Quantum Hot Water Cylinder

Technical Details

Controls	•Setpoint temperature range of 40-65°C •Temperature is digitally controlled and measured with temperature probes that are precise to 0.2°C •Single day programmable timer available in standalone mode •Has holiday mode, hygiene mode and boost mode controls
Controller UI	•Graphical display with RGB backlight •Capacitive buttons with tactile feedback •User replaceable battery (Coin-Type)
Controller Functions	•Automatic charge control •History/reporting screens for energy usage •User controlled boost function •User controlled charge profile •Current and past temperature information •Controller child lock
Safety Features	•Hygiene function to stop growth of legionella bacteria •If a temperature probe exceeds 80 degrees all immersions will shut down •If a temperature probe stops working the boost immersion will be disabled and an error message is displayed on the UI
Colour/ Finish	•Black Cladding •Matted grey finish on metal cover
Battery Backup	3.3V coin cell battery to backup real time clock. Battery life > 5 years.
Supply	•1/N/PE 230-240V / 50Hz (Peak / Off Peak) Class II •Permanent supply (Peak supply) •Switched supply (Off Peak supply)
Immersions	•1 ¾ F BSP 3kW
IP Rating	IPX4

Warranty & Approvals

Approvals	KIWA (Water and building regulations)
Warranty	•25 year warranty for inner cylinder •2 years for immersion excluding effects from water borne contaminants •2 years for all other components excluding the expansion vessel
Country of Origin	United Kingdom
Manufacturer	GDC Group Ltd. Trading as Glen Dimplex Heating & Ventilation

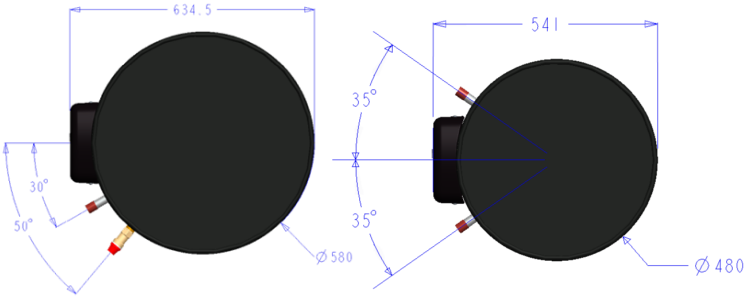
Product Description

Quantum Hot Water Cylinders are a high heat retention and high efficiency electrically heated cylinder. This allows low cost, low carbon electric water heating that can work with a demand side management system to minimise running costs and align charging periods with off peak and cheap electricity.

Key Features

- G3 compliant and KIWA approved duplex stainless steel cylinder. Designed for use in an all-electric property with off-supply or for use with the future smart grid (additional components required).
- Programmable 24 hour charge profile with four separate charging windows.
- Intuitive ergonomically designed controls with an easy to read display.
- User controlled water temperature.
- With user controlled boost immersion for rapid re-heat.
- Factory fitted with 60mm of CFC/HCFD free foam insulation for unrivalled heat retention.
- Completely void free insulation even around immersions and thermostats.
- Pre wired immersion heaters and sensors for easy installation.
- Parts and labour guarantee on the cylinder vessel for 25 years and 2 years on other components.
- All connections accessible from the front for easy installation and maintenance.

Output & Dimensions



Model/Item No. (EAN-Code 5011139+Item No.)	081858	QWCd125-580RF	081865	QWCd135-480RF	081872	QWCd150-580RF	081889	QWCd180-480RF	081896	QWCd210-580RF	081902	QWCd250-580RF	081919	QWCd300-580RF
Output (kW)	3		3		3		3		3		3		3	
Element 1 & 2 (kW)	3		3		3		3		3		3		3	
Cylinder Capactity (L)	125		135		150		180		210		250		300	
Max Capacity (kWh)	7.927		8.561		9.512		11.415		13.317		15.854		19.024	
Water Volume (L)	125		135		150		180		210		250		300	
T&P Valve* (mm)	720		1180		890		1535		1265		1540		1840	
Height (mm)	945		1387		1115		1760		1490		1765		2065	
Diameter (mm)	580		480		580		480		580		580		580	
Empty Weight (Kg)	24		25		27		30		34		42		48	
Packaging Details														
Height (mm)	1260		1590		1440		1590		1930		2100		2200	
Width (mm)	590		650		590		650		620		590		600	
Depth (mm)	600		600		600		600		590		600		590	
Packed Weight (Kg)	41		38.6		44.5		44.1		52.2		61		59.2	
Ti	1		1		1		1		1		1		1	
Hi	1		1		1		1		1		1		1	
Pallet Quantity (2.4m high)	2		2		2		2		2		2		2	

*Only applicable to unvented cylinders