

# TECHNICAL SUBMITTAL



## EXTREME 500 | HIGH EFFICIENCY HOT WATER SYSTEM

WRAS Approval Number	1810093
<b>GENERAL</b>	
Dimensions (Height x Width x Depth)	1995 x 795 x 1095mm
Cylinder Material	Stainless Steel
Plate Heat Exchanger Material	Stainless Steel
Water Content of Appliance	500 L
Weight (Empty)	100 kg
DHW Flow Connection	1½" BSP
DHW Return Connection	1" BSP
Primary Flow Connection	28mm
Primary Return Connection	28mm
Mains Cold Water Supply Connection	1½" BSP
Maximum Plate Heat Exchanger Input	120 kW
Maximum Primary Temperature	90°C
Temperature & Pressure Relief Valve (Integral)	90°C / 10 bar
Maximum Power Consumption	100 W
Electrical Supply	230 V
Frequency	50 Hz
Fuse Protection	3 A
Maximum Primary Working Pressure	10 bar
Maximum Secondary Working Pressure	7.5 bar
<b>HWS PERFORMANCE (BASED ON A MAXIMUM INPUT OF 120 kW AT 80°C)</b>	
1st Hour Output at 60°C	2570 L
10 Minute Peak at 60°C	845 L
Continuous Flow at 60°C	2070 L
<b>EFFICIENCY</b>	
Insulation Thickness	100mm
Standing Losses per Month	182 MJ
Standing Losses per Day	6.05 MJ
	1.68 kWh
Energy Efficiency Class	B
<b>WATER QUALITY</b>	
Acidity Level	7 - 8.5 pH
	3 - 12 °dH
Water Hardness	5 - 22 °fH
	0.53 - 2.14 mmol/L CaCO <sub>3</sub>