Scale Control by Physical Water Conditioning

For the inhibition of hard scale formation, a HY-MAG DN15 electromagnetic water conditioning unit shall be installed.

The system shall be environmentally friendly, operating without the need for regenerant chemicals or water wastage and shall promote optimised heat transfer within the water heater and thus contribute positively to the continued reduction of the carbon footprint.

The HY-MAG shall be positioned in the system subject to a system and water analysis by Hydrotec to ensure correct application of the technology.

The unit shall comprise of a 110V DC electrical coil for generating the magnetic field, a designed flow path that enables all the water to cross the magnetic field line at an angle of 90 degrees and is internally and externally PTFE plasma-coated.

The ‘Standard Plus’ control box should have a polarity reversal mechanism to eliminate routine maintenance of the unit and should be connected to a 230V/1ph/50Hz supply through a 5A fused spur.

The control box should be rated IP40.

The unit is to be a HY-MAG DN15 as detailed in the adjacent technical data table.
Scale Control

HY-MAG DN15

inlet connection
DN 15-1/2" (male)

outlet connection
DN 15-1/2" (female)

HY-MAG DN15 Pressure Drop Diagram

Subject to technical revisions and modifications