Technical submittal

Products: **Powerstock Calorifier PS200**
Project:
Customer: Date:

- Indirectly heated glass lined calorifier
- Magnesium sacrificial anode corrosion protection
- ErP compliant class C
- 196l storage capacity
- 20 minutes recovery time (bottom coil only)
- Foam-lined insulation
- Standby losses of 1.92kW/24hr
- 600l/h continuous outputs (@50°C ΔT) (bottom coil only)

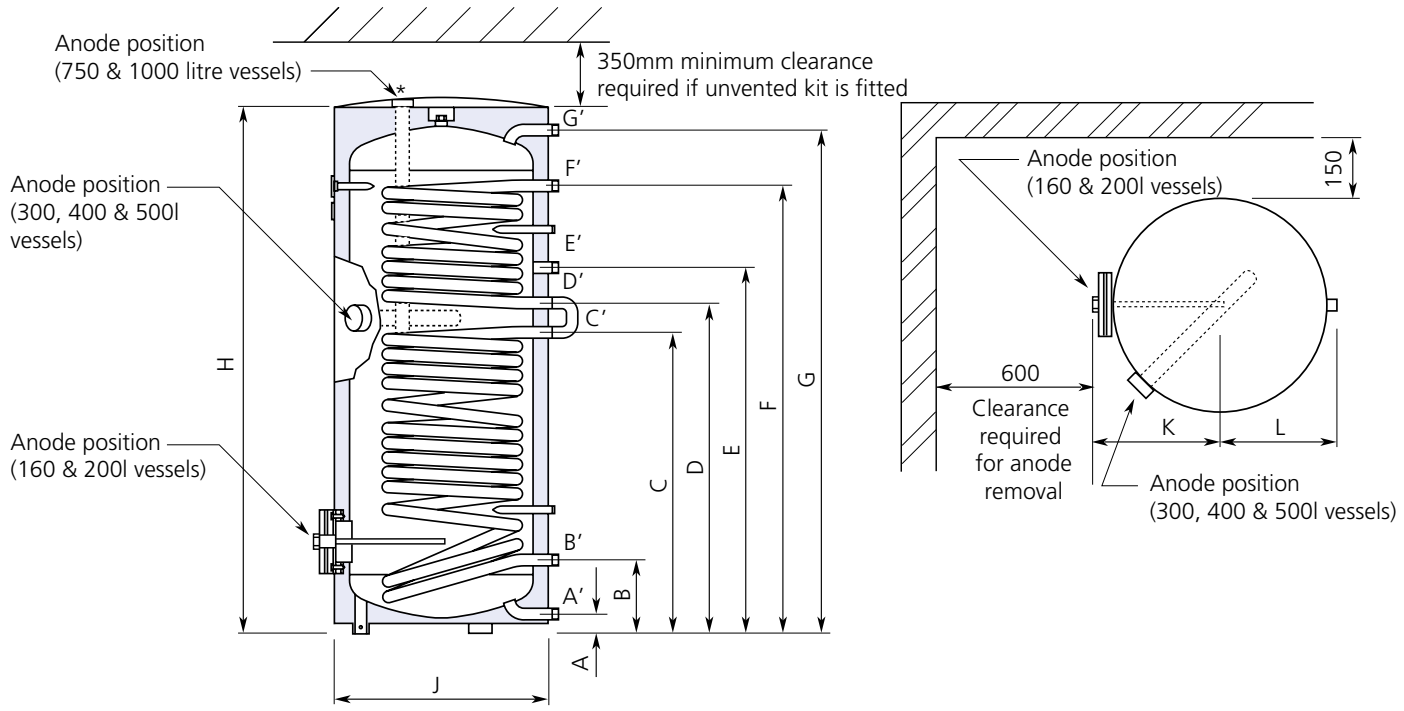
	Powerstock Calorifier model	Units	PS200
General data	ErP class		C
	Storage capacity	l	196
	Top coil surface area	m^2	N/A
	Top coil volume	l	N/A
	Bottom coil surface area	m^2	0.95
	Bottom coil volume	l	6.2
	Maximum operating pressure (primary - coil)	bar	10
	Maximum operating pressure (secondary - storage)	bar	10
	Maximum operating temperature (primary - coil)	°C	110
	Maximum operating temperature (secondary - storage)	°C	70
	Weight empty	kg	80
	Standby losses	kW/24hr	1.63
Bottom coil only	Continuous output*	l/h	600
	Heat input	kW	35.6
	10 min peak output*	l	362
	Recovery time	min	20
Top & bottom coil in series	Continuous output*	l/h	N/A
	Heat input	kW	N/A
	10 min peak output*	l	N/A
	Recovery time	min	N/A
Electrical	Destratification pump power supply		230V 50Hz 1 Phase
	Destratification pump power consumption	W	60
	Destratification pump current	A	0.35
	Electric anode power supply		230V 50Hz 1 Phase
	Electric anode power consumption	W	23
	Electric anode current	A	0.1

Electrical data		
Destratification pump power supply		230V 50Hz 1 Phase
Destratification pump power consumption	W	60
Destratification pump current	A	0.35
Electric anode power supply		230V 50Hz 1 Phase
Electric anode power consumption	W	23
Electric anode current	A	0.1

* Performance is based on a DHW flow temperature of 60°C, with a cold water inlet temperature of 10°C, and a primary inlet temperature of 80°C

Pressure loss and flow rates

Coil ΔT °C	Heat input (kW)	Flow rate (l/sec)	Coil pressure loss (mbar)
11	35.6	0.77	51
15	35.6	0.57	28
20	35.6	0.43	16



Model	Dimensions (mm)										
	A	B	C	D	E	F	G	H	J	K	L
PS200	55	193	688	n/a	901	n/a	1370	1445	540	312	295

Model	Connections Diameter (inches)						
	A'	B'	C'	D'	E'	F'	G'
	Cold water feed	Lower primary coil outlet	Lower primary coil inlet	Upper primary coil outlet	Recirculation connection	Upper primary coil inlet	Hot water outlet
PS200	R ¾"	R 1"	R 1"	n/a	R ¾"	n/a	R ¾"