Sump & Pump Systems How are they used?

Even when a property has had flood resistance measures installed, water may still seep through flood doors and door barriers or small cracks in brickwork. Pumps can be used to limit the depth of floodwater and remove it.

There are different types of pumps which can be used to lower water levels, and decrease the amount of time standing water is in a property, helping to reduce flood damage and drying out times. Sump chambers create a low point where water entering a property can collect to be pumped away.

Basement systems

Properties which suffer from groundwater issues can incorporate a sump and pump system which will kick in automatically when water in the sump reaches a certain height. Cavity wall, and under floor drainage systems can also be installed to collect water and direct it into the sump.

Ground floors

Ground floors which don't have a cellar can also benefit from sump and pump systems which can either be installed into solid floors or placed into the void beneath suspended floors.

Sump pumps can be hardwired into mains electricity and also operate automatically.

Submersible/Puddle pump

Submersible/puddle pumps may offer a more affordable and convenient option to a sump/pump system. Puddle pumps are designed to pump down to very low levels, some can go as low as 1mm. As no sump chamber is required they can be placed in the best location for maximum benefit when required.

Power supply

It is worth considering that electricity supplies can be lost or switched off manually as a safety precaution during a flood. Small generators can be used to maintain power in these situations and there are also battery powered pump options available.

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This resource has been produced by Newground who work in partnership with the Environment Agency

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