



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.

Utilising 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

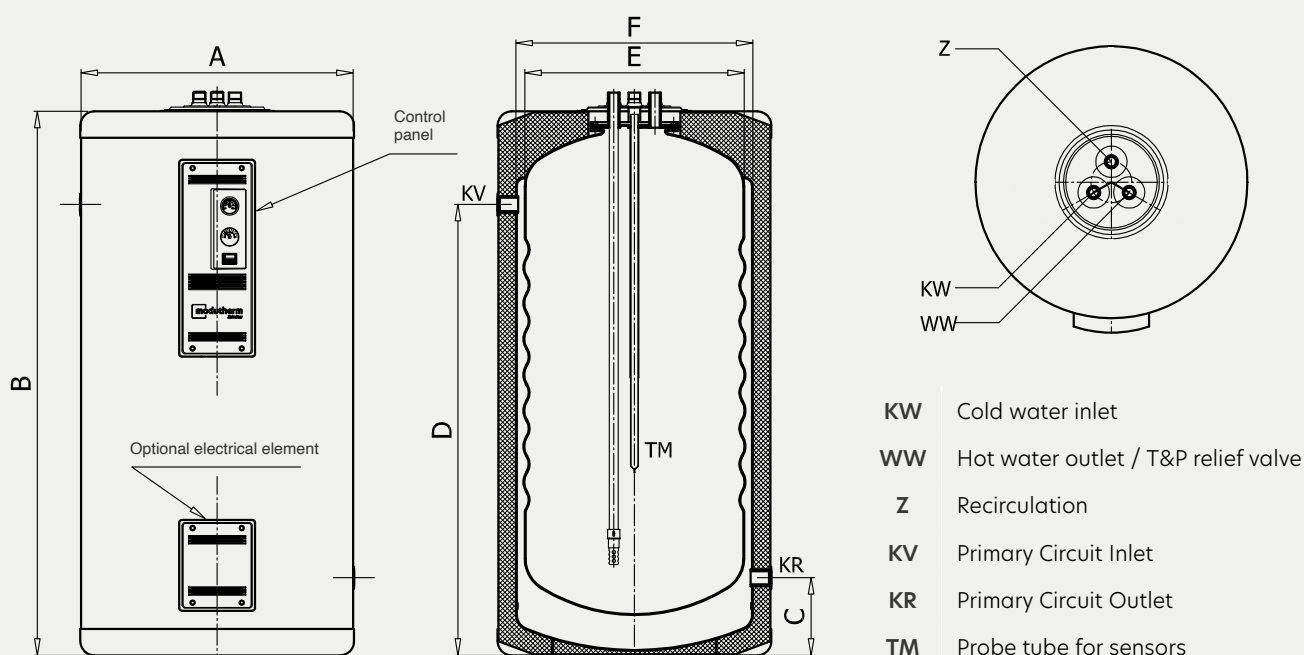
2 Year Parts Warranty*

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



Dimensions

		200	300	500
Empty weight	kg	78	106	151
Full weight	kg	327	457	721
Cold water inlet (KW)		¾" M	1" M	
DHW outlet-T&P relief valve connection (WW)		¾" M	1" M	
Recirculation (Z)		¾" M	1" M	
Primary circuit inlet/outlet (KV/KR)		1" F	1½" F	
T&P relief valve			¾" M	
External diameter (A)	mm	620		770
Total height (B)	mm	1239	1724	1730
Primary return (C)	mm	182		192
Primary flow (D)	mm	1027	1512	1493

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	m²	1.6	2.4	3.1
Heating circuit flow rate	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	
T&P valve set opening pressure	bar		7	
T&P valve set opening temperature	°C		90	
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 heater

Model	Volume of water heated by the electric immersion heater	SINGLE PHASE		THREE PHASE
		2.5kW		7kW
		SCIMITAR-EE		SCIMITAR-EE-7
		Heat up time from Δ 50°C with immersion heater		
	litres	hours		
200	193	5.8		-
300	286	8.2		-
500	462	13.3		4.7

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