

# TO FUNCTION PROPERLY THIS PRODUCT MUST BE EARTHED (See Overleaf)

Advanced Hydro Ltd (

Advanced Crystallisation Process (ACP)™ Installation Instructions: - ACP 15, ACP 20, ACP 25

1. The ACP is suitable for all UK mains water. A water analysis should be undertaken and submitted when using the ACP for borehole or well water. The use of the ACP with water at at emperature over 60°C may affect performance. Once installed the water quality or conditions should not vary. The water treated by an ACP unit in not suitable for use with Koi Carp.

### The Advanced Crystallisation Process (ACP)™

10 Advanced or sample and the circulation loop will province of the circulation loop will province only and must be kept wet and free from air contact once in see. Note the direction of flow through the ACP as shown by the label. The model and size of the ACP unit required should match the mains intel pipe to the property, an ACP 15 for a ½-remains pipe and an ACP 20 for a ½-remains pipe.

Installation should be made by a competent individual
and should only be carried out after reading the installation
instructions. Failure to comply with the installation instructions
may invalidate the Warranty, prevent the ACP working and could
cause personal injury.

### **Electrical Earth Bonding**

The system must be earthed in accordance with BS7671. The ACP body must have an earth connection, this is essential to the operation of the device. An earth bonding strap is supplied with each unit. The earth bonding strap should be fitted to the body of the ACP and an earth caller connected to it. The earth cable should then be connected to it.

Ensure the pipework has continuity earth condinacross the installed ACP to the pipework each side of the unit. Without continuity earth bonding injury may occur. Should the ACP be installed into plastic pipework no continuity earth bonding is required. HOWEVER, IN ALL INSTANCES THE BODY OF THE ACP UNIT MUST BE EARTHED. Please refer to the schematic shown in First

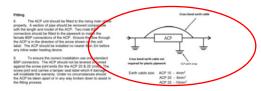
During installation, the ACP must not be exposed to heat from soldering or welding. Wrenches or spanners should only be used on the couplings and ACP spanner flats and never on the ACP body. The flow through the ACP must be in the direction of the arrow on the label.

10. The ACP must be installed with zero potential (good earth grounding). If heating equipment to be protected by the ACP contains a warm water circulation loop an additional ACP incorporated in the circulation loop will provide added protection against scale and corrosion.

- If in doubt use a qualified installer (check with your local ACP distributor).
- c. Care must be taken to ensure that where connecting joints require applied heat (welding/soldering) this must not be undertaken in the vicinity of the ACP as the conducted heat will damage the unit's interior, causing possible failure.
- The temperature of the water should not exceed 60°C (140°F) for optimum performance.
- Always earth/earth bridge across the ACP making sure a good earth (ground) connection is achieved (see schematic at Fig 1).

In is essential that the ACP body is earthed.

This document shows the installation instruction compressed with highlighted areas where earthing the unit is referred to.



## **EARTHING THE ACP BODY**