



General Product Information

Digisonic water conditioners provide digital scale protection by way of an aerial and generator, transmitting high frequency Electro-magnetic signals to treat water prior to heating. The signal creates accelerated coagulation of the scale forming particles and irregular crystallinity. When heated, such crystals are rendered less capable of adhering to surfaces such as pipework and heat exchangers and thus are swept from the system via normal hot water call off.

Consequent to the altered crystal phase the particle/liquid equilibrium is upset, this leads to the gradual elimination of existing limescale build up.

Application

Digisonic products are designed for the protection of hot water heating systems i.e. combination boilers. The DS20 with use of the second Treatment point (see **Additional Information**) should be specifically selected where whole house protection is required.

Fitting Location

Unvented Systems

Cold water feed to boiler.

Vented Systems

Incoming cold water mains supply.

Aerial Fitting Position

Unvented Systems

A minimum of one metre to a maximum of two metres upstream in boiler cold feed.

Vented Systems

Close as possible to stopcock. See **Additional Information**.

Digisonic	DS10	DS20	DS30
Pipe diameter (mm)	15 (only)	15, 22 & 28	15 (only)
Power	15V AC/DC transformer supplied		240V
Plumbing	None	Compression	None
Dimensions (L x H x D)	130x86x35	130x86x35	130x86x35
Aerial Type	Self wound	Factory wound	Self wound
Cable lengths (m)	2m both from ac/dc transformer & aerial		2m aerial
Guarantee (years)	2	2	2

Site Requirements

Convenient plug point. All electrical and plumbing work should be carried out by a suitably qualified person to comply with all water byelaws and IEE regulations.

Fitting Instructions

Supplied with packaging, available on request.

Operating Information

LEDs green (flashing) - treatment indicator; Red - power on; Yellow - output 1 in use; Amber (DS20 only) - output 2 in use.

Additional Information

The DS20 is fitted with a twin circuit system to provide for an additional treatment point through output 2. When protecting a vented hot water system it is strongly recommended that a second aerial (available as an optional extra) be fitted to the cold feed to the hot water cylinder.

Approvals

Digisonic water Conditioners are approved by WRAS and comply with the requirements of the United Kingdom Water Byelaws & Regulations.

DS30 is fitted with an integral transformer and has an IP65 rating.