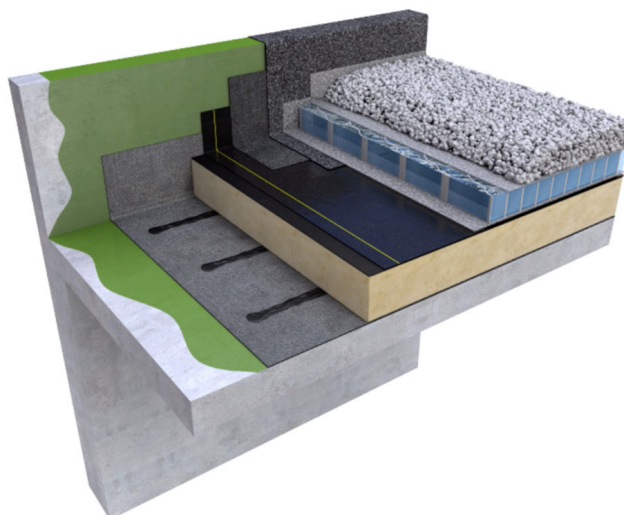


Technical Data Sheet

AQUAMODUL® OUTLETS

Roof Finishes

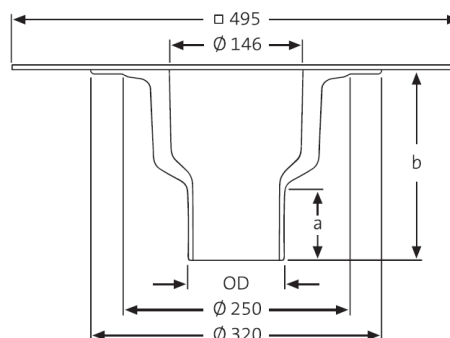
Aquamodul Outlets are designed for use in conjunction with the Axter blue roof Aquamodul system. The Aquamodul outlet range has a compact design and a discharge capacity which exceeds the requirements of DIN EN 1253-2.



Aquamodul Vertical Outlet (110mm)

For use as main and emergency drainage to EN 12056-3 for large trafficked and un-trafficked roof areas.

The Aquamodul Vertical Outlet is connected directly to the drainage pipes with a socket, for conventional drainage. It includes an integrated membrane flange (495mm x 495mm) to suit the waterproofing membrane along with an integrated securing ring which provides additional securing of the connection sleeve.



Product dimensions				
DN* (mm)	OD** (mm)	a (mm)	b (mm)	Opening / core drill hole (mm)
100	110	75	210	Ø 250

*DN = Diameter nominal.

**OD = Outer diameter.

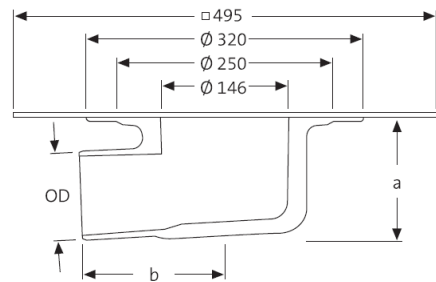
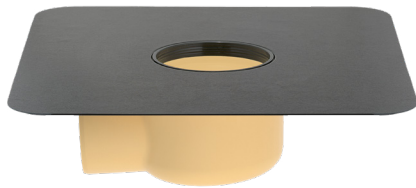
Drainage capacities (l/s) to DIN EN 1253													
Nominal Diameter	Head of water (mm)												
	5	10	15	20	25	30	35	40	45	50	55	60	65
100	0.6	1.5	2.3	3.3	4.3	5.2	6.1	7.3	8.5	9.4	10.3	11.0	11.7

Product specifications	
Product reference code	AQUAVOBF/110
Material	Polyurethane
Connection type	Sleeve or loose-fixed flange connection
Colour	Yellow
Finish	Smooth
Temperature resistance, min.	-20 °C
Temperature resistance, Max.	80 °C
Material class	B2 (normal flammability) - DIN 4102-1*
Properties	- Thermally insulated in accordance with DIN EN 1253-2. - Resistant to normal environmental effects. - Resistant to a variety of weather conditions (UV/IR radiation). - Impact and shock resistant. - RAL quality mark GZ-694.

Aquamodul Horizontal Outlet (110mm)

For use as main and emergency drainage to EN 12056-3 for large trafficked and un-trafficked roof areas.

For use in warm roof build ups, the Aquamodul Horizontal Outlet connects directly to drainage pipes with a socket, for conventional drainage. It includes an integrated membrane flange (495mm x 495mm) to suit the waterproofing membrane along with an integrated securing ring which provides additional securing of the connection sleeve.



Product dimensions				
DN* (mm)	OD** (mm)	a (mm)	b (mm)	Opening / core drill hole (mm)
100	110	153	162	Ø 250 x 350

*DN = Diameter nominal.

**OD = Outer diameter.

Drainage capacities (l/s) to DIN EN 1253													
Nominal Diameter	Head of water (mm)												
	5	10	15	20	25	30	35	40	45	50	55	60	65
100	0.5	1.2	1.8	2.7	3.6	4.6	5.6	6.7	7.8	9.0	10.2	11.9	13.5

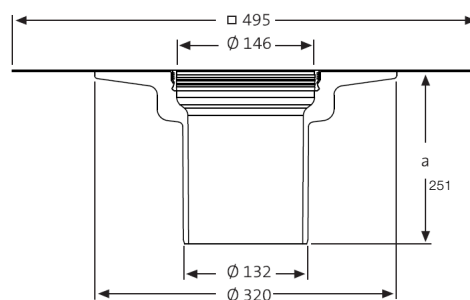
Product specifications	
Product reference code	AQUAHOB/110
Material	Polyurethane
Connection type	Sleeve or loose-fixed flange connection
Colour	Yellow
Finish	Smooth
Temperature resistance, min.	-20 °C
Temperature resistance, max.	80 °C
Material class	B2 (normal flammability) - DIN 4102-1*
Properties	- Thermally insulated in accordance with DIN EN 1253-2. - Resistant to normal environmental effects. - Resistant to a variety of weather conditions (UV/IR radiation). - Impact and shock resistant. - RAL quality mark GZ-694.

Aquamodul Extension Unit

For use as main and emergency drainage to EN 12056-3 for large trafficked and un-trafficked roof areas.

The Aquamodul Extension Unit is used to extend both the Aquamodul Vertical and Horizontal Outlets in a warm roof scenario. It includes an integrated membrane flange (495mm x 495mm) to suit the waterproofing membrane along with an integrated securing ring which provides additional securing of the connection sleeve.

Includes multi-lip angles sealing ring for backflow safety.



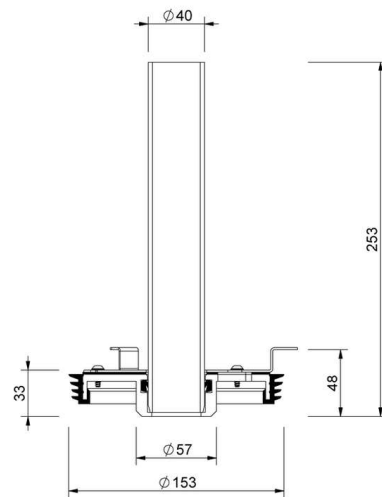
Product dimensions		
Product reference code	Bridging size of thermal insulation from - to (mm)	Unit height (a) (mm)
AQUAEU/355	60 - 320	251

Product specifications	
Material	Polyurethane
Connection type	Sleeve or loose-fixed flange connection.
Colour	Yellow
Finish	Smooth
Temperature resistance, min.	-20 °C
Temperature resistance, Max.	80 °C
Material class	B2 (normal flammability) - DIN 4102-1*
Properties	- Thermally insulated in accordance with DIN EN 1253-2. - Resistant to normal environmental effects. - Resistant to a variety of weather conditions (UV/IR radiation). - Impact and shock resistant. - RAL quality mark GZ-694.

Aquamodul Adjustable Retention HP Unit

The Aquamodul Adjustable Retention HP Unit delays very small quantities of rainwater drainage from the roof by controlling the flow rate with a predefined opening. The Retention Unit has a supplied height of 253mm which can be shortened on site. The base plate is made of polyamide and the retaining pipe is comprised of HDPE.

Includes sealing rings made of EPDM.



Product dimensions

Retaining pipe diameter (a) (mm)	Base plate width (b) (mm)	Unit base width (c) (mm)	Supplied height (mm)
40	57	153	253

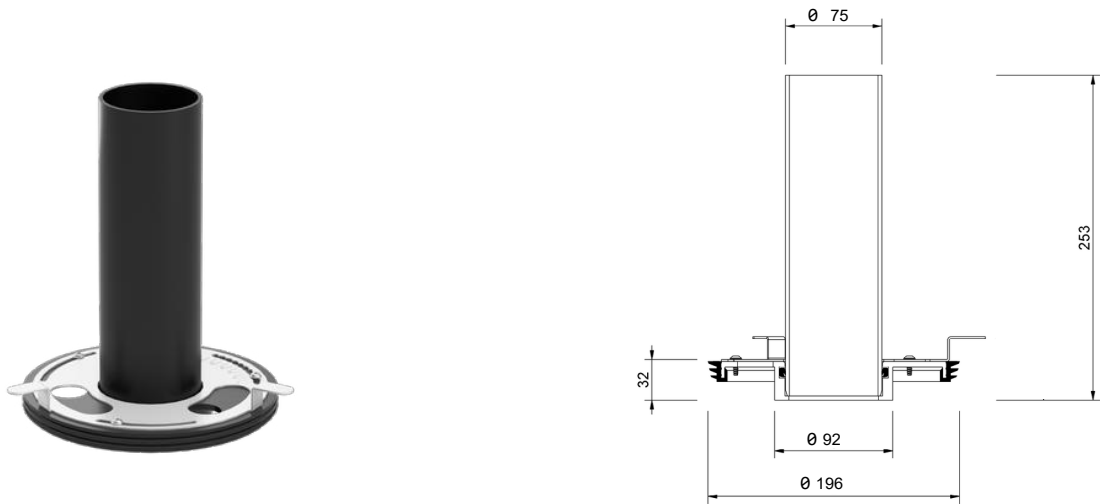
Product specifications

Product reference code	AQUAARHPU
Material	PE-HD, rust-proof stainless steel, PE-HD, Polyurethane, PE and EPDM
Temperature resistance, min.	-20 °C
Temperature resistance, Max.	80 °C
Material class	B2 (normal flammability) - DIN 4102-1*
Properties	- Compact design. - Can be individually shortened. - Resistant to a variety of weather conditions (UV/IR radiation, rain, snow, high and low temperatures, ozone). - Impact and shock resistant.

Aquamodul Adjustable Retention Unit

The Aquamodul Adjustable Retention Unit delays rainwater drainage from the roof by controlling the flow rate with a scaled adjusting slide which changes the size of the opening. The Retention Unit has a supplied height of 253mm which can be shortened on site. The base plate is made of polyamide, the scaling slide from stainless steel and the retaining pipe is comprised of HDPE.

Includes sealing rings made of EPDM.



Product dimensions			
Retaining pipe diameter (a) (mm)	Base plate width (b) (mm)	Unit base width (c) (mm)	Supplied height (mm)
75	92	196	253

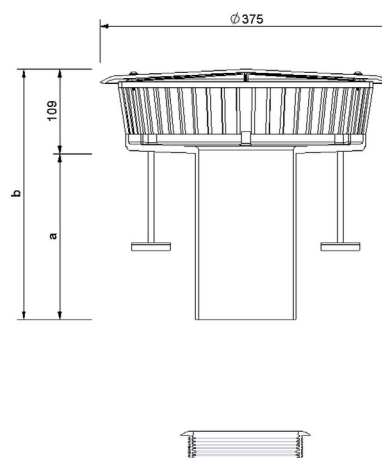
Product specifications	
Product reference code	AQUAARU
Material	PE-HD, rust-proof stainless steel, PE-HD, Polyurethane, PE and EPDM
Temperature resistance, min.	-20 °C
Temperature resistance, Max.	80 °C
Material class	B2 (normal flammability) - DIN 4102-1*
Properties	- Compact design. - Can be individually shortened. - Resistant to a variety of weather conditions (UV/IR radiation, rain, snow, high and low temperatures, ozone). - Impact and shock resistant.

Aquamodul Overflow Unit

This emergency drainage overflow unit is designed for use with Aquamodul Vertical and Horizontal Outlets and Extension units

The installation height of the overflow unit can be adjusted. The multi-lipped sealing ring seals the spigot to the roof outlet or extension unit. Additionally, the Aquamodul Overflow Unit has three 50mm diameter height-adjustable rubberised metal feet.

The lid is held in place with galvanised threaded rods which can be removed for inspection.



Product dimensions			
Product Reference Code	Damming height from - to (mm)	Height (a) (mm)	Height (b) (mm)
AQAOU/135200	135 - 200	214	323

Product specifications	
Material	Polyamide in accordance with DIN EN 1253-2
Colour	Yellow
Properties	- Resistant to a variety of weather conditions (UV/IR radiation, rain, temperatures, ozone). - Impact and shock resistant.

*Axter are advised that B2 normal flammability (DIN 4102-1) is comparable to Euroclass E.

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