle on the long side |
| CAB PX 12510032-2D | 1250 x 1000 x 320 | Polyester cabinet, 2 grey doors, handles on the long side |
| CAB PX 12510032-2C | 1250 x 1000 x 320 | Polyester cabinet, grey standard and trap door with handles |

Cabinets with glazed door (polycarbonate window) also available (IP 55)

ACCESSORIES

Mounting plates

| Base size | Dimensions | Steel 2mm | Pertinax 5mm |
|--------------|--|-----------------|--------------|
| 5050 | 390 x 390 | MP 55 | MPX 55 |
| 5075, 7550 | 640 x 390 | MP 75 | MPX 75 |
| 7575 | 640 x 640 | MP 77 | MPX 77 |
| 75100, 10075 | 890 x 640 | MP 107 | MPX 107 |
| 75125, 12575 | 1140 x 640 | MP 127 | MPX 127 |
| 10050 | 890 x 390 | MP 105 | MPX 105 |
| 100100 | 890 x 890 | MP 1010 | MPX 1010 |
| 125100 | 1140 x 890 | MP 1210 | MPX 1210 |
| WPX 5 | Rainhood | 550 x 370 x 50 | |
| WPX 7 | Rainhood | 800 x 370 x 50 | |
| WPX 10 | Rainhood | 1050 x 370 x 50 | |
| WPX 12 | Rainhood | 1300 x 370 x 50 | |
| FMF 5 | Floor mounting frame | 500 x 320 x 65 | |
| FMF 7 | Floor mounting frame | 750 x 320 x 65 | |
| FMF 10 | Floor mounting frame | 1000 x 320 x 65 | |
| FMF 12 | Floor mounting frame | 1250 x 320 x 65 | |
| A750DIN1 | Adaptor 750 DIN1 | | |
| A1000DIN2 | Adaptor 1000 DIN2 | | |
| ADIN1 | EH polyester DIN base set, size 900 x 780 x 310 | | |
| ADIN2 | EH polyester DIN base set, size 900 x 1100 x 310 | | |
| MR 33528 | Depth adjustment mounting set (4 pcs) | | |
| FP 33651 | Wall fastening lug set (4 pcs) | | |
| FP 33624 | Wall fastening lugs to be used with rainhood (4 pcs) | | |



Rainhood



Floor mounting frame



CAB PX12510032-2D

CAB PC / ABS



- IP 65
- IK 08
- Excellent flame resistant (PC)
- Impact resistant design
- Adjustable depth for front panel
- RoHS compliant and halogen free

CAB PC high impact resistant polycarbonate wall mounting cabinets withstand harsh industrial and outdoor environments. CAB ABS is economical option for indoor applications. CAB PC/ABS cabinets are produced with hinged covers with superior surface qualities. Transparent cover options allow easy viewing of installed equipment and indicators. Polycarbonate cabinets are ideal for applications where excellent flammability rating is a must. CAB PC/ABS cabinets are widely used in industries such as telecommunication, agriculture, air-conditioning and ventilation as well as remote measurement applications.

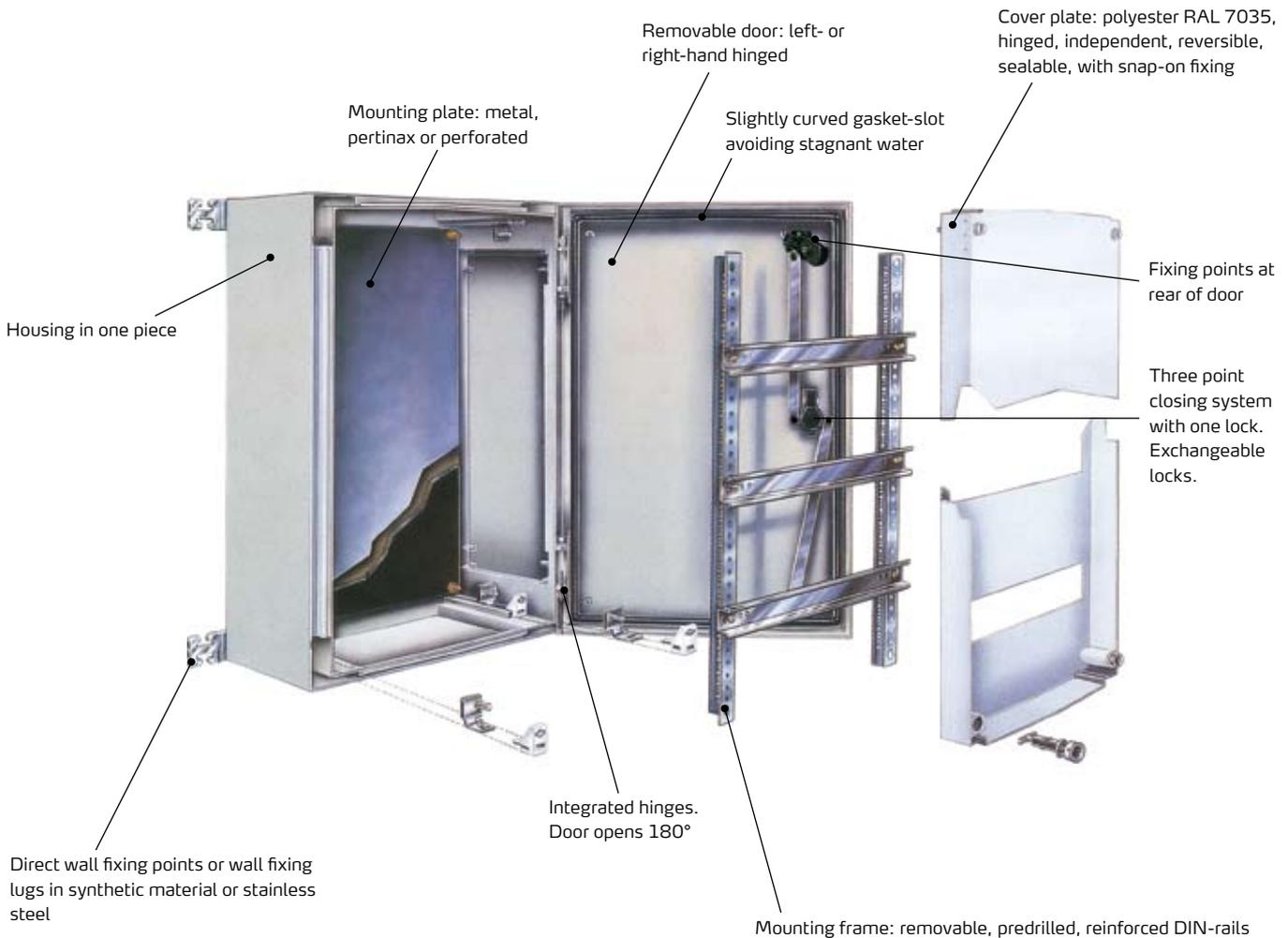
ENCLOSURES

| Order Symbol PC | Order Symbol ABS | Dimensions | Description |
|-------------------|--------------------|-----------------|--|
| CAB PC 151511 G | CAB ABS 151511 G | 150 x 150 x 110 | Cabinet, PC or ABS, grey door, latch on the short side |
| CAB PC 151511 T | CAB ABS 151511 T | 150 x 150 x 110 | Cabinet, PC or ABS, smoked transparent door, latch on the short side |
| CAB PC 203018 G | CAB ABS 203018 G | 200 x 300 x 180 | Cabinet, PC or ABS, grey door, latch on the short side |
| CAB PC 302018 G | CAB ABS 302018 G | 300 x 200 x 180 | Cabinet, PC or ABS, grey door, latches on the long side |
| CAB PC 302018 G3B | CAB ABS 302018 G3B | 300 x 200 x 180 | Cabinet, PC or ABS, grey door, lock on the long side |
| CAB PC 203018 T | CAB ABS 203018 T | 200 x 300 x 180 | Cabinet, PC or ABS, smoked transparent door, latch on the short side |
| CAB PC 302018 T | CAB ABS 302018 T | 300 x 200 x 180 | Cabinet, PC or ABS, smoked transparent door, latches on the long side |
| CAB PC 302018 T3B | CAB ABS 302018 T3B | 300 x 200 x 180 | Cabinet, PC or ABS, smoked transparent door, lock on the long side |
| CAB PC 303018 G | CAB ABS 303018 G | 300 x 300 x 180 | Cabinet, PC or ABS, grey door, latches on the long side |
| CAB PC 303018 G3B | CAB ABS 303018 G3B | 300 x 300 x 180 | Cabinet, PC or ABS, grey door, lock on the long side |
| CAB PC 303018 T | CAB ABS 303018 T | 300 x 300 x 180 | Cabinet, PC or ABS, smoked transparent door, latches on the long side |
| CAB PC 303018 T3B | CAB ABS 303018 T3B | 300 x 300 x 180 | Cabinet, PC or ABS, smoked transparent door, lock on the long side |
| CAB PC 304018 G | CAB ABS 304018 G | 300 x 400 x 180 | Cabinet, PC or ABS, grey door, latches on the short side |
| CAB PC 403018 G | CAB ABS 403018 G | 400 x 300 x 180 | Cabinet, PC or ABS, grey door, latches on the long side |
| CAB PC 403018 G3B | CAB ABS 403018 G3B | 400 x 300 x 180 | Cabinet, PC or ABS, grey door, locks on the long side |
| CAB PC 304018 T | CAB ABS 304018 T | 300 x 400 x 180 | Cabinet, PC or ABS, smoked transparent door, latches on the short side |
| CAB PC 403018 T | CAB ABS 403018 T | 400 x 300 x 180 | Cabinet, PC or ABS, smoked transparent door, latches on the long side |
| CAB PC 403018 T3B | CAB ABS 403018 T3B | 400 x 300 x 180 | Cabinet, PC or ABS, smoked transparent door, locks on the long side |
| CAB PC 405020 G | CAB ABS 405020 G | 400 x 500 x 200 | Cabinet, PC or ABS, grey door, latches on the short side |
| CAB PC 504020 G | CAB ABS 504020 G | 500 x 400 x 200 | Cabinet, PC or ABS, grey door, latches on the long side |
| CAB PC 504020 G3B | CAB ABS 504020 G3B | 500 x 400 x 200 | Cabinet, PC or ABS, grey door, locks on the long side |
| CAB PC 405020 T | CAB ABS 405020 T | 400 x 500 x 200 | Cabinet, PC or ABS, smoked transparent door, latches on the short side |
| CAB PC 504020 T | CAB ABS 504020 T | 500 x 400 x 200 | Cabinet, PC or ABS, smoked transparent door, latches on the long side |
| CAB PC 504020 T3B | CAB ABS 504020 T3B | 500 x 400 x 200 | Cabinet, PC or ABS, smoked transparent door, locks on the long side |
| CAB PC 604022 G | CAB ABS 604022 G | 600 x 400 x 220 | Cabinet, PC or ABS, grey door, latches on the long side |
| CAB PC 604022 G3B | CAB ABS 604022 G3B | 600 x 400 x 220 | Cabinet, PC or ABS, grey door, locks on the long side |
| CAB PC 604022 T | CAB ABS 604022 T | 600 x 400 x 220 | Cabinet, PC or ABS, smoked transparent door, latches on the long side |
| CAB PC 604022 T3B | CAB ABS 604022 T3B | 600 x 400 x 220 | Cabinet, PC or ABS, smoked transparent door, locks on the long side |

ACCESSORIES

| Base size | Front plates, Aluminium | Front plates with module openings | Formed front plates |
|-----------|-----------------------------------|---|---------------------|
| 23 | FP A 23 | FP 12-23 | FP 23 |
| 33 | FP A 33 | FP 12-33, FP 12x2-33 | FP 33 |
| 43 | FP A 43 | FP 12x2-43, FP 12x3-43 | FP 43 |
| 54 | FP A 54 | FP 18X2-54 | FP 54 |
| 64 | FP A 64 | FP 18x3-64 | FP 64 |
| Base size | Mounting plates, Galvanized steel | DIN-35 Mounting rails, Galvanized steel | DIN rail frame sets |
| 15 | EKIV 15 | TRH 15 | |
| 23 | EKIV 23 | EKIV 17, EKIV 27 | DRF 23 |
| 33 | EKIV 33 | EKIV 27 | DRF 33 |
| 43 | EKIV 43 | EKIV 27, EKIV 37 | DRF 43/44 |
| 54 | EKIV 54 | EKIV 37, EKIV 47 | DRF 54 |
| 64 | EKIV 64H | EKIV 37 | DRF 63/64 |

| | | | |
|-------------|--|---------------|--|
| MB 12225 AL | Swing door set, for aluminium front plates | PM 120 | Pole mount set, pole diameter min 100 max 120 mm |
| MB 12225 | Swing door set, for plastic front plates | FA 12053 | Spacer 14 mm, M5 self-cutting |
| FP 12190 | DIN rail support | FA 12052 | Spacer 42 mm, M5 self-cutting |
| FP 12190SET | DIN rail support set | M5 x 8 | Mounting screw for spacer |
| MB CH SET | Hinge set, for CAB/Quick | MB 10686 | Set of 2 spacers including screws (15/34 mm) |
| FP 12017 | Wall fastening lug (4 pcs) incl. screws | M5M PT 5 x 10 | Mounting screw |
| SP 12087 | Corner plug, red | MB 12235 KEY | Plastic key for the lock |
| PM 60 | Pole mount set, pole diameter min 50 max 70 mm | | |



CAB TECHNICAL INFORMATION

| PROPERTY | POLYCARBONATE (PC) | ABS | POLYESTER (GRP) |
|--------------------------------|---|---------------------------------|--------------------------------------|
| Ingress Protection (EN 60529) | IP 65 | IP 65 | IP 66 CAB P IP 65 CAB PX |
| Impact Resistance (EN 62262) | IK 08 | IK 08 | IK 10 grey door IK 07 glazed door |
| Temperature Range (short term) | Celsius -40° . . 120°C Fahrenheit -40° . . 250°F | -40° . . 80°C -40° . . 175°F | -50° . . 150°C -60° . . 302°F |
| Temperature Range (continuous) | Celsius -40° . . 80°C Fahrenheit -40° . . 175°F | -40° . . 60°C -40° . . 140°F | -40° . . 70°C -40° . . 158°F |
| Electrical Insulation | Totally insulated ☐ | Totally insulated ☐ | Totally insulated ☐ |
| Light Grey Parts Colour | RAL 7035 Industry Grey | RAL 7035 Industry Grey | RAL 7035 Industry Grey |
| Transparent Covers | Smoked transparent | Smoked transparent | Clear window |
| Hinges and Latches (PC) | RAL 7035 | RAL 7035 | RAL 7035 |
| Gasket | PUR/EPDM | PUR/EPDM | PUR |
| Enclosure Flammability Rating | UL 94-5V | UL 94HB | UL 94HB |
| Glow Wire Test (IEC 695-2-1) | | | |
| Self-extinguishing (PC) | 960°C | 650°C | 960°C |
| Non-toxicity | Halogen Free | Halogen Free | Halogen Free |
| UV resistance | UL 508 | | approved for outdoor use |
| (UL 746C CAB P & CAB PX) | 720 hours in "Weatherometer" | | |
| Chemical Resistance* | Good | Moderate | Excellent |

Data subject to change without notice. *Consult separate raw material data for more detailed information

CONFORMITY TO STANDARDS

USA Enclosures for Electrical Equipment
 PC: UL Type 1, 4, 4X, 12 or 13;
 UL File E75645 Vol 1 Sec 6;
 UL 746C-5VA flame test (UL 50/508)
 ABS: NEMA 1, 4, 4X, 12 or 13
 GRP: NEMA 3, 3R, 3S, 4, 4X, 12, 12K (CAB PX) or 13
Canada Industrial Control Equipment Enclosures for Electrical Equipment/ULc (PC, ABS)
Europe
 Specification for degrees of protection provided by enclosures EN 60529 (GRP)
 Empty enclosures for low-voltage switchgear and control gear assemblies EN 62208 (PC, ABS, GRP)
 Degrees of protection provided by enclosures for electrical equipment against mechanical impacts EN 62262 (GRP)
 Specification for low-voltage switchgear and controlgear assemblies EN 60439-5 (GRP)
 Safety of Information Technology Equipment EN 60950 (PC, ABS)
RoHS directive 2002/95/EC (PC, ABS, CAB P)
Russia GostR Russian certificate of conformity (PC, ABS)

Fibox Enclosures

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Fibox, a privately owned Finnish company, is one of the largest enclosure manufacturers in the world, and is the market leader in thermo-plastic enclosures used for protecting electrical and electronic components operating in hostile environments. Fibox enclosures are manufactured in modern factories located in Finland, Germany, China and Republic of Korea.

www.fibox.com

ABOUT FIBOX

OVER 1000 CHOICES TO FACE THE MOST DEMANDING ENVIRONMENTS

The Fibox range of standard enclosures provides the designer with over 1000 choices for packaging electrical and electronics equipment operating in hostile environments. Fibox enclosures comply with EN 60529 (IEC 529) and UL50/508. Most of our enclosures have achieved ingress ratings of IP 66/IP 67 and NEMA 4X and 6, 6P. Enclosure performance is verified by independent laboratory testing and on-going monitoring of production. With over 700 standard accessories, Fibox enclosures are easy to use and flexible. Standard solutions exist for panel mounting, hinging inner doors, wire and cable management and air ventilation.

CUSTOMISED ENCLOSURES

To increase the range and flexibility of our packaging solutions, Fibox has developed a comprehensive range of services, permitting cost effective customisation for specific applications. The two most important of these are machining services and customised tooling. Our advanced CNC machinery can supply enclosures with holes, cutouts and openings to your specification. Painting and screen printing is also available. For large OEM volumes, our sophisticated, multiple slide tooling permits cost effective modification of any side of the enclosure. CAD drawings of standard enclosures are available at www.fibox.com to aid the engineer in creating the most cost-effective customisation.