

## HydroMAG®-T Duplex (Skid)



### Advanced Scale Control by Physical Water Conditioning

ITEM	RATING
<b>Water Conditioning Units</b>	
Regulatory approval	WRAS
Performance approval	DVGW W512
Nominal flow	8.4m <sup>3</sup> /h (2.33l/s)
Pressure drop at nominal flow	1.0 bar
Max. operating pressure	10 bar
Minimum / maximum water temperature	5 / 30°C
Minimum / maximum ambient temperature	5 / 40°C
Materials of construction Skid frame Water treatment unit	ST 37 Stainless Steel and POM
Inlet / outlet connections	1 ½" male thread
Service weight ca.	80kg
<b>Control Box</b>	
Functionality and connectivity	LED Display Operational status Flowrate and treatment intensity Capacity status Error reporting BMS connection Optional remote interrogation
Power connection	230V / 1ph / 50Hz
Enclosure protection	IP 65
Power consumption in operation	25 – 70 Watts
Power consumption in stand-by	7.5 Watts

For the inhibition of lime scale formation in high efficiency water heaters, a Duplex (Skid) HydroMAG®-T electrolytic electrochemical hybrid water conditioning unit shall be installed.

The system will have regulatory approval from WRAS and shall be performance approved to DVGW W512.

The operating principle shall employ cathodic induction for the formation of seed inoculation nuclei.

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 in the production of greenhouse gases.

The conditioning system shall have a flow dependant response to ensure maximum system efficiency and optimised life for the active conditioning module.

The HydroMAG®-T Duplex (Skid) shall be positioned in the system subject to a system and water analysis by Hydrotec (UK) Ltd to ensure correct application of the technology.

Two treatment units and the controller shall be mounted on a skid for ease of installation. The controller shall be micro-processor based with a graphical display and be encased in a water resistant casing. Additionally the controller shall monitor and record relevant parameters and operating states and provide both visual and acoustic alarms.

The control box should be connected to a 230V/1ph/50Hz supply through a fused spur.

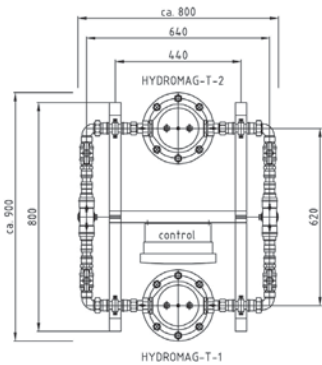
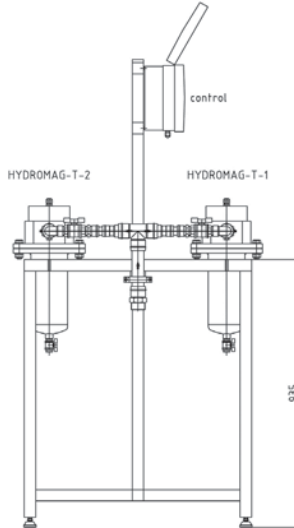
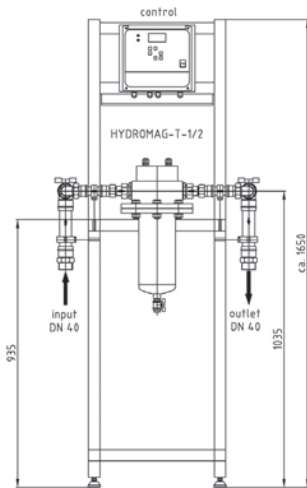
The control box should be rated to IP65 and be provided with volt free contacts for BMS integration.

The unit is to be a HydroMAG®-T Duplex (Skid) unit as detailed in the adjacent technical data table.



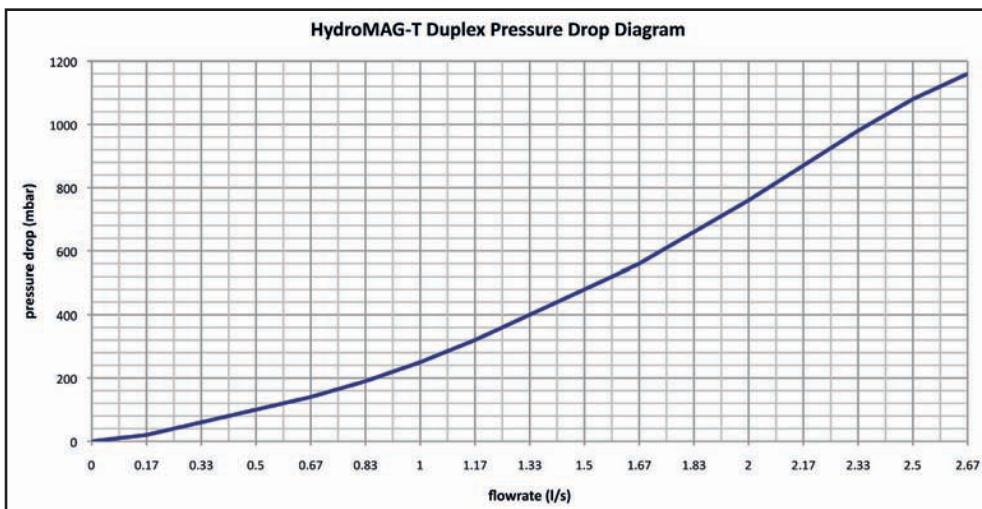
# Scale Control

## HydroMAG<sup>®</sup>-T Duplex (Skid)



**HydroMAG-T Duplex (Skid) Dimensions**

Control Box	H x W x D	mm	240 x 265 x 145
<b>Block dimensions</b>			
Height (min.)	H	mm	1650
Width (min.)	W	mm	800
Depth (min.)	D	mm	900



Subject to technical revisions and modifications. Data correct on date of publication, 05.01.2017.

Hydrotec (UK) Ltd  
Hydrotec House  
5 Manor Courtyard  
Hughenden Avenue  
High Wycombe  
Bucks HP13 5RE

Tel: +44 (0) 1494 796040

Fax: +44 (0) 1494 796049

E-mail: [sales@hydrotec.co.uk](mailto:sales@hydrotec.co.uk)

Web Site: [www.hydrotec.co.uk](http://www.hydrotec.co.uk)

For further information on the HydroMAG<sup>®</sup> range,  
please consult your local Hydrotec technical representative.

HYDROTEC