

Technical submittal

Products: **Powerstock Calorifier PS160**

Project:

Customer:

Date:

- ⤵ Indirectly heated glass lined calorifier
- ⤵ Magnesium sacrificial anode corrosion protection
- ⤵ ErP compliant class B
- ⤵ 157l storage capacity
- ⤵ 20 minutes recovery time (bottom coil only)
- ⤵ Foam-lined insulation
- ⤵ Standby losses of 1.44kW/24hr
- ⤵ 501l/h continuous outputs (@50°C ΔT) (bottom coil only)



	Powerstock Calorifier model	Units	PS160
General Data	ErP class		B
	Storage capacity	l	157
	Top coil surface area	m ²	N/A
	Top coil volume	l	N/A
	Bottom coil surface area	m ²	0.75
	Bottom coil volume	l	4.9
	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	70
	Standby losses	kW/24hr	1.34
	Continuous output*	l/h	501
	Heat input	kW	29.2
Bottom coil only	10 min peak output*	l	250
	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

Every effort has been taken to ensure the details are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.



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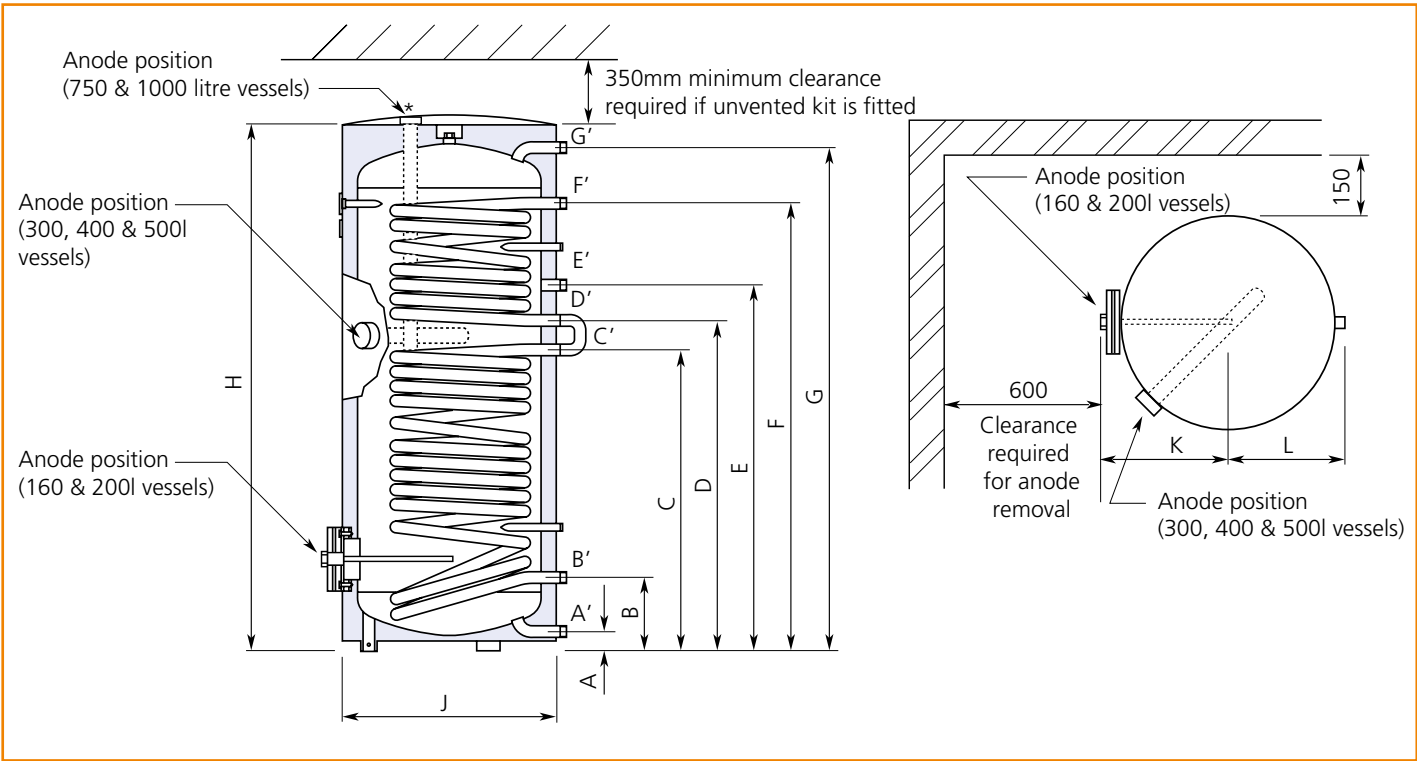


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Pressure loss and flow rates

Coil ΔT °C	Heat input (kW)	Flow rate (l/sec)	Coil pressure loss (mbar)
11	29.2	0.64	27
15	29.2	0.47	15
20	29.2	0.35	8



Model	Dimensions (mm)										
	A	B	C	D	E	F	G	H	J	K	L
PS160	55	193	598	n/a	734	n/a	1110	1184	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
PS160	R ¾"	R 1"	R 1"	n/a	R ¾"	n/a	R ¾"