



# IQ FUTURA MODULAR ACCESS SYSTEM



# IQ Futura Modular Access Chamber System

## Modular chamber solution for underground infrastructure

### Description and Application

The IQ FUTURA Modular Chamber System is a modular chamber system designed for the construction of underground infrastructure.

The system is made up of stackable composite and polypropylene (GRP/PP) sections that can be assembled to the required depth and dimensions.

The solution is used in infrastructure, telecom, rail and energy projects where low weight, high strength, and flexible installation are key requirements.

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### Key Features

- Flexible on-site configuration and adaptation
  - Low weight and fast installation
  - Strong construction and long service life
  - Tested for tightness, load resistance, and durability
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### Applications

- Road and utility networks
  - Energy and telecom infrastructure
  - Water and wastewater installations
  - Industrial chambers and technical facilities
  - Rail
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### Standards and Documentation

EN 124 – Load classes A15–F900

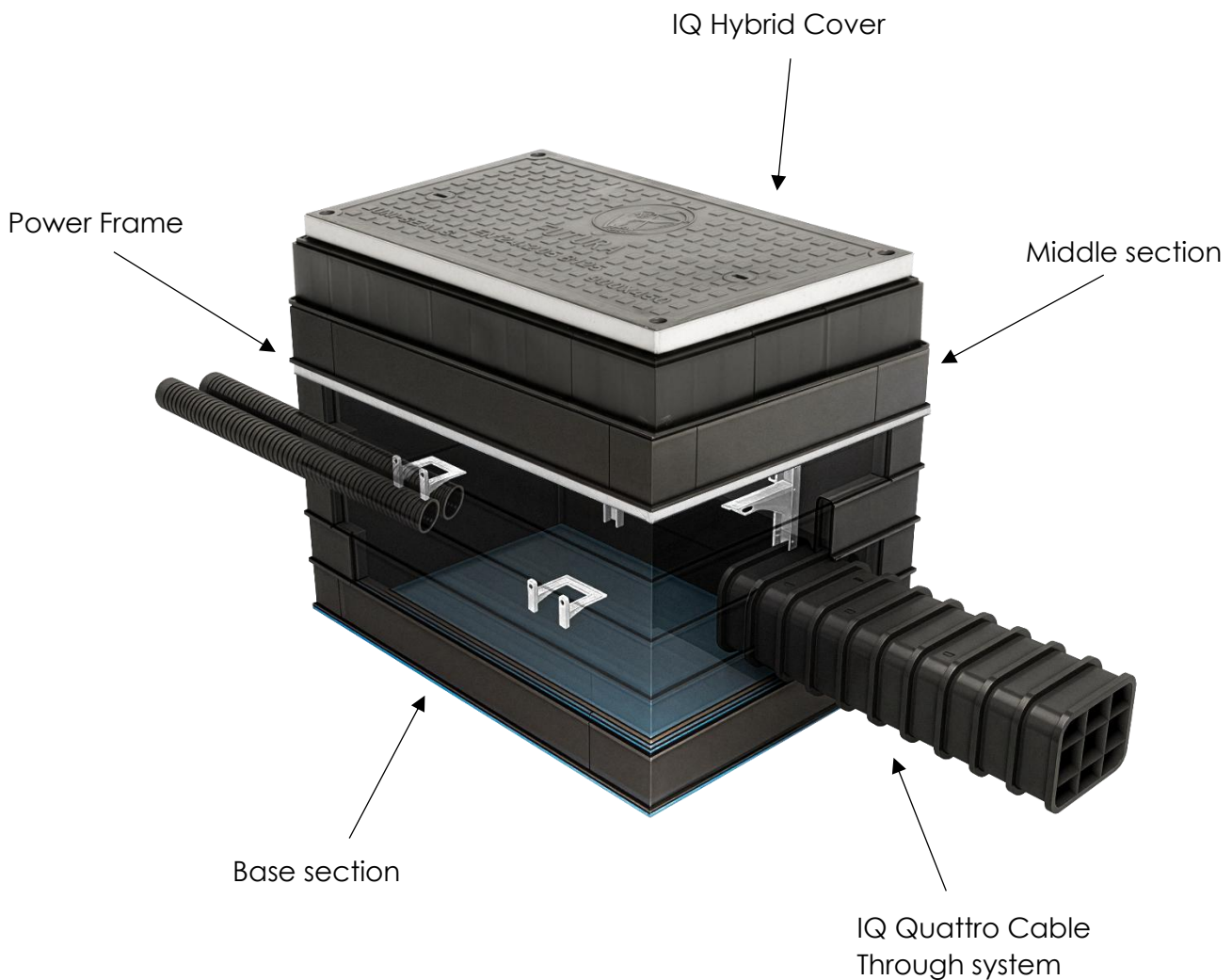
DGNB-compliant materials

Tested for strength, watertightness, and long-term durability

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## Technical Specifications

| Parameter                   | Specification  |
|-----------------------------|--|
| <b>Materials</b>            | Glass Fiber Reinforced Plastic (GRP) and Polypropylene (PP)    |
| <b>Construction</b>         | Modular, stackable design – 150 mm standard height per section |
| <b>Weight per section</b>   | 20–25 kg   |
| <b>Reinforcement</b>        | Optional additional GRP reinforcement / power frame            |
| <b>Load class</b>           | EN 124 A15–F900  |
| <b>Installation</b>         | Manual assembly without lifting equipment                      |
| <b>Corrosion resistance</b> | High – resistant to moisture, salt and chemicals               |
| <b>Maintenance</b>          | Minimal – corrosion-free construction                          |
| <b>Certifications</b>       | EN 124, DGNB-compliant materials, ISO 9001                     |



## Size overview – IQ Futura Cable Chambers

The table shows the internal and external dimensions of IQ Futura cable chambers. The external dimensions include the chamber wall thickness and are used for planning excavation and installation.

| Internal dimensions | External dimensions |
|---------------------|---------------------|
| 450×450             | 570×570             |
| 600×450             | 720×570             |
| 600×600             | 720×720             |
| 750×600             | 870×720             |
| 750×750             | 870×870             |
| 900×450             | 1020×570            |
| 900×600             | 1020×720            |
| 900×900             | 1020×1020           |
| 915×445             | 1035×565            |
| 1000×1000           | 1120×1120           |
| 1150×675            | 1270×795            |
| 1200×600            | 1320×720            |
| 1200×750            | 1320×870            |
| 1200×900            | 1320×1020           |
| 1200×1200           | 1320×1320           |
| 1275×825            | 1395×945            |
| 1310×610            | 1430×730            |
| 1500×1000           | 1620×1120           |
| 1500×1500           | 1620×1620           |
| 1800×1800           | 1920×1920           |
| 2050×2050           | 2170×2170           |

## Covers

We supply composite, cast iron, and block paving covers for our IQ Futura cable chambers. The table indicates the available load classes according to current standards, the maximum permissible load, and typical application areas.

| Cast Iron and Composite |        |   |
|-------------------------|--------|---|
| Class                   | Load   | Application   |
| A15                     | 1,5 T  | Areas used exclusively by pedestrians and cyclists                    |
| B125                    | 12,5 T | Footways, pedestrian areas and comparable areas; car parking areas    |
| C250                    | 25 T   | Areas at the edge of carriageways and road shoulders                  |
| D400                    | 40 T   | Carriageways and areas subject to high wheel loads                    |
| E600                    | 60 T   | Areas subject to very high wheel loads (e.g. docks, industrial areas) |
| F900                    | 90 T   | Areas subject to extremely high wheel loads (e.g. aircraft pavements) |

**\*Note:** Available cover types and load classes depend on the selected chamber size.

| Block Paving |  |
|--------------|--|
| Load         | Application  |
| 5 T          | Areas used exclusively by pedestrians and cyclists                       |
| 17 T         | Industrial areas with light traffic, e.g., trolleys, light pallet trucks |
| 38 T         | Factories, industrial sites, areas for goods delivery or parking         |

## Accessories

### Power frame (Reinforcement)

Used to stabilize chambers and protect against high vertical loads. Typical applications:

- Large size access chambers
- Deep installations
- Chambers near railways, tramways, or heavy traffic areas



Available in all sizes for Futura cable chambers; easily installed between sections. Bright color ensures visibility and prevents drilling into it. Can compensate for minor level differences.

Made of glass fiber-reinforced polyester (GFRP) maintenance-free, non-corrosive.

### Rubber Pipe Seal Connectors

- Holes for pipe penetrations drilled with cup drill and jigsaw
- We recommend drilling with light pressure and slight rocking movements
- Follow rules:
  - Min. 40 mm between holes
  - Min. 120 mm from outer edge
  - Do not drill into Power frame
  - Drilling through sections is allowed



Installation of rubber pipe seal connectors in chambers

- Installed in drilled holes before pipes can be inserted into the chamber
- No adhesive required
- A lubricant can be helpful applied to the inside of the rubber pipe seal connector before the pipe is inserted in the chamber

### Futura Metal Steps

Used in tall chambers for safe access. Easily installed. Order from supplier.



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