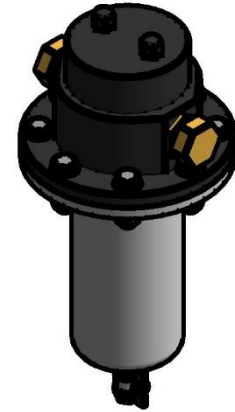


**TurboMAG®** (The successor to HydroMAG-T)  
Simplex



ITEM	RATING
<b>Water Conditioning Assembly</b>	
Performance approval	DVGW W512
Nominal flow rate	1.17l/s (4.2m <sup>3</sup> /h)
Max. inlet pressure	10bar
Pressure loss at nom. flow	1bar
Water temperature	5 – 30°C
Ambient temperature	5 – 40°C
Inlet/outlet connections	1" male thread
Materials of construction	Stainless steel and POM
Weight ca.	15kg
<b>Control Box</b>	
Functionality and connectivity	LCD display Operational status Flow rate and treatment intensity Capacity status Error reporting BMS connection Optional remote interrogation
Power supply	230V/1ph/50Hz
Power consumption in operation	25 – 70W
Power consumption in standby	7.5W
Enclosure protection	IP65
<b>Equipment Included</b>	Automatic backwash filter

## Advanced Scale Control by Physical Water Conditioning

For the inhibition of limescale formation in high efficiency water heaters, a Simplex TurboMAG® electrolytic electrochemical hybrid water conditioning unit shall be installed.

The system 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 of the carbon footprint.

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

The TurboMAG® Simplex shall be positioned in the system subject to a system and water analysis by Hydrotec to ensure correct application of the technology.

The controller shall be a wall mounted micro-processor based with a graphical display 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.

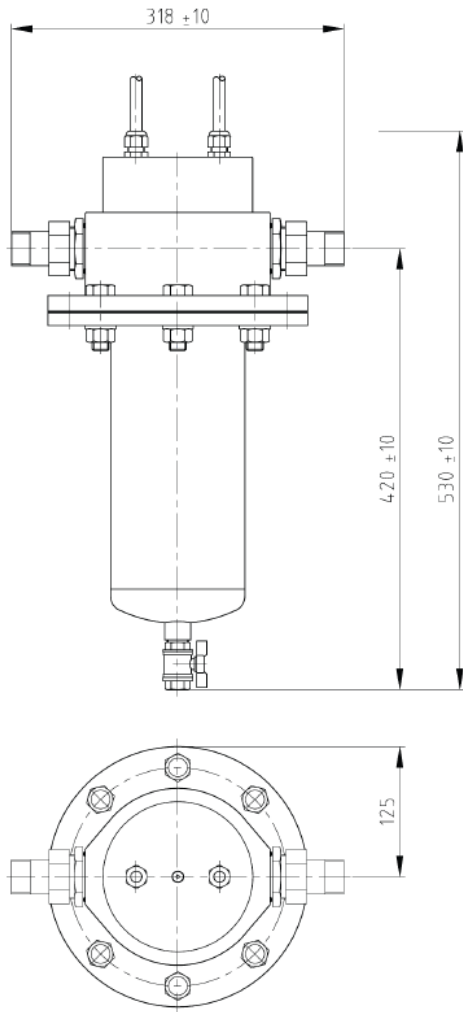
The control box should be connected to a 230V/1ph/50Hz supply through a 3A fused spur.

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

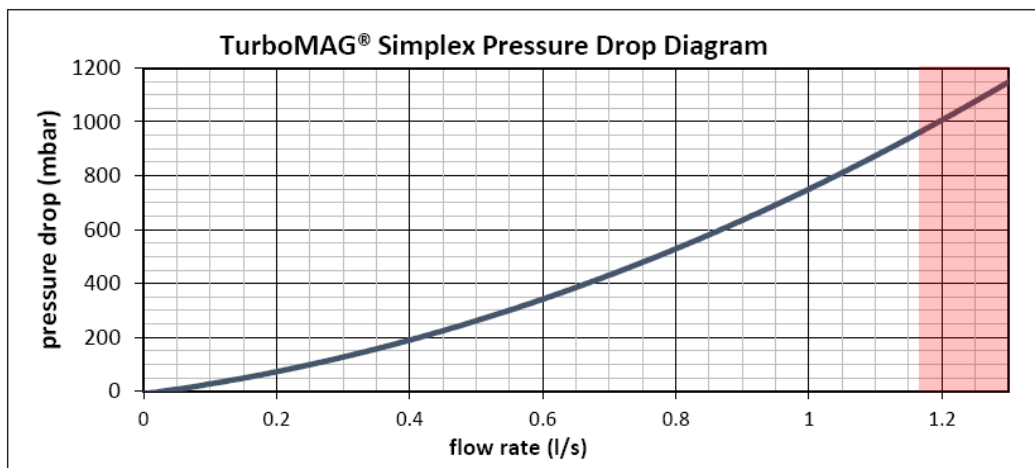
The unit is to be a TurboMAG® Simplex unit as detailed in the adjacent technical data table.



# TurboMAG® Simplex



TurboMAG® Simplex		
Control box HxWxD	mm	240x265x145
Block Dimensions		
Height (min.)	mm	540
Width (min.)	mm	328
Depth (min.)	mm	250
Height to pipe centre	mm	430
Depth to pipe centre	mm	125±10
Below the unit (min.)	mm	300



Subject to technical revisions and modifications

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