

# 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

## 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.



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.

### 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.

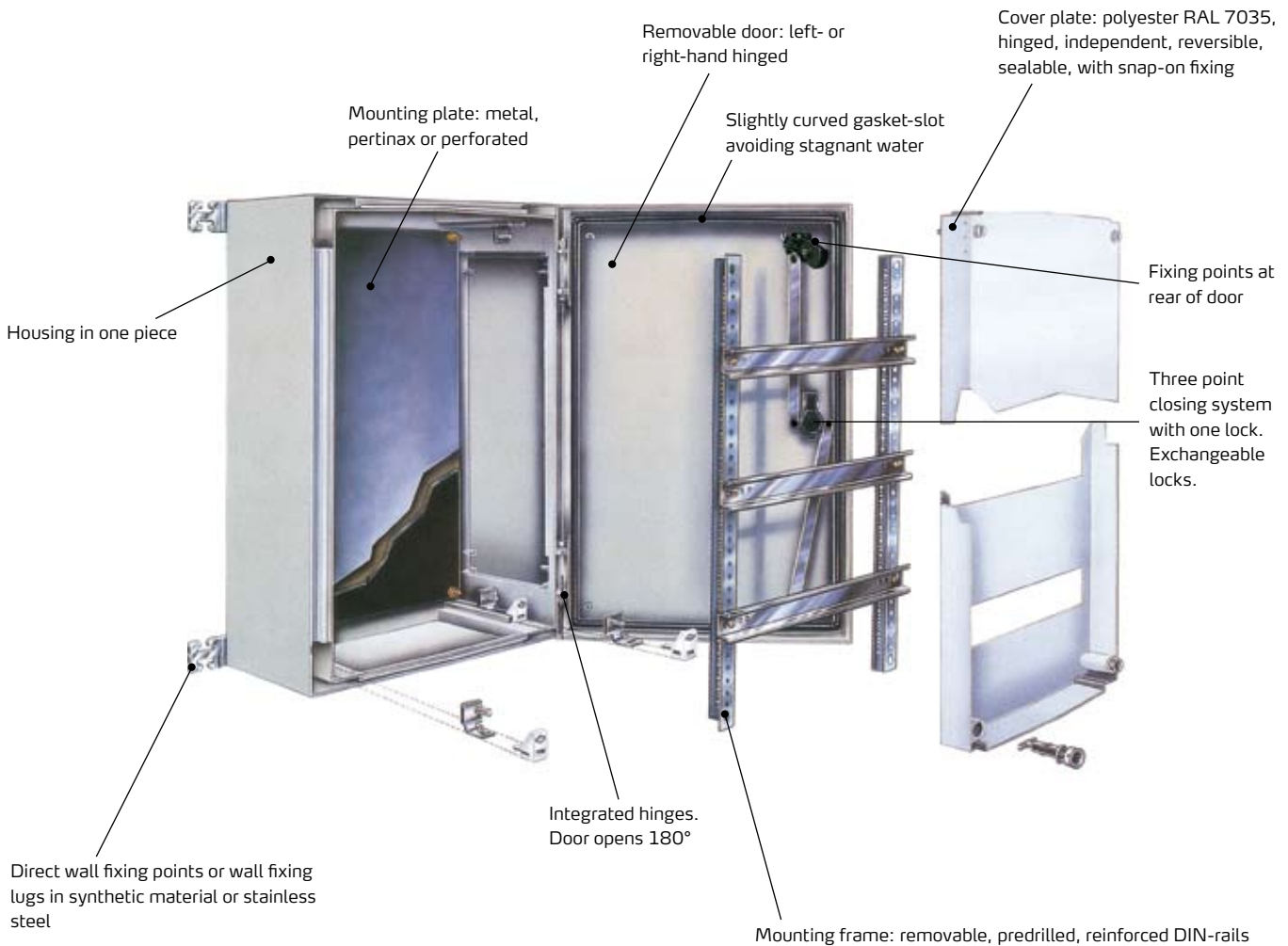
### ENCLOSURES

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](http://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](http://www.fibox.com) to aid the engineer in creating the most cost-effective customisation.