



ACO. creating
the future of drainage

ACO Blue Roof Flow Restrictor and Overflow

ACO offers a Blue Roof Flow Restrictor and Overflow as a means of safely controlling the rate of runoff from a blue roof, without overloading the roof structure.

The restrictor and overflow have been primarily designed for use with the ACO range of HP vertical spigot and screw, 45- and 90-degree roof outlets and accessories, however other types and make of roof outlet can be accommodated – please consult with ACO Design Services for further information.

The design of the restrictor is individually tailored to suit the site-specific requirements for each blue or blue green roof allowing the SuDS design to be optimised. The design of the flow restrictor(s) can be carried out with tailored roofs designed to BSEN12056-3:2000 and /or to attenuation sizing principles. The number and size of flow restrictors required is project specific, and Individual overflows should be provided to all roof outlets not fitted with a flow restrictor.

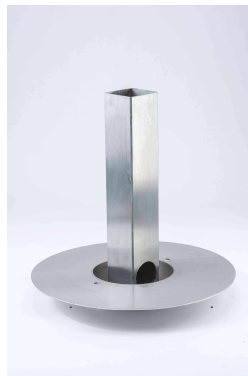


System Overview

Product Type	Nominal Size (mm)	Diameter (mm)	Overflow
50/75 Blue Roof Flow Restrictor	50 & 75	300	Height to suit max storage depth
100/150 Blue Roof Flow Restrictor	100 & 150	380	Height to suit max storage depth
50/75 Blue Roof Flow Overflow	50 & 75	300	Height to suit max storage depth
100/150 Blue Roof Flow Overflow	100 & 150	380	Height to suit max storage depth



Blue Roof Overflow



Blue Roof Restrictor 100/150



Blue Roof Restrictor 50/75

ACO Blue Flow Restrictor and Overflow Key Features

- Manufactured from corrosion-resistant 304 grade stainless.
- Built-in overflow— provides a failsafe drainage solution.
- The orifice height can be positioned so water can be retained on the roof for passive irrigation of a green roof.
- Larger single orifice is less prone to blockages - if the system is designed using attenuation principles using the ACO Patent Pending Blue Roof Attenuation System.
- Wide flange and Clamping Ring allows the secondary membrane to be dressed and sealed and clamped around the outlet without disturbing the roofing membrane seal.
- The position of the orifice ensures that the roof membrane clamp ring seal is not subjected to prolonged periods of hydrostatic pressure when surcharged.
- Coded solid cover (with vent) ensures the restrictor position is easily identified and prevents debris from entering and potentially blocking the outlet.
- Can be used with the ACO RoofBloxx Diffuser unit to provide great access for maintenance.

Note

Provided the Blue Roof attenuation and drainage system is designed using the ACO RoofBloxx Patent Pending system the roof drainage will comply with both the requirements of BS12056-3:2000 and will also meet the site discharge parameters required under planning conditions.



To download a copy of the ACO RoofBloxx Product Overview brochure visit www.aco.co.uk/products/roofbloxx

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