Technical Data Sheet

AQUAMODUL® DIFFUSER CHAMBERS

Roof Finishes

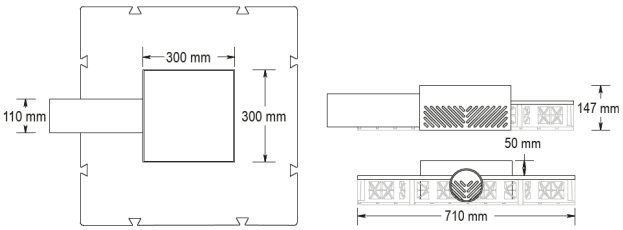
Aquamodul Diffuser Chambers are designed for use in conjunction with the Axter blue roof Aquamodul system. The Diffuser Chamber connects directly to the surrounding Void Formers to collect and filter rainwater into the surrounding storage system.

Key Benefits

- Engineered to provide controlled inlet water flow.
- Passive flow control and dispersal.
- Designed to be incorporated in the Aquamodul system with direct connection to surrounding Void Formers.
- Provides access for routine maintenance.
- The modules can be re-used at the end of service life.

Aquamodul 85mm Diffuser Chamber with 110mm Inlet

Designed for use in shallow podium deck constructions, the Aquamodul 85mm Diffuser Chamber collects rainwater via the 110mm Ø inlet pipe. The water filters through the perforated walls and is dispersed into the surrounding 85mm Void Formers. It is compatible with standard 110mm Ø push fit couplings.

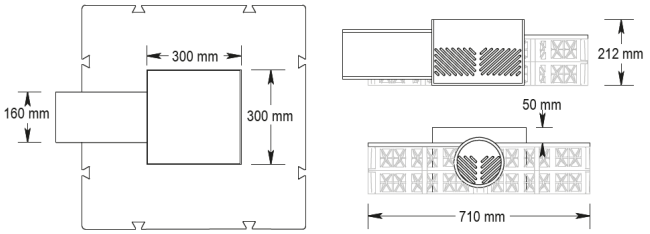


Product specifications		
Characteristics	**Unit**	**Aquamodul 85mm Diffuser Chamber with 110mm Inlet**
Product reference code		AQUADC/85-110
Material		HDPE/PP
Weight per module	**kg**	11.8
Length	**mm**	800
Width	**mm**	710
Depth	**mm**	147
Sump depth	**mm**	10
Inlet spigot Ø OD*	**mm**	110
Inlet spigot length	**mm**	90
Maximum flow	**l/s**	8

*OD = Outer diameter.

Aquamodul 150mm Diffuser Chamber with 110mm Inlet

Designed for use in shallow podium deck constructions, the Aquamofdul 150mm Diffuser Chamber collects rainwater via the 110mm Ø inlet pipe. The water filters through the perforated walls and is dispersed into the surrounding 150mm Void Formers. It has an integral 50mm deep sump to effectively trap silt, and is compatible with standard 110mm Ø push fit couplings.

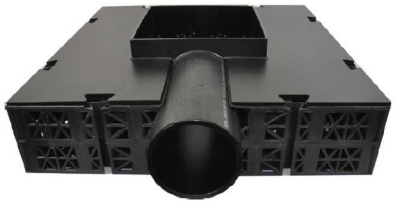


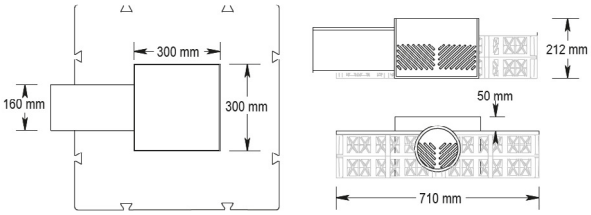
Product specifications		
Characteristics	**Unit**	**Aquamodul 150mm Diffuser Chamber with 110mm Inlet**
Product reference code		AQUADC/150-110
Material		HDPE/PP
Weight per module	**kg**	12
Length	**mm**	800
Width	**mm**	710
Depth	**mm**	212
Sump depth	**mm**	50
Inlet spigot Ø OD*	**mm**	110
Inlet spigot length	**mm**	90
Maximum flow	**l/s**	11

*OD = Outer diameter.

Aquamodul 150mm Diffuser Chamber with 160mm Inlet

Designed for use in shallow podium deck constructions, the Aquamofdul 150mm Diffuser Chamber collects rainwater via the 160mm Ø inlet pipe. The water filters through the perforated walls and is dispersed into the surrounding 150mm Void Formers. It has an integral 50mm deep sump to effectively trap silt, and is compatible with standard 160mm Ø push fit couplings.

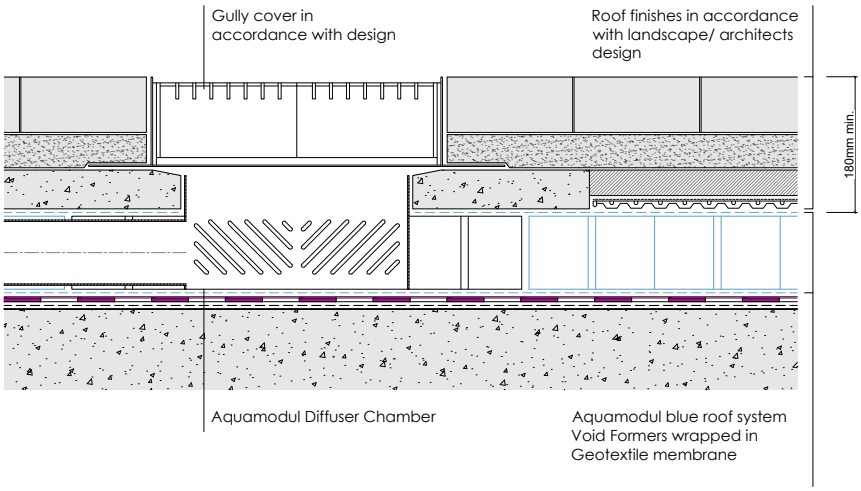




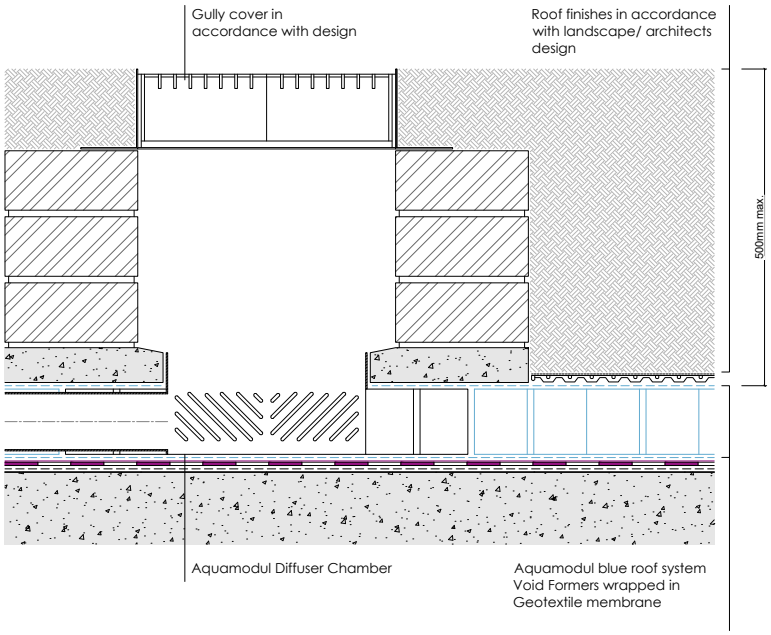
Product specifications		
Characteristics	**Unit**	**Aquamodul 150mm Diffuser Chamber with 160mm Inlet**
Product reference code		AQUADC/150-160
Material		HDPE/PP
Weight per module	**kg**	12.4
Length	**mm**	800
Width	**mm**	710
Depth	**mm**	212
Sump depth	**mm**	50
Inlet spigot Ø OD*	**mm**	160
Inlet spigot length	**mm**	90
Maximum flow	**l/s**	20

*OD = Outer diameter.

Application 1 - minimum cover approximately 180mm*



Application 2 - maximum cover approximately 500mm*



* Always refer to project specific detail drawings as project specific details may differ.

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