

Carson Valve Box

The most specified valve box in the world



The Carson Valve Box range has been used extensively for housing irrigation valve equipment and has a wide range of sizes to accommodate the requirements of the industry.

Flexible During Installation

Chambers can be adapted to suit on-site conditions with standard tools to overbuild over existing networks, Introduce duct entries for cable entry and for top-section fine adjustment

All Weather Construction

Unlike with brick-built chambers where freezing temperatures can stop work, Quad can be installed in all types of weather.

Load Rating

MONObox™ Carson is suitable for installation in environments rated to B125 under EN124. Suitable for footways, pedestrian areas and comparable areas, car parks or parking decks.

Fast & Easy to Install

MONObox™ chambers are significantly faster to install than conventional alternatives, with complete installations typically taking up to one hour. This results in reduced costs for the installer. No specialist equipment or plant is required in order to install the chamber and there is no need for specialist box builders.

Complete System Offering

'Drop in' HDPE covers (rated to 1.5T loading) - meaning no frame is required. Concrete Infill and Ductile Iron B125 access cover options are also available.

High Strength to Weight Ratio

The material is significantly lighter than other conventional materials that can provide the same inherent strength.

Materials

HDPE

MONObox™ Carson is manufactured in nitrogen-foamed High Density Polyethylene (HDPE), of which up to 70% is recycled material. HDPE possesses excellent strength to weight properties.



Available Sizes

The MONObox™ Carson range encompasses rectangular and circular chambers available in a wide range of shapes and sizes. The rectangular boxes are available in 6 types with of clear opening options, with the circular chambers providing two options. A range of HDPE covers and security options are available across each range.



Circular 6'



Circular 10'



Standard & Extension



Jumbo & Extension



Super Jumbo



Maxi Jumbo

Size Chart

		Top Dimensions				Bottom Dimensions				Load resistance	
		Internal		External		Internal		External			
Circular		Height	Length	Width	Length	Width	Length	Width	Length	Width	HDPE cover
		mm	mm	mm	mm	mm	mm	mm	mm	mm	
708-6	6'	230	150		160		195		205		
910-10	10'	265	240		250		300		335		1.5T

Rectangular		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1419-12	Standard	310	395	265	435	300	500	360	540	400		1.5T
1419-6	Extension	170	395	265	430	300	435	305	480	350		1.5T
1220-12	Jumbo	315	505	340	545	380	610	430	660	480		1.5T
1220-6	Extension	180	510	340	545	390	570	400	610	440		
1324-15	Super Jumbo	390	600	355	645	400	760	575	835	590		1.5T
1730-18	Maxi Jumbo	465	780	450	825	495	955	625	1030	695		1.5T

Security

- HDPE covers (with the exception of the Circular 6') are equipped with hexagonal head bolts
- Anti-vandalism Penta head bolts available on request

MONObox™ Carson can be supplied with the following accessories



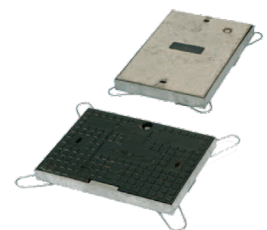
Drainage Grates



Bottom Plates



Artificial Grass Cover



Concrete Infill & Ductile Iron Covers