



Scimitar

Stainless steel tank-in-tank calorifier



MODELS

3

CAPACITY (litres)

200 - 500

Scimitar

The Scimitar series comprises three models of 316L grade tank-in-tank stainless steel indirect calorifiers, offering domestic hot water capacities ranging from 200 to 500 litres.

Utilizing a tank-in-tank design, the system eliminates cool zones, thus effectively preventing bacteria growth. Moreover, the inner tank's suspended configuration enables flexibility, rendering the Scimitar calorifier resistant to fouling and ensuring self-cleaning capabilities.



5

5 Year Tank Warranty*

2

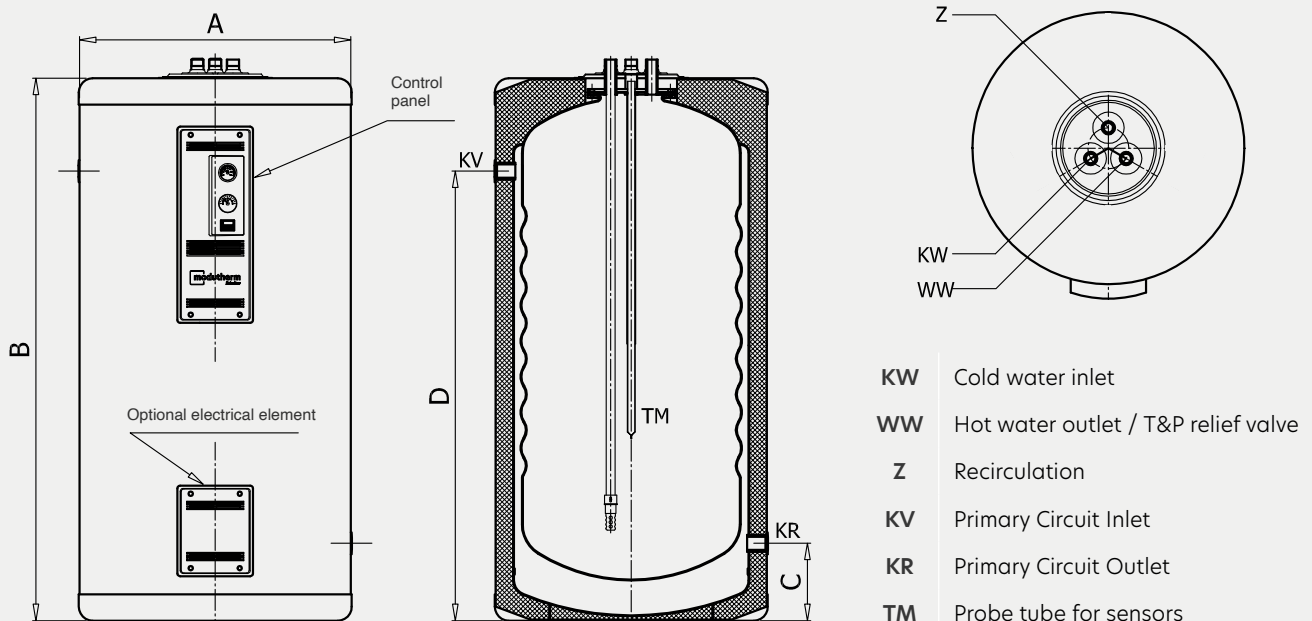
2 Year Parts Warranty*

ErP

ErP Part L Compliant

- 3 models ranging from 200-500 litres
- Large DHW production capacity
- Electric immersion elements (2.5kW single phase)
- Comprehensive control panel with thermometer and control and limit thermostat
- Padded vinyl jacket
- WRAS approved unvented kits
- Anti-legionella design
- Self-cleaning
- Maintenance-free
- Energy class B/C

Dimensions



Performance data

		200	300	500
Energy efficiency class		B	C	C
Total capacity	litres	249	351	570
DHW capacity	litres	193	286	462
Heating circuit capacity	litres	56	65	108
Maximum temperature of DHW tank (secondary)	°C		90	
Maximum working pressure DHW tank (secondary)	bar		8	
Maximum temperature in heating circuit	°C		110	
Maximum pressure in heating circuit	bar		3	
Heat exchange surface area in heating circuit	m ²	1.6	2.4	3.1
Heating circuit flowrate	litres/hr	1600	2400	2900
Temperature loss	°C/hr	0.28	0.25	0.19
Expansion vessel charge pressure	bar		3.5	
Expansion valve setting	bar		6	
Temperature and Pressure Relief valve set opening pressure	bar		7	
Temperature and Pressure Relief valve set opening temperature	°C		90	
Empty weight (approx.)	Kg	78	106	151
Full weight (approx.)	Kg	327	457	721
KW: Cold water inlet (M)	inches	3/4		1
WW: DHW outlet-T&P relief valve connection (M)	inches	3/4		1
Z: Recirculation (M)	inches	3/4		1
KV/KR: Primary circuit inlet/outlet (F)	inches		1	1½
T&P relief valve	mm		3/4	
Dimension A: External diameter	mm		620	770
Dimension B: Total height	mm	1239	1724	1730
Dimension C: Primary return	mm		182	192
Dimension D: Primary flow	mm	1027	1512	1493
Performance (when primary flow 80°C/return 60°C & cold inlet 10°C)				
Heat transfer rate	kW	23.2	35.8	45.3
Primary circuit pressure drop	kPa	0.44	0.137	0.85
10 minute peak output @ 50°C Δt	litres	259	387	592
1st hour continuous output @ 50°C Δt	litres/hr	592	894	1242
Continuous output @ 50°C Δt	litres/hr	399	608	780
Heat up time 50°C Δt	minutes	29	28	35

Optional immersion heaters

		200	300	500
Immersion heater rating	kW	2.5 (1ph 230v)	2.5 (1ph 230v)	2.5 (1ph 230v)
Recovery time Δ50°C	hrs	5.8	8.2	13.3

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