AES
Automated Environmental Systems

AES EMERGENCY FLOOD BOX

01284 658770 | sales@automatedenvironmentalsystems.co.uk

AES Emergency Flood Box

The ‘Flood Box’ is a versatile, convenient and portable pumping system for transferring flood-water. Specifically designed for removing nuisance water from buildings, basements, car parks and garden patios (not suitable for sewage water or contaminated water).

The contents of the AES emergency flood box includes:

- One low-level submersible water pump with automatic float-switch, the pump can be used in ‘Full Automatic’ or ‘Manual’ mode, supplied with 10 metres of cable and a 13A plug and an integral non-return valve to prevent water falling back when switched off

- Maximum flow of 10,800 litres per hour | Maximum pumping head 9.0 metres | Low suction capability of 2mm (manual mode only)

- A 10 metre length of tough roll-up delivery hose (additional extension lengths available)

- A plastic carrying crate for storage and for use if required to filter out leaves and debris

To achieve the best results with the flood box, simply stand the box on the floor of a waterlogged cellar, flooded patio or low point in the garden, stand the pump inside the box, roll out the delivery hose, plug into the electricity supply, switch on and watch the water disappear.

01284 658770 | sales@automatedenvironmentalsystems.co.uk

Using and operating the AES Flood Box

Thank you for purchasing the AES Flood Box, we hope you will be fully satisfied with this product. It should have arrived with you in perfect condition, ready for immediate use in an emergency flood situation.

Before use please read through the following instructions carefully.

If the box containing the flood box kit has been damaged in transit, please report this to the courier at point of delivery, and then to ourselves.

Please read the pump manufacturers instruction manual prior to installation, the manual should be included in the pump box.

The pump and all parts should be checked thoroughly before immersing the in water.

The pump should not be used if there is any damage to the electrical components. Please do not use if the cable is nicked or cut, the pump body is cracked or the 13 amp plug is damaged in any way.

Placing the flood box

Once it has been established that the pump and components are OK to use, carry the flood box kit and place it in the deepest part of the flooded area.

If this is in the garden then identify where the deepest point is, if necessary dig a shallow hole in the grass or border to ensure the crate is at the deepest point and both level and secure.

If a patio is flooded, place the flood box at the deepest point, this would usually be a point furthest away from the house as a fall away from the property should have been developed in the construction.

Switch the pump control to the ‘manual’ position as shown on the pump instructions.

The pump is not suitable for raw, untreated sewage or water with larger solid or fibrous particles, the crate should filter out debris such as leaves.

Water contaminated with oil, diesel fuel or chemicals will result in damage to the pump and the power cable.

Positioning the delivery hose

Roll out the coil of delivery hose and lay out in a straight line, if possible, with no kinks or sharp bends. If the hose passes over a wall or fence, protect from abrasion or rubbing by laying a soft blanket or flattened cardboard box on the top of the wall or fence.

Ensure the discharged water from the end of the hose will not inconvenience neighbours or others. Do not let the water flow out onto a pavement or a road, especially in very cold weather as the water could freeze and cause an extra hazard. You could use a kerbside road grate as a temporary soakaway if no hazard is caused in doing so.

Connecting the power supply

Unravel the power cable fully, with no coils or kinks. If the cable on the pump is not long enough to reach the socket, you should use a good quality extension lead with a fused plug, again unwind it fully. If the surrounding ground is flooded do not let the extension cable reel or plug drop into the water.

Hang cable up securely from a bracket, tree, shrub or door frame.

Use a power socket that is protected by an RCD or similar. Plug in, switch on and return to the pump and check that the hose has not been moved or kinked by the pressure on start-up and that it is pumping satisfactorily.

Running the pump for long periods

The pump should be able to run without your attention for long periods, but it is good practice to check the box position occasionally to ensure it is still in the deepest point, that water is continuing to flow toward the box and the slots in the box are not blocked by fallen leaves.

As the water level reduces the pump will change to a condition described as ‘snore’ - where it is taking a mixture of air and water. This situation is fine as the pump has ‘overheat’ protection, but continued running once the water is too low to pump could damage the motor.

If the pump feels hot to the touch after a long period of continuous use, then it should be turned off and ‘rested’ and allowed to cool before continuing.