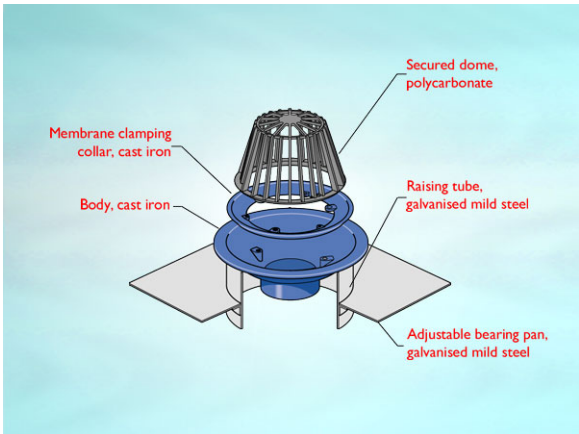
Quality Drainage Products

Product Details

WC423 Outlet with Circular Dome **Technical Data**



Dimensions:

220 dia. at finish level
305 dia. body
500 square overall size
135 - Height below Body Flange
20 to 135 - min/max height between roof deck and membrane level
Connection - female 3" BSP threaded connection (75mm)
Free Area - body= 44cm², grating= 410cm²
Materials - Dome - polycarbonate; Body - cast iron; Membrane Clamp - cast iron, lacquered
Load Rating Class - H1.5
Weight - 8.7 kg

General Description:
220 Dia. Cast Iron 3400 series (Medium Sump) Warm Roof Outlet with Circular Dome, with 3" BSP dia. vertical outlet.

Options:
To specify an option, add option letter(s) as a suffix to the Spec. Code
K - bonded insulation jacket
SS - stainless steel dome
Z - rigid PVC flange for use with PVC single ply membranes

Materials:
Cast Iron - BS EN 1561: Used for bodies, membrane clamping collars, spigot adaptors and accessories such as extensions. A widely used metal in the drainage industry, its resistance to corrosion permits extended use under extreme conditions. Castings are coated with a high grade lacquer paint to provide internal and external surface coverage. Paint will gradually wear off and is replaceable; oxidisation (surface rusting) is a natural process which does not weaken the material. A zinc anti-corrosion coating is applied to certain castings by sherardizing.
Polycarbonate: Used for domes. A polycarbonate/ABS blend which offers durability, high impact strength and long-term resistance to ultraviolet light.

All dimensions are in millimetres unless stated. In line with general practice all dimensions shown are nominal.

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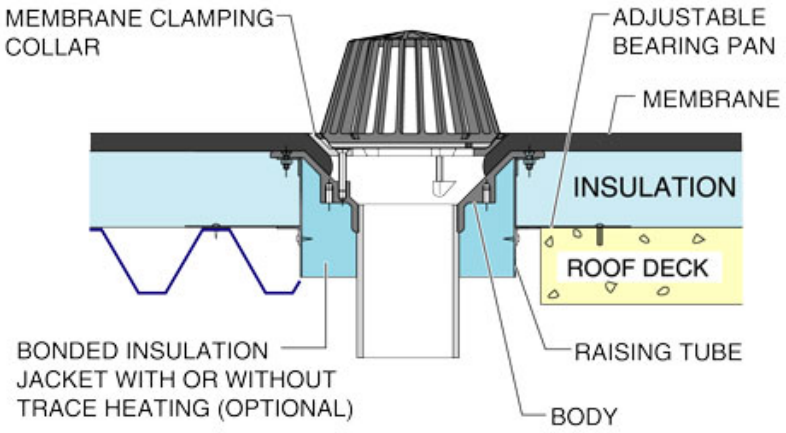
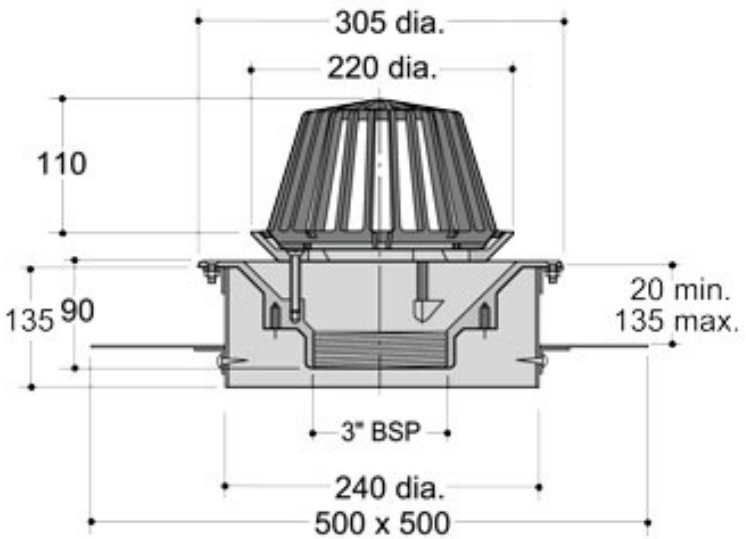
Typical Installation for WC423:

Note: This illustration may show a similar Wade Product - it is intended to show the general installation type only.



Dimensioned Section for WC423:



Flow Performance Figures for WC423:

Head of water at outlet	15mm	20mm	25mm	30mm	35mm	40mm	50mm
Flow Rate (l/s):	2.46	3.55	4.43	4.53	4.61	4.76	4.88
Roof area drained (m^2) at 0.021 l/s per m^2 rainfall rate:	117	169	211	216	220	227	232

Note: Flow rates of Wade roof outlets have been established by full-scale tests. The values shown in the table are 75% of such tests. The design of the layout of roof outlets should be in accordance with the recommendations given in BS EN 12056:3.