FIBOX
Enclosing innovations

FIBOX WATER AND WASTE WATER SOLUTIONS

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ENCLOSURES FOR WATER AND WASTE WATER

Water scarcity is one of the major problems in the world and millions of people have no access to freshwater. Additionally with global climate change we find ourselves looking to save and reuse as much natural water as possible.

Untreated industrial wastewater being discharged into the open drains, lakes, and rivers that lead to environmental pollution and severe health hazards are being challenged too, and programes and projects are being designed, installed and supported to make dramatic improvements on the quality of water, and wastewater globally.

Solutions for water and wastewater treatment facilities require electrical enclosures that can withstand harsh environments. Enclosures for water treatment applications need to be tough, ensuring that your electrical equipment is secure and dry, providing outstanding protection from all that Mother Nature throws at us. Fibox enclosures, cabinets, and HMI covers serve many leading manufacturers of controls and instrumentation throughout the entire water treatment process.

Our Fibox Arca range and non-metallic polycarbonate enclosures are ideal for the rigors of a water treatment plant, and solutions for water projects. Not only for today but for the future.

WHY FIBOX

Fibox offers a comprehensive range of enclosures designed specifically for the demanding environments of the water and wastewater industry. These enclosures provide a reliable and durable solution for housing critical control components, ensuring optimal system performance.

We offer enclosures designed for all water and waste-water projects, including handling systems, pumps and controls, and remote monitoring for pollution prevention. Our products ensure optimal performance, delivering quality, reliability, and confidence from start to finish. Fibox Enclosures are your trusted solution for all your enclosure needs.

Our range of enclosures are designed specifically to deliver a watertight and weatherproof option, UV protected, and corrosion-resistant thermoplastic ensures Fibox products will not corrode, making them the most cost-effective, low-maintenance solutions for harsh and demanding environments.

Fibox enclosures can be used for

Control System Panels: ARCA - IEC and CAB series are wall mountable cabinet style enclosures. Wi-Fi friendly, Water-tight and UV Resistance make them perfect for indoor or outdoor installation

Junction Boxes: ARCA - IEC and MNX keep connections dry and safe in any location.

Remote Monitoring: ARCA - IEC, EURONORD, SOLID, and MNX protect wireless sensors.

Display Panels: ARCA - IEC, CAB, MNX and the PW series offer transparent covers that protect displays and readouts and provide secure access.

Fibox Customising services

All Fibox enclosures can be customised, offering a delivered product to meet your project requirements.

Our services include:

- **Machining for knockouts or openings**
- **Silk Screen printing**
- **Coloured enclosures**
- **Assembly service**

ARCA – IEC

Water & Waste Control, Distribution Panel Cabinet

The ARCA- IEC is the largest Polycarbonate enclosure on the market, ideal for housing distribution and control panels for water and waste water projects.

Driven by market demand, the ARCA - IEC is the ideal, cost-effective alternative to Steel or GRP powder coated cabinets needed in demanding locations. It features the strength of a metal box with the added benefits of lightweight, rust-free, high-grade thermoplastic.

Polycarbonate: IP 66, IK 10

DIMENSIONS MM		
200 x 300 x 150	400 x 300 x 210	500 x 700 x 300
300 x 200 x 150	400 x 400 x 210	600 x 400 x 210
300 x 300 x 210	400 x 500 x 210	600 x 800 x 300
300 x 400 x 150	400 x 600 x 210	700 x 500 x 300
300 x 400 x 210	500 x 400 x 210	800 x 600 x 300
400 x 300 x 150	500 x 500 x 210	

SOLID

Water & Waste Control, Panel Enclosure

SOLID enclosures are an excellent choice for housing control panels that are critical for the operation of any water-related program.

The SOLID series is available with screw and hinge covers.
The SOLID series features an extension frame, allowing for increased enclosure depth while maintaining all UL, IP, and IK classifications.

Polycarbonate: IP 66/67, IK09 (front surface) IK08 (side surface)

DIMENSIONS MM		
190 x 190 x 130	280 x 280 x 180	560 x 280 x 130
190 x 190 x 180	380 x 190 x 130	560 x 380 x 180
280 x 190 x 130	380 x 190 x 180	760 x 560 x 250
280 x 190 x 180	380 x 280 x 130	
280 x 280 x 130	380 x 280 x 180	

MNX

Water & Waste Remote Monitoring and Pump Controller Enclosure

For users needing an enclosure that supports pump controls or remote monitoring with an internal antenna, the MNX series is ideal for demanding environments.

MNX enclosures are designed to house and protect electrical and electronic components in hostile environments. This robust workhorse is an easy-to-install, worry-free solution.

Polycarbonate: IP 66/67, IK 08

DIMENSIONS MM			
100 x 100 x 35	130 x130 x 35	180 x 130 x 75 (KO)	255 x 180 x 63 (KO)
100 x 100 x 50	130 x 130 x 50	180 x 130 x 85 (KO)	255 x 180 x 75 (KO)
100 x 100 x 60 (KO)	130 x 130 x 100	180 x 130 x 100 (KO)	255 x 180 x 88
100 x 100 x 75 (KO)	130 x 130 x 60 (KO)	180 x 130 x 125 (KO)	255 x 180 x 100 (KO)
130 x 80 x 35	130 x 130 x 75 (KO)	180 x 130 x 150 (KO)	255 x 180 x 125 (KO)
130 x 80 x 50	130 x 130 x 100 (KO)	180 x 180 x 60 (KO)	255 x 180 x 150 (KO)
130 x 80 x 60 (KO)	130 x 130 x 125 (KO)	180 x 180 x 75 (KO)	255 x 180 x 175 (KO)
130 x 80 x 75 (KO)	180 x 130 x 35	180 x 180 x 100 (KO)	360 x 255 x 152
130 x 80 x 100 (KO)	180 x 130 x 50	180 x 180 x 125 (KO)	
130 x 80 x 125 (KO)	180 x 130 x 60 (KO)	180 x 180 x 150 (KO)	

EK

Water & Waste Control Distribution Modular Enclosure System

A truly modular enclosure range that allows you to build up and out using extension frames for larger projects that may change over time.

The range is supported with a wide range of sizes and depths, and a host of accessories to support and not let you down.

Polycarbonate: IP 66/67, IK09 (front surface) IK08 (side surface)

DIMENSIONS MM		
190 x 190 x 130	380 x 190 x 130	560 x 380 x 180
190 x 190 x 180	380 x 280 x 180	760 x 560 x 250
280 x 190 x 130	380 x 280 x 230	
280 x 190 x 180	560 x 280 x 130	

CARDMASTER

Water & Waste Instrumentation Enclosure

A clear and organized solution that allows you to visually monitor and access instrumentation information effectively.

The CARDMASTER features separate terminal wiring compartments for easy access and is available with or without knockouts.

Polycarbonate: IP 65, IK08 (front surface) IK07 (side surface)

DIMENSIONS MM		
166 x 160 x 80	213 x 185 x 90	314 x 260 x 95
188 x 160 x 106	235 x 185 x 119	320 x 260 x 129
166 x 160 x 89	213 x 185 x 102	314 x 260 x 110
166 x 160 x 108	257 x 219 x 122	383 x 316 x 134
188 x 160 x 134	280 x 219 x 156	390 x 316 x 167
166 x 160 x 188	257 x 219 x 135	

CAB PC

Water & Waste Control & Distribution Panel Cabinet

The CAB PC is a cabinet designed to provide the resistance and strength required for harsh environments, particularly in water projects exposed to daily elements.

CAB PC can be supplied with either a lock or a latch, depending on the level of security or accessibility needed. We have you covered for all your requirements.

Polycarbonate: IP 65, IK08

DIMENSIONS MM		
200 x 300 x 180	400 x 300 x 180	600 x 400 x 220
300 x 200 x 180	400 x 500 x 200	615 x 415 x 230
300 x 300 x 180	415 x 315 x 170	735 x 535 x 270
300 x 400 x 180	500 x 400 x 200	835 x 635 x 300
315 x 215 x 170	515 x 415 x 230	1035 x 835 x 300

APPLICATIONS

- Sludge treatment
- Odour control
- Drinking water treatment
- Industrial water supply
- Irrigation

- River flow maintenance
- Groundwater monitoring
- Water recreation
- Returning water to the environment safely
- Remote Monitoring

Enclosures for All Weather

When deciding what enclosure to utilise for your water project, why compromise on:

- Particle Ingress
- Humidity and Temperature

- UV Exposure
- Water-tight

Fibox polycarbonate weatherproof enclosures offer the best of all worlds. All products are UL and Glow Wire tested (IEC 60695) and IP and IK rated, tested to extreme temperatures, offering a safe, dry, and dust-free environment in the event of the harshest of locations.

Rustproof

Fibox enclosure's thermoplastic polycarbonate construction resists corrosion and delivers long-lasting performance in any environment, keeping your critical components protected.

Ingress Protection

Designed to keep out water, dust, sand, and other airborne particles.

UV Resistance

Fibox Polycarbonate Enclosures are built to last. Tests simulating 25 years of direct sunlight showed Fibox enclosures outperform the competition in UV resistance and impact strength.

Fibox Polycarbonate Advantages

- **Rust-Free & Durable:** No delamination, lasting protection.
- **High Impact Resistance:** Absorbs impact and bounces back for superior protection.
- **Extended Field Life:** Saves you money on replacements.
- **WI-FI Friendly:** Clear signal, no bulky antenna needed.
- **Cost-Effective:** Lightweight, reduces shipping costs, with greater protection.
- **Water-Tight and Dust Free:** Keep components dry and particle free.

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Fibox Polycarbonate Advantages

Enclosing Water Innovations Fibox polycarbonate enclosures are the ideal choice for safeguarding critical components in water treatment plants and desalination facilities. These enclosures provide robust protection against harsh environmental conditions, including: Chemical exposure, Moisture and humidity.

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