



CALORIFIERS AND STORAGE TANKS SINGLE AND TWIN COILS



CALORIFIERS AND STORAGE TANKS

The efficient generation of hot water for use in commercial buildings can be achieved using direct or indirect fired heating solutions.

The ICS Cool Energy range of calorifiers offers a flexible approach to indirect heating and storage of hot water, using a choice of heat generators.

High efficiency gas fired boilers are commonly used with calorifiers as the prime energy source, but with the move towards renewable energy, alternative technologies can be applied, such as solar thermal and biomass.

Indirect fired heating for hot water in commercial buildings is an increasingly popular method and at ICS Cool Energy we advocate the integration of renewable energy sources with gas fired condensing boiler systems.

There are 7 models in our calorifier range with continuous outputs from 501 litres/hour up to 1635 litres/hour. Storage capacities are from 160 litres to 995 litres. All but the smallest models have twin coil heat exchangers which can be connected in series if using a single heat source, or connected separately when using two heat sources.

BENEFITS

- Twin coils connect to two energy sources
- Safe storage of hot water
- Integration of renewable energy sources
- Anode corrosion protection for longer life
- Adaptable to match load demand
- Effective use of solar energy
- Can fit through a single doorway

CONTACT US

Call us free on
0800 840 4210 or
visit our website
www.icscoolenergy.com

Depots Nationwide

info@icscoolenergy.com

E&OE. All data is subject to change and continuous improvement without notice. Equipment designed to ISO 9001 and all relevant electrical, pressure and mechanical directives.

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TECHNICAL PERFORMANCE AND GENERAL DATA

CALORIFER MODEL		PS1000
Storage Capacity	l	958
Top coil surface area	m ²	1.12
Top coil volume	l	7.9
Bottom coil surface area	m ²	2.45
Bottom coil volume	l	17.1
Maximum operating pressure (primary - coil)	bar	10
Maximum operating pressure (secondary - storage)	bar	10
Maximum operating temperature (primary - coil)	°C	110
Maximum operating temperature (secondary - storage)	°C	70
Weight empty	kg	275
Standby losses	kW/h	0.20
Continuous output*	l/h	1281
Heat input	kW Btu x 1000	76.0 259.3
10 min peak output*	l	1197
Recovery time	min	46
Continuous output*	l/h	1635
Heat input	kW Btu x 1000	97 331.0
10 min peak output*	l	1483
Recovery time	min	36

POWERSTOCK PS1000 - TWIN COIL CALORIFIER

COIL AT °C	BOTTOM COIL ONLY			TOP COIL ONLY			TOP & BOTTOM COIL		
	Heat Input kW	Flow Rate l/sec	Coil Pressure loss mbar	Heat Input kW	Flow Rate l/sec	Coil Pressure loss mbar	Heat Input kW	Flow Rate l/sec	Coil Pressure loss mbar
11	76.0	1.65	553	21.0	0.46	19	97.0	2.11	1276
15	76.0	1.21	287	21.0	0.33	10	97.0	1.55	686
20	76.0	0.91	161	21.0	0.25	6	97.0	1.16	386

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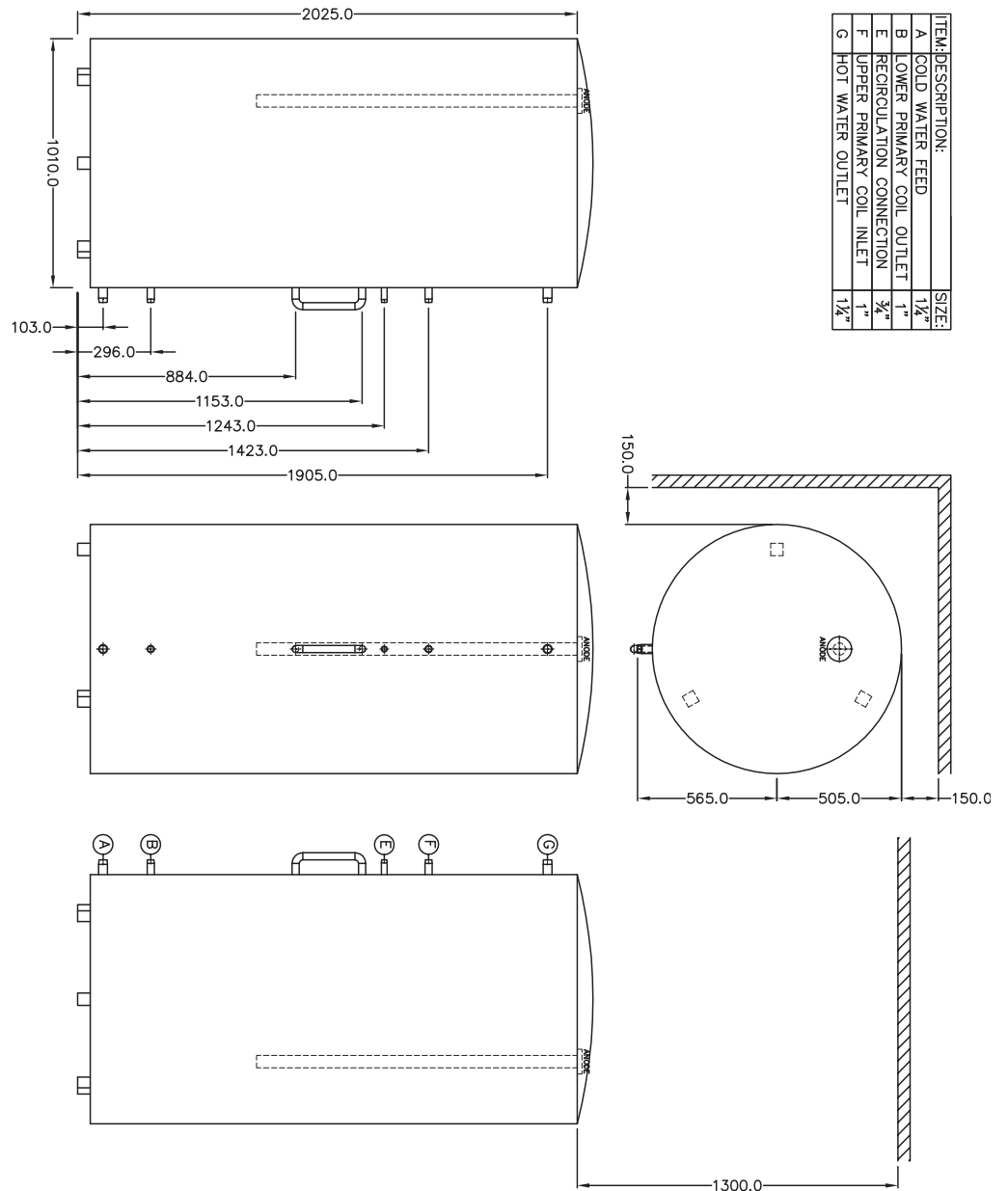
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