



BY HEATRAESADIA



DATA SHEET

Megaflo Eco SolaReady Direct

UNVENTED CYLINDER

Megaflo Eco SolarReady takes the complexity out of installation by having all the necessary solar thermal components factory fitted and prewired to the cylinder. Not only can it produce unrivaled high performance showering and fast filling baths without the need for pumps; it provides an exceptionally neat installation and saves time too. Simply connect to either flat plate solar collectors or evacuated tubes to enjoy the sun's free energy. Proudly made in the UK with a life time guarantee* for total peace of mind.

76 l/min at 3 bar	2x3 kW Titanium	260 Litres	60 mm
MAX FLOW	IMMERSION HEATER	NOMINAL CAPACITY	INSULATION



FEATURES

- Factory fitted solar components
- 60mm insulation
- Titanium elements
- Insulated T&P valve
- High grade duplex stainless steel
- Megaflo Eco delivers up to 76 litres per minute of hot water at 3 bar pressure

BENEFITS

- Neat appearance, saves space and reduces installation time
- Best possible heat retention and energy efficiency
- Longer lasting and durable elements suitable for hard water areas
- Reduces heat loss for better energy efficiency
- High corrosion resistance and a high strength to weight ratio
- Outstanding hot water performance without the need for shower pumps, even at low pressures

*In domestic installations

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SPECIFICATIONS

Model	260DD
Product code	95050508
Nominal capacity (litres)	260
Insulation thickness (mm)	60
Immersion heater rating (No. x kW) (Titanium)	2 x 3
Weight empty (kg)	47.3
Weight full (kg)	307.3
Standing heat loss (kWh/24h)	1.63
Standing heat loss (kWh/year)	594.95
Max flow at 3.5 bar (l/min)	76
Max flow at 1 bar (l/min)	45
Heat up time direct at 45K (mins) using lower element only (3kW)	178

ERP TECHNICAL DATA

Storage volume V in litres @ 3 bar	170
Mixed water at 40°C V40 in litres	271
The declared load profile	XL
The water heating energy efficiency class of the model	C
The water heating energy efficiency in %	38.3
The annual electricity consumption in kWh	4377
The daily electricity consumption in kWh	20.19
The thermostat temperature settings of the water heater, as placed on the market by the supplier	60°C

TECHNICAL SPECIFICATION

Maximum supply pressure to incoming mains cold water combination valve (supplied)	1.6 MPa (16 bar)
Minimum recommended supply pressure and flow rate	0.15 MPa (1.5 bar) – 20 litres per minute
Operating pressure	0.35 MPa (3.5 bar)
Inner water container	High grade duplex stainless steel pressure tested to 15 bar
Thermal insulation (nominal thickness 60mm)	CFC/HCFC free, fire retardant expanded polyurethane foam with zero ozone depletion Global warming potential (GWP) = 3.1
Pressure relief valve	0.8 MPa (8 bar)
Solar primary pressure relief valve	0.6 MPa (6 bar)
Immersion heater rating (AC supply only)	3kW @ 240V 2.8kW @ 230V
Connections	22mm compression Secondary return ½" BSP female connection

COMPONENTS

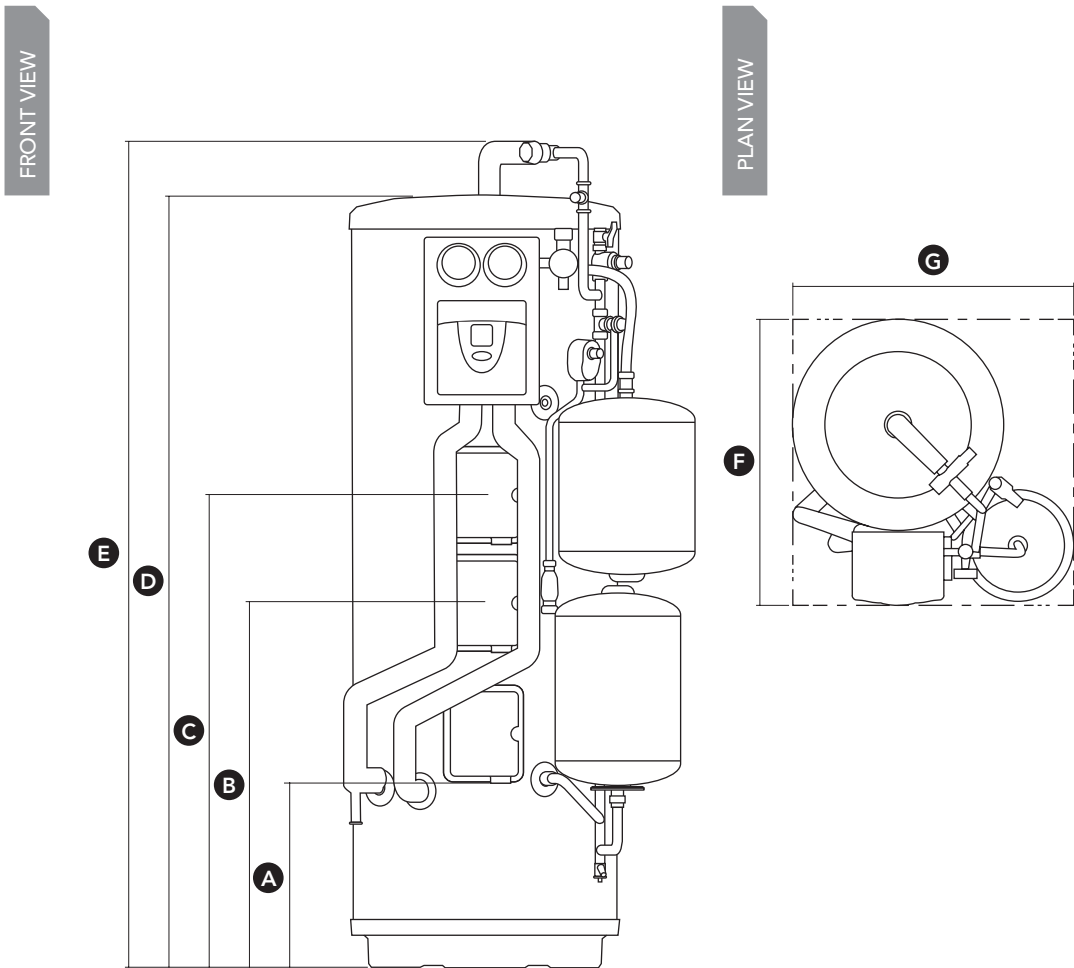
The following components are supplied as standard with Megaflo Eco SolaReady Direct

Immersion(s)	Factory fitted immersion heater(s) and thermal controls Titanium elements
Cold water	Cold water inlet kit control kit comprising of: 0.35MPa (3.5 bar) pressure reducing valve 0.8MPa (8 bar) pressure relief valve (BS EB 1567, BS EN 1491, EN 13959) 1/4 turn isolating valve, line strainer, non-return valve, drain valve
Safety	Factory fitted temperature and pressure relief valve set at 90°C / 1 Mpa (10 bar) (BS EN 1490) inc T&P valve insulation kit 15/22mm Tundish 24 litre solar circuit expansion vessel with connection pipe 24 litre domestic hot water expansion vessel and bracket Positioning handles Thermostatic blending valve Relay
	Megaflo solar pump station comprising of: Solar primary circuit circulating pump, air separator, flow and return temperature gauges, flow and return combined isolating/check valves, solar primary pressure relief valve 0.6 Mpa (6 bar)/ solar differential temperature controller, flowmeter

A range of solar collectors and accessories are available through Heatrae Sadia, visit heatraesadia.com for further details.

DIMENSIONS

Model	260DD
A Cable entry lower (mm)	454
B Element control housing (mm)	916
C Back up element control housing (mm)	1165
D Height (overall) (mm)	1909
E Height mm (cylinder) (mm)	1798
F Depth (mm)	780
G Width (mm)	770





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CODES OF PRACTICE/LEGISLATION

EU Directives:

- Pressure Equipment Directive 97/23/EC.
- Low Voltage Directive (LVD) 2014/30/EU.
- RoHS Directive 2011/65/EU.
- Electromagnetic Compatibility (EMC) Directive 2014/35/EU.

Legislation:

- Building Regulations Part G and Part L (England and Wales).
- Scottish Building Standards Section 4 and Section 6.
- Building Regulations (Northern Ireland) Parts F1 and F2 and Part P.
- Water Supply (Water Fittings) Regulations (England and Wales).
- The Water Byelaws 2004 (Scotland).
- Water Supply (Water Fittings) Regulations (Northern Ireland).

Standards:

- Relevant clauses of the following standards are complied with:
- EN 12897 – Specification for indirectly heated unvented cylinders.
- Safety-Particular requirements for storage water heaters.
- The stainless steel materials used comply with the relevant clauses of:
- EN 10088 – Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes.

Components supplied comply with the following standards:

- BS EN 1490 Building Valves – Combined Temperature and Pressure Relief Valves.
- BS EN 1491 Building Valves – Expansion Valves.
- BS 6144 Specification for Expansion Vessels Using An Internal Diaphragm For Unvented Water Supply Systems.
- BS EN 1567 Building Valves – Water Pressure Reducing Valves and Combination Reducing Valves.
- BS EN 60730-1 Automatic Electrical Controls – For households and similar use. Part 1: General Requirements.
- BS EN 60730-2-8 Automatic Electrical Controls – Particular Requirements for Electrically Operated Water Valves.
- BS EN 13959 Anti-pollution Check Valves.

The use of these water heaters will aid in compliance with:

- Health and Safety Executive Approved Code of Practice L8: The control of legionella bacteria in water systems.
- BS EN 806 Parts 1 to 5: Specification for installations inside buildings conveying water for human consumption.
- BS 8558 Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings.
- Chartered Institute of Building Services Engineers Guide B and Guide F.

Manufactured in a factory approved to:

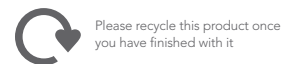
- BS EN ISO 9001
- OHSAS 18001
- ISO 50001
- ISO 14001

Megaflo Eco SolaReady approvals:

- Kiwa Certification Number: 1608714.
- Nemko Certification Number: P10213136/A6.



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MEGAFLO may introduce modifications to their products from time to time. Consequentially the details given in this data sheet are subject to alteration without notice.