PRODUCT INFORMATION Issue: Oct 26

Heat Geek Super Cylinder

150L–300L

WORLD HEAT CYLINDERS



The Heat Geek Super Cylinder: designed by Heat Geek, manufactured by World Heat.

A high-performance heat pump cylinder designed by Heat Geek and manufactured by World Heat: a stainless steel unvented hot water cylinder with a large corrugated stainless steel coil for heat pumps and other low-temperature heat sources.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key features

- Designed by Heat Geek, manufactured by World Heat
- Duplex stainless steel vessel with no sacrificial anode
- 4.0 m² corrugated stainless steel heat pump coil
- 50 mm CFC/HCFC-free polyurethane foam insulation
- Factory-fitted Incoloy immersion heater
- Slim (Ø475 mm) and Standard (Ø550 mm) formats

Supplied with the full G3 sealed system kit for the application

MADE IN MANCHESTER

Heat Geek Super Cylinder

Model		150 HEATGEEKSLIM	180 HEATGEEKSLIM	210 HEATGEEKSLIM	250 HEATGEEK	300 HEATGEEK
Nominal capacity (litres)		150	180	210	250	300
Actual stored-water capacity (litres)		146	176	205	244	293
Height (mm)		1474	1690	2003	1718	2031
Diameter (mm)		475	475	475	550	550
Packaged dimensions H × W × D (mm)		1574 x 475 x 475	1790 x 475 x 475	2103 x 475 x 475	1818 x 600 x 600	2131 x 600 x 600
Approximate weight (kg)	Empty	43	48	58	65	70
	Packaged	60	65	70	75	80
Control & relief valve settings	Pressure reducing & relief valve	3.0 bar / 6.0 bar	3.0 bar / 6.0 bar	3.0 bar / 6.0 bar	3.0 bar / 6.0 bar	3.0 bar / 6.0 bar
	Expansion vessel	12L	12L	18L	18L	24L
	T&P valve	7.0 bar / 90 °C	7.0 bar / 90 °C	7.0 bar / 90 °C	7.0 bar / 90 °C	7.0 bar / 90 °C
Valves supplied		3 kW Incoloy 1¾" BSP immersion heater with thermostat and manual-reset thermal cut-out; 4.0 m² MH 211 K DN32 corrugated stainless steel coil; Cold water inlet control group: pressure reducing valve (set to 3.0 bar), line strainer, non-return valve, expansion relief valve (6.0 bar) and balanced cold connection; Temperature and pressure (T&P) relief valve, 7.0 bar / 90 °C; Potable water expansion vessel, pre-charged to 3.0 bar; Tundish (15 mm inlet, 22 mm outlet); Drain valve (½" BSP with hose union); 22 mm compression fittings on the cold inlet, hot draw-off and secondary return				
Coil surface area (m²)	Heat pump coil	4	4	4	4	4
Immersion heaters fitted		1	1	1	1	1
Immersion heater		3.0 kW, 230 V AC, 50 Hz, 1¾" BSP, Incoloy	3.0 kW, 230 V AC, 50 Hz, 1¾" BSP, Incoloy	3.0 kW, 230 V AC, 50 Hz, 1¾" BSP, Incoloy	3.0 kW, 230 V AC, 50 Hz, 1¾" BSP, Incoloy	3.0 kW, 230 V AC, 50 Hz, 1¾" BSP, Incoloy
Secondary return		Yes	Yes	Yes	Yes	Yes
Cylinder material		Duplex stainless steel	Duplex stainless steel	Duplex stainless steel	Duplex stainless steel	Duplex stainless steel
Insulation type		CFC/HCFC-free polyurethane foam	CFC/HCFC-free polyurethane foam	CFC/HCFC-free polyurethane foam	CFC/HCFC-free polyurethane foam	CFC/HCFC-free polyurethane foam
Insulation thickness		50 mm	50 mm	50 mm	50 mm	50 mm
Standing heat loss (kWh/24h)		1.28	1.38	1.85	2.10	2.29
ErP energy efficiency class		B	B	C	C	C
ODP of insulation		0	0	0	0	0
GWP of insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5

* All pictures shown are for illustration purposes only

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