

Bathroom Zoning

The easy guide to bathroom zoning

The Easy Guide to Bathroom Zoning in Accordance with IEE Wiring Regulations 17th Edition

There are two main important considerations to take into account when siting ventilation equipment or any other appliance in a location containing a bath or shower:

- The utmost safety for the people bathing or showering
- Whether the equipment will function correctly according to where it is sited

ZONE 0



Inside the bath or shower tray itself. Any appliance installed in this zone must have a minimum rating of IPX7, which is totally immersion proof. It is not recommended to install any ventilation equipment into this zone.

ZONE 1



The area above the bath or shower tray area to a height of 2.25m from the floor. In this zone a minimum rating requirement is IPX4.

ZONE 2



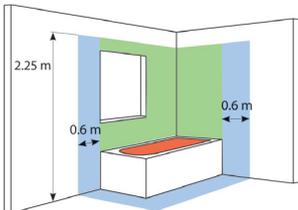
The area stretching 0.6m outside the perimeter of the bath to a height of 2.25m. As with Zone 1, the minimum rating for this zone is IPX4.

ZONE 1 & 2

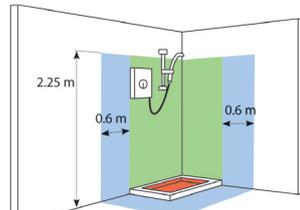


Applicable to both Zone 1 or 2, if the area is at risk of splashing or water jets to be used, it is recommended to install an SELV fan (12V) with a rating of IPX5 or above. For utmost safety, the transformer or power supply pack should be installed outside the bathroom area.

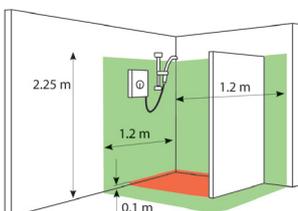
Example Diagrams



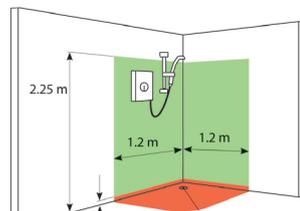
1. Bath only



2. Shower with tray



3. Shower without tray with permanently fixed partition for total enclosure



4. Wet room

Products



EnviroVent extract fan ranges rated to a minimum of IPX4 which can be installed in Zones 1 and 2.



SILENT 100



SILENT 100 *Design*



Cyclone



ECO dMEV



EnviroVent low voltage extract fan ranges rated to a minimum of IPX5.



SILENT 100 SELV



Cyclone SELV

All circuits must be protected by a 30mA residual current device (RCD).