

**FIBOX**  
Enclosing innovations



**Cabinet Overview**

## FIBOX CABINETS

## Multipurpose cabinets for harsh and demanding environments

### Benefits against steel

- corrosion resistant
- electrically insulated
- around 100 versions available off the self
- 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



- IP66
- IK10
- Material is 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.

Order Symbol	Dimensions	Description
CAB P 302017	300 x 200 x 170	Polyester cabinet with double bit lock 3mm, grey door
CAB P 403017	400 x 300 x 170	Polyester cabinet with double bit lock 3mm, grey door
CAB P 504023	500 x 400 x 230	Polyester cabinet with double bit lock 3mm, grey door
CAB P 604023	600 x 400 x 230	Polyester cabinet with double bit lock 3mm, grey door
CAB P 705027	700 x 500 x 270	Polyester cabinet with double bit lock 3mm, grey door
CAB P 806030	800 x 600 x 300	Polyester cabinet with double bit lock 3mm, grey door
CAB P 1008030	1000 x 800 x 300	Polyester cabinet with double bit lock 3mm, grey door
CAB P 403017 S	400 x 300 x 170	Polyester cabinet with handle, grey door
CAB P 504023 S	500 x 400 x 230	Polyester cabinet with handle, grey door
CAB P 604023 S	600 x 400 x 230	Polyester cabinet with handle, grey door
CAB P 705027 S	700 x 500 x 270	Polyester cabinet with handle, grey door
CAB P 806030 S	800 x 600 x 300	Polyester cabinet with handle, grey door
CAB P 1008030 S	1000 x 800 x 300	Polyester cabinet with handle, grey door

### CAB PX



- IP65
- IK10 (IP55-IK07 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.

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 (IP55)

## CAB PC / ABS



- IP 65
- IK 08
- Excellent flame resistant
- 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.

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

### TECHNICAL INFORMATION

PROPERTY	POLYCARBONATE (PC)	ABS	POLYESTER (GRP)	CONFORMITY TO STANDARDS
Ingress Protection (EN 60529)	IP 65	IP 65	IP 66 CAB P IP 65 CAB PX	<b>USA</b> 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)
Impact Resistance (EN 62262)	IK 08	IK 08	IK 10 grey door IK 07 glazed door	<b>ABS:</b> NEMA 1, 4, 4X, 12 or 13 <b>GRP:</b> NEMA 1, 3, 3R, 3S, 4, 4X, 12 or 13
Temperature Range (short term)	Celsius -40° . . 120°C Fahrenheit -40° . . 250°F	-40° . . 80°C -40° . . 175°F	-50° . . 150°C -60° . . 302°F	<b>Canada</b> Industrial Control Equipment Enclosures for Electrical Equipment/ULC
Temperature Range (continuous)	Celsius -40° . . 80°C Fahrenheit -40° . . 175°F	-40° . . 60°C -40° . . 140°F	-40° . . 70°C -40° . . 158°F	<b>Europe</b> Empty enclosures for low-voltage switchgear and controlgear assemblies EN 62208:2003 (50298:1998)
Electrical Insulation	Totally insulated <input checked="" type="checkbox"/>	Totally insulated <input checked="" type="checkbox"/>	Totally insulated <input checked="" type="checkbox"/>	<b>Europe</b> Safety of Information Technology Equipment EN 60950
Light Grey Parts Colour	RAL 7035 Industry Grey	RAL 7035 Industry Grey	RAL 7035 Industry Grey	<b>RoHS</b> directive 2002/95/EC
Transparent Covers	Smoked transparent	Smoked transparent	Clear window	<b>Russia</b> GostR Russian certificate of conformity
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&GRP)	960°C	650°C	960°C	
Non-toxicity	Halogen Free	Halogen Free	Halogen Free	
UV resistance	UL 508 720 hours in "Weatherometer"			
Chemical Resistance*	Good	Moderate	Excellent	

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

## Fibox Enclosures

Fibox Oy Ab, PO Box 16  
FI-02421 Jorvas, Finland  
Tel. +358 (0)207 785 700  
Fax +358 (0)207 785 702  
info@fibox.fi

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.