

STAKKAbox™

STAKKAbox™ Water System

A low weight alternative to
concrete and brick chambers



Developed specifically for use by water companies throughout the UK and Ireland, the STAKKAbox™ Water Chamber System offers an effective replacement to concrete sectional chambers.

As part of our STAKKAbox™ range of preformed access chambers, the system is easy for one person to lift and is strong, supporting a minimum of 40 tonnes vertical loading. Each chamber section locks with the section above and below it, which provides exceptional sidewall stiffness.

The system is ideal for hydrant valves, air valves, sluice valves, meters and wash out chambers. The STAKKAbox™ Water System is available in two clear opening sizes: **380mm x 230mm and 600mm x 450mm** (25mm and 75mm section depths) and can be complemented with the versatile STAKKAbox™ MODULA system to provide other larger sizes for water applications in 150mm depths.



Product Summary

- Meets EU manual handling requirements
- Compatible with existing hydrant systems
- Withstands loads in excess of 40 tonnes
- Easily adjustable height
- Supplied with a choice of cover
- Material of chamber is 100% recycled
- Material is 100% recyclable

Fast

The STAKKAbox™ chamber can be installed in less than 20 minutes, meaning footways and roads can be re-opened quickly. This includes preparing the area, laying the base, stacking the sections, placing the cover and backfilling the area to finished grade.

Strong

Each section is twin walled with ribs spanning between the walls, ensuring a vertical loading that is equivalent to concrete rings. The chamber has been successfully tested at our in-house facility to 40 tonnes (D400). Sections are moulded in a complete ring and therefore do not suffer breakages like fabricated plastic alternatives.



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Safe

Each section meets manual handling requirements (easily below 20kgs) allowing chambers to be quickly and safely installed. This provides a huge advantage over competitive systems in particular concrete sections, as illustrated in the table below. Please note, the weights displayed are average and may differ slightly.

Superior

Produced from Polypropylene, the units will not fracture or crack, are not affected by frost, ground acids or alkalis and will last in excess of twenty years. All aspects of the system are factory produced by Cubis to ISO 9001, resulting in a consistent product being delivered to site every time. As the sections lock into each other, there is no sidewall movement as experienced with other competing products.

Flexible

With three section depths available, a wide variety of chamber depths can be produced on site by adding or removing sections. Bases are supplied with an opening for valves. This can be placed in the centre or offset and can be supplied in two parts to allow the installation around an existing valve.

Environmental

The chamber is made from 100% recycled material and is 100% recyclable, helping to lower carbon emissions.

Economical

There is no need for skilled labour, specialist equipment or concrete backfill to install the system. The chamber can be installed by just one person, further saving labour costs.



Every system can be supplied with a standard Ductile Iron Cover or Concrete- Filled Cover.



The chamber can be easily installed over existing valves using the split base.



Unlike concrete, the chamber rings will not crack or break in storage or transport, preventing expensive scrapping of sections.



Sections can be cut on site to allow pipes to run through the chamber.

	STAKKAbox™ Hydrant Section Weight (kg)			Concrete Weight (kg)
	25mm	75mm	100mm (combined)	100mm
380mm x 230mm	1.2kgs	2.3kgs	3.5kgs	25kgs
600mm x 450mm	1.9kgs	3.7kgs	5.6kgs	30kgs



Larger chamber sizes can be created using the STAKKAbox™ MODULA, a component system composed of sidewall and corner pieces.