



IQ BASTION MODULAR PP CHAMBER



Bastion PP Modular access system

Description and Application

Bastion PP is a modular chamber system designed for cable and utility installations with moderate load requirements. The system is manufactured from polypropylene (PP) and is designed for easy handling, flexible configuration, and efficient installation. The system is based on a stackable design, allowing the height to be adjusted using extension sections.

Features

- Modular and stackable system
 - Lightweight – suitable for manual installation
 - High chemical resistance
 - Corrosion-resistant (non-metallic construction)
 - Watertight design
 - Long service life
 - Minimal maintenance
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Applications

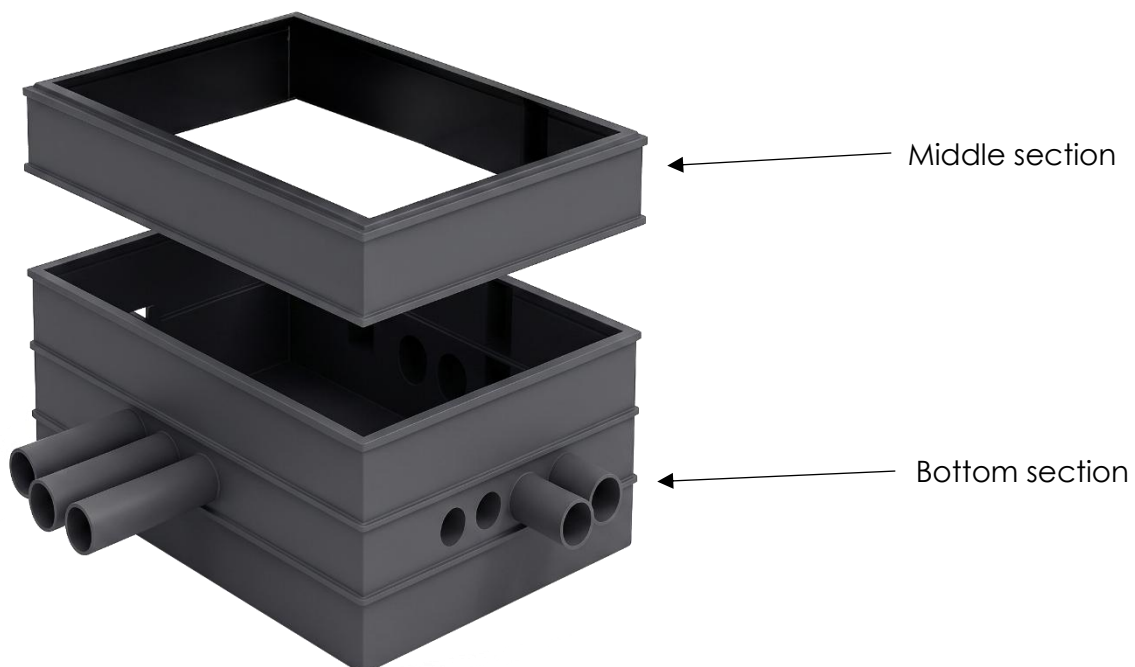
- Road and utility networks
 - Energy and telecommunications infrastructure
 - Water supply and drainage installations
 - Industrial chambers and technical installations
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Standards and Documentation

- Cover solutions in accordance with EN 124 (A15–D400)
 - Materials suitable for DGNB-certified projects
 - Tested for watertightness, strength, and long-term durability
 - Quality management in accordance with ISO 9001
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Technical Specifications

Parameter	Specification
Materials	Polypropylen (PP)
Construction	Modular, stackable design
Standard Height	150 mm standard height per ring
Load Class	EN 124 A15 – D400
Installation	Manuel installation without lifting equipment
Corrosion Resistance	High – resistant to moisture, salt, and chemicals
Maintenance	Minimal



Size Overview – Bastion PP Cable Chambers

The table shows the internal and external dimensions of Bastion cable chambers. External dimensions, including wall thickness, are used for planning excavation and installation.

Internal mål	External mål
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 infill covers for our Bastion PP cable chambers. The table indicates the available load classes in accordance with applicable standards, as well as the maximum permitted load and typical application areas.

Cast Iron & Composite		
Class	Load	Typical application
A15	1,5 T	Pedestrians, cyclists, and green areas
B125	12,5 T	Driveways, sidewalks, and parking areas for passenger cars
C250	25 T	Road verges, pedestrian streets, and areas with light vans
D400	40 T	Public roads, carriageways, and parking areas for heavy traffic

Note: Available cover types and load classes depending on the selected chamber size

Infill Cover	
Load	Typical application
5 T	Pedestrians, cyclists, and green areas
17 T	Driveways, sidewalks, and industrial areas with light traffic (e.g. carts, light pallet trucks)
38 T	Public roads, carriageways, and parking areas for heavy traffic

Accessories

Drill-in Seals

- Drilling holes for pipe entries
- Performed using a drill with a hole saw/core drill
- Drill with light pressure and a slight rocking motion
- Holes can be placed freely in the chamber walls, provided the following is observed:
 - Min. 40 mm between drilled holes
 - Min. 120 mm from the outer edge of the chamber
 - Drilling in reinforcement rings (Powerframe) is not permitted
 - Drilling through joints between frame modules is allowed

Installation

- Rubber seals are installed in the drilled holes before installing duct pipes
- Installed without adhesive
- Lubricant may be applied to the inside of the seal to facilitate installation of duct pipes



Metal Steps

Used in deep chambers where access requires steps. It can easily be installed in the chamber. Ordered directly from the supplier.



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