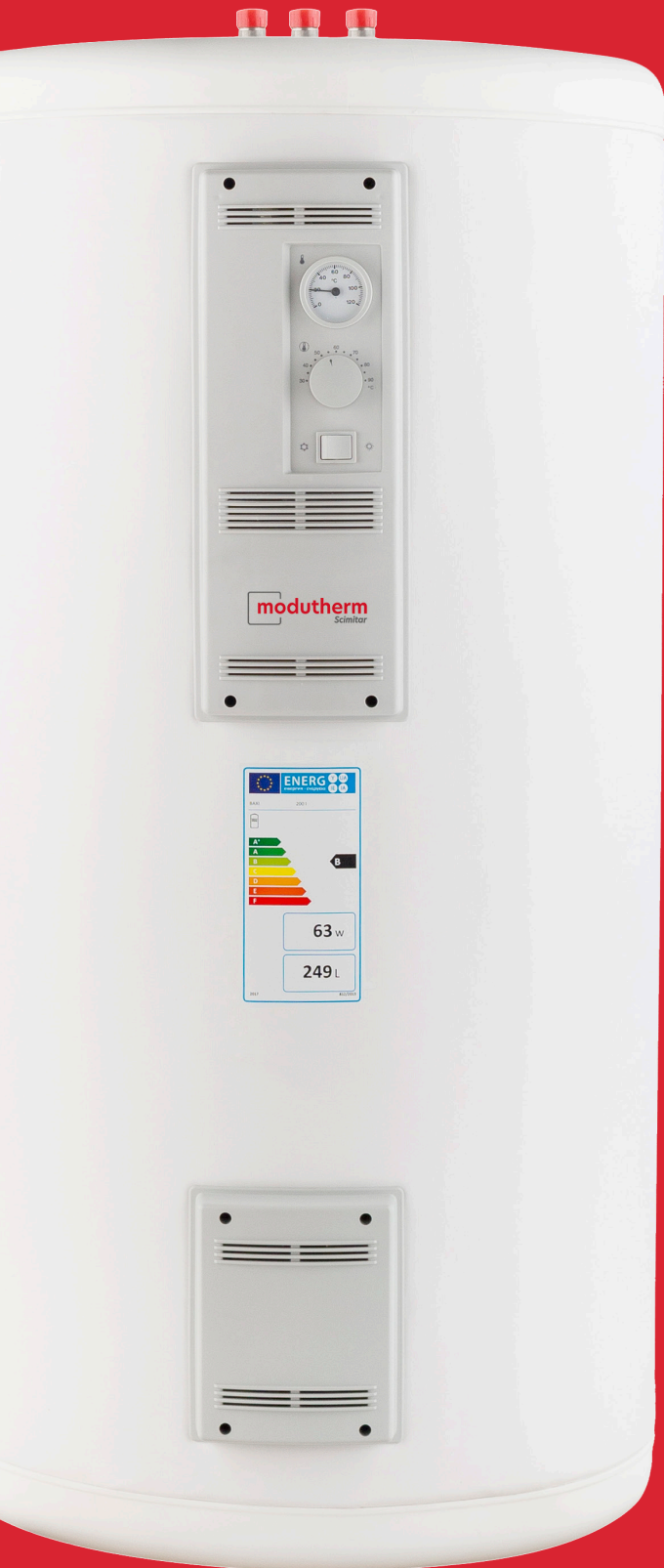


Scimitar

stainless steel tank-in-tank calorifier



MODELS

200

300

500

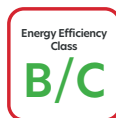
CAPACITY (litres)

200-500

modutherm

Scimitar

The Scimitar range of 316L grade tank-in-tank stainless steel indirect calorifiers has three models with domestic hot water capacities of 200-500 litres. The tank-in-tank system allows for no cool zones, therefore making it resistant to bacteria growth. The inner tank is suspended, which allows it to flex, making the Scimitar calorifier resistant to fouling as it is self cleaning.



key features

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



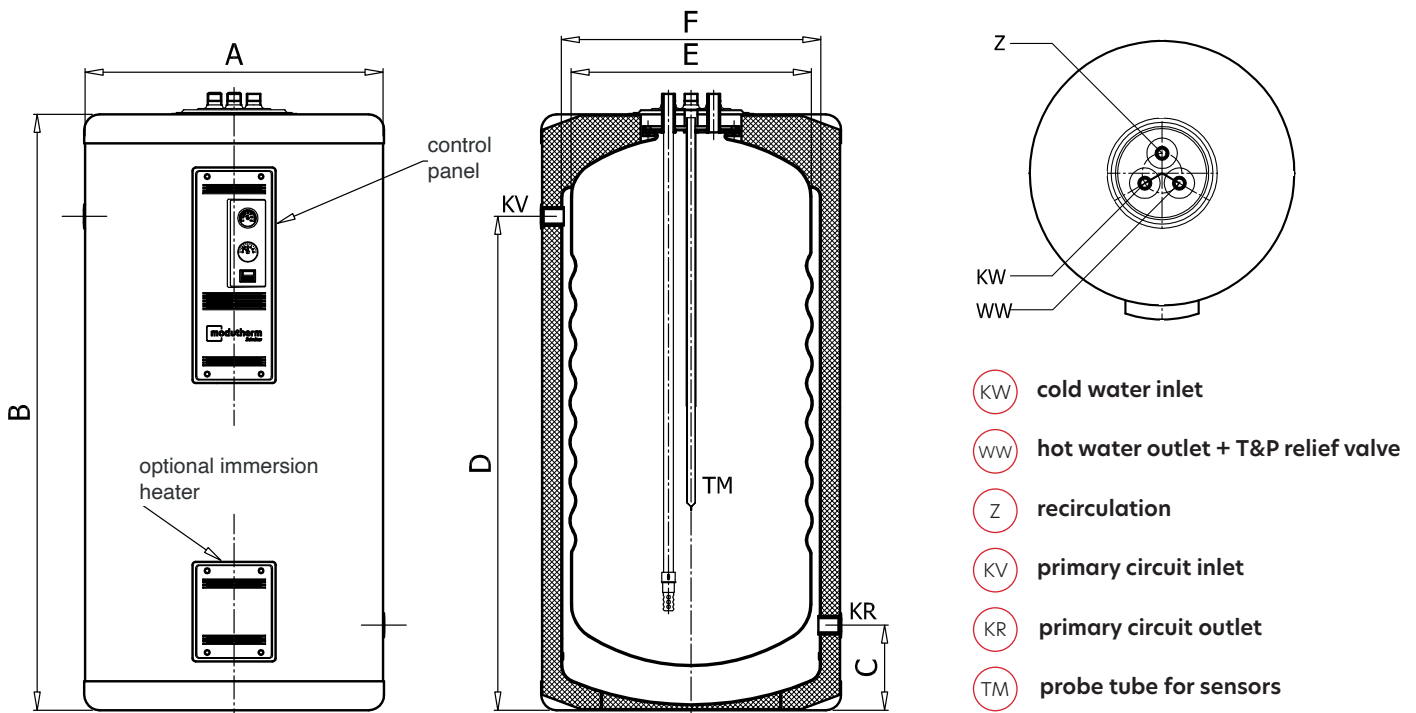
warranty

- 5 year warranty* on tank body
- 2 year warranty* on all other components

optional immersion heaters

		200	MODEL 300	500
Immersion heater rating	kW	2.5 (1ph 230v)	2.5 (1ph 230v)	2.5 (1ph 230v)
Recovery time $\Delta 50^{\circ}\text{C}$	hrs	5.8	8.2	13.3

DIMENSIONS & TECHNICAL DATA



technical data

		MODEL		
		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	90	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		2.4	
Primary fluid flow	litres/hr	6000	9000	10000
Absorbed power	kW	60	83	100
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	1
ww: DHW outlet -T&P relief valve connection (M)	inches	3/4	1	1
z: Recirculation (M)	inches	3/4	1	1
kv/kv: primary circuit inlet/outlet (F)	inches	1	1	1½
P&T relief valve size	mm	3/4	3/4	3/4
Dimension A: External diameter	mm	620	620	770
Dimension B: Total height	mm	1239	1724	1730
Dimension C: Primary return	mm	182	182	192
Dimension D: Primary flow	mm	1027	1512	1493
Dimension E: Inner tank diameter	mm	500	500	650
Dimension F: Outer tank diameter	mm	540	540	690

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	minute	29	28	35



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*A member of the **Modular Heating Group**.*