

Scale Control

HydroMAG®-T Hexplex (Skid)



Advanced Scale Control by Physical Water Conditioning

ITEM	RATING
Water Conditioning Units	
Regulatory approval	WRAS
Performance approval	DVGW W512
Nominal flow	25.2m ³ /h (7l/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	DN65 flange
Service weight	220kg
Control Box	
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	75 – 210 Watts
Power consumption in stand-by	22.5 Watts

For the inhibition of lime scale formation in high efficiency water heaters, a Hexplex (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 Hexplex (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.

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

The controller mains switch should be connected to a 230V/1ph/50Hz supply through a fused spur.

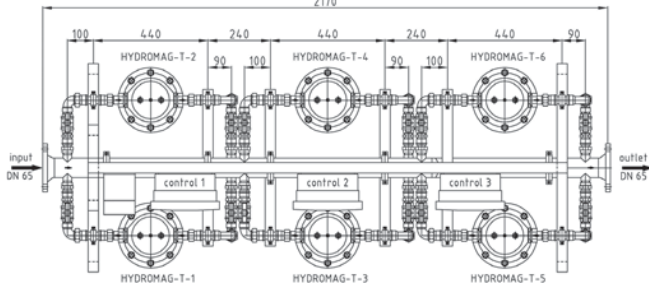
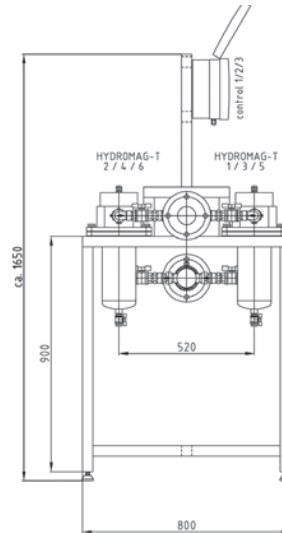
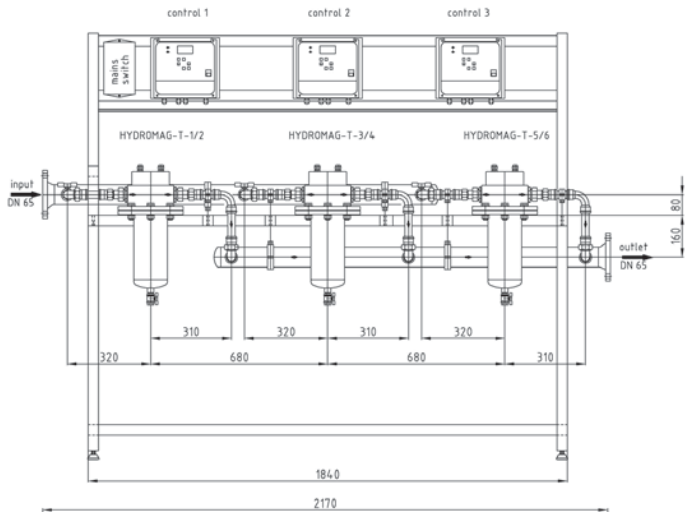
The control boxes should be rated to IP65 and be provided with volt free contacts for BMS integration.

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



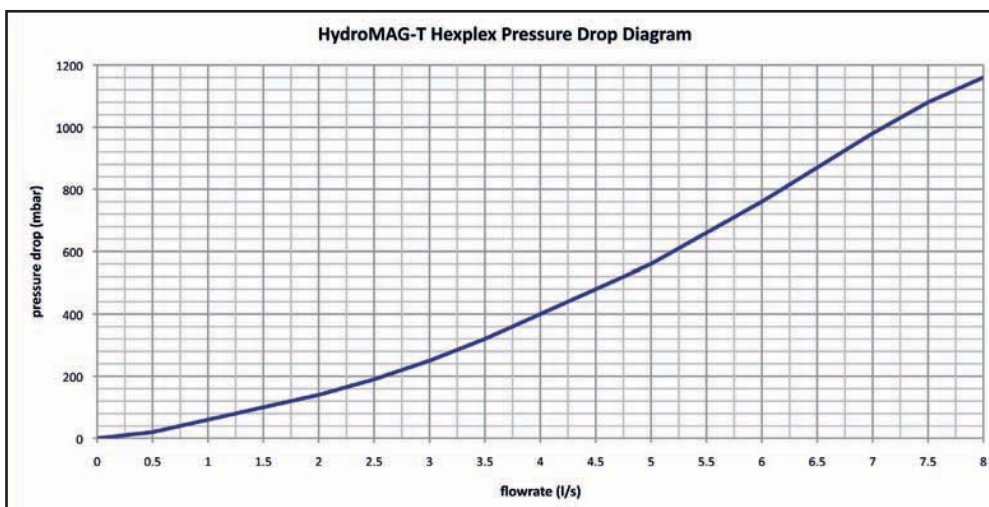
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HydroMAG[®]-T Hexplex (Skid)



HydroMAG-T Hexplex (Skid) Dimensions

Number of Control Boxes			3
Individual Control Box	H x W x D	mm	240 x 265 x 145
Main Switch	H x W x D	mm	200 x 120 x 160
Block dimensions			
Height (min.)	H	mm	1650
Width (min.)	W	mm	2170
Depth (min.)	D	mm	800



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

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For further information on the HydroMAG[®] range,
 please consult your local Hydrotec technical representative.

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