



BY HEATRAESADIA



DATA SHEET

Megaflo Eco Slimline Indirect

UNVENTED CYLINDER

Complete with the tried and tested internal expansion system, Megaflo Eco Slimline offers a number of features that place it well ahead of the competition on performance, quality and reliability.

70
l/min
at 3 bar

MAX FLOW

491
mm

CYLINDER DIAMETER

100-200
Litres

NOMINAL CAPACITY

50
mm

INSULATION



FEATURES

Internal expansion with floating baffle

Slimline cylinder

High performance insulation

In line connections

High grade duplex stainless steel

Megaflo combination valve delivering up to 70l/min at 3 bar

BENEFITS

Saves space and reduces installation time

Smaller footprint fits in tight airing cupboards or through loft hatches

Reduces heat loss for better energy efficiency

Saving space

High corrosion resistance and a high strength to weight ratio

Outstanding performance

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SPECIFICATIONS

Model	100i	125i	150i	170i	200i
Product code	7034087	7034088	7034089	7034090	7034091
Nominal capacity (litres)	100	125	150	170	200
Internal expansion with floating baffle	√	√	√	√	√
Insulation thickness (mm)	50	50	50	50	50
Immersion heater rating (kW)	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3
Weight empty (kg)	31	36	40	45	48
Weight full (kg)	131	162	186	219	243
Standing heat loss (kWh/24h)	1.13	1.38	1.46	1.72	1.94
Standing heat loss (kWh/year)	412	504	533	628	708
Max flow at 3 bar (l/min)**	70	70	70	70	70
Max flow at 1 bar (l/min)**	40	40	40	40	40
Heat up time at 15l/min, 80°C primary flow (mins) from 15°C to 60°C	19	26	27	31	35
Recovery 70% draw off (mins)	13	16	20	22	26

ERP TECHNICAL DATA

Storage volume V in litres @ 3 bar	100	126	146	174	195
Standing loss in W	47.1	57.5	60.8	71.6	78.3
Mixed water at 40°C V40 in litres	113	149	178	218	247
The water heating energy efficiency class of the model	B	C	C	C	C
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	0.3 MPa (3 bar)
Inner water container	High grade Duplex stainless steel pressure tested to 15 bar
Thermal insulation (nominal thickness 50mm)	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)
Immersion heater rating (AC supply only)	3kW @ 240V 2.8kW @ 230V
Connections	22mm male connections
Domestic Hot Water Expansion	Megaflo Eco Slimline has an internal air gap with floating baffle, which accommodates hot water expansion. Meaning that there is no need to fit an external expansion vessel

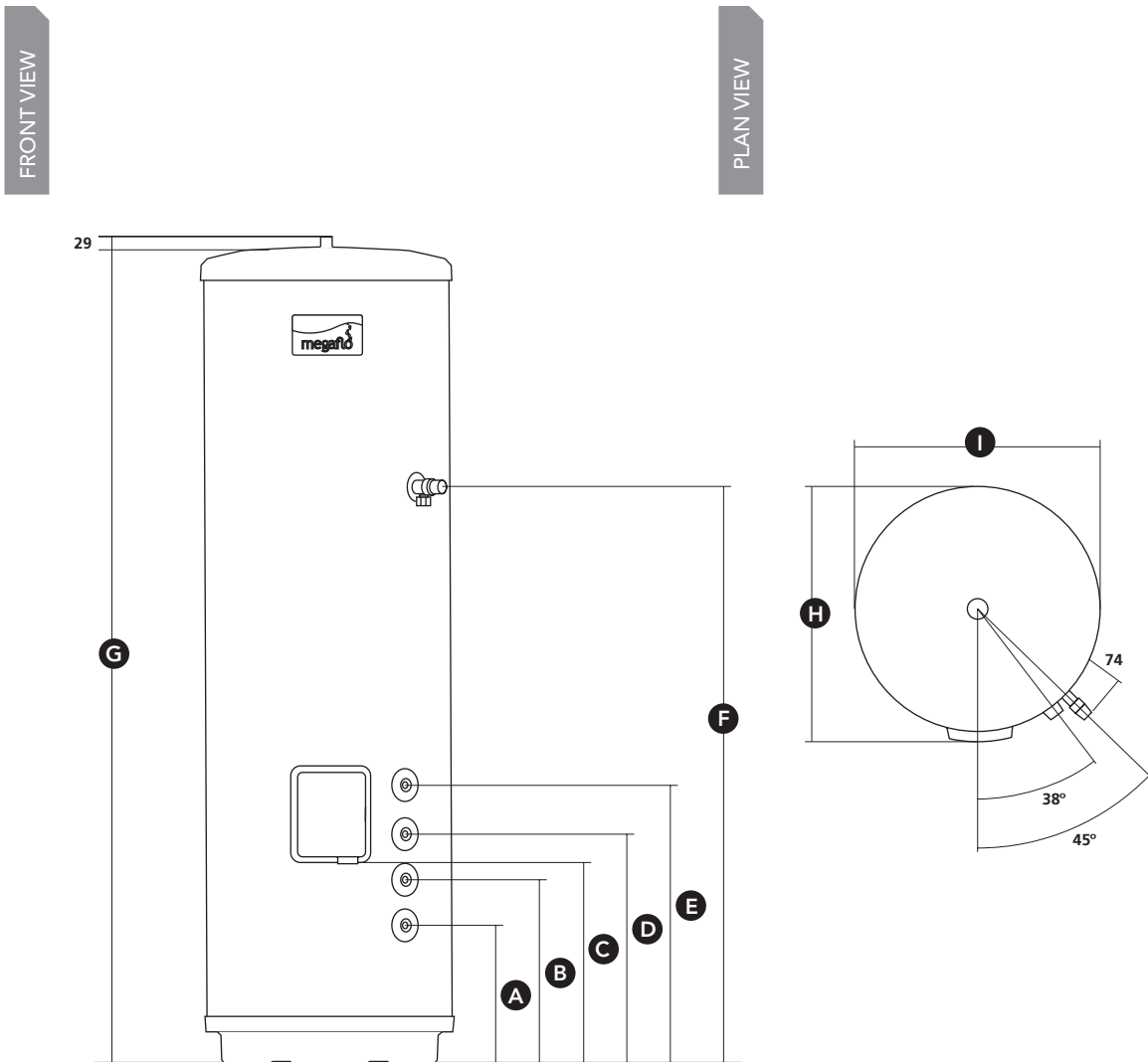
COMPONENTS

The following components are supplied as standard with Megaflo Eco Slimline Indirect

Immersion(s)	Factory fitted immersion heater(s) and thermal controls.
Cold water	Cold water inlet control kit comprising of 0.3MPa (3 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
Electrical	Wiring centre 22mm 2 port motorised valve

DIMENSIONS

Model	100i	125i	150i	170i	200i
A Primary return (mm)	267	267	267	267	267
B Primary flow (mm)	347	347	347	347	347
C Cable entry lower (mm)	367	367	367	367	367
D DHW inlet (mm)	427	427	427	427	427
E Sensor pocket (mm)	507	507	507	507	507
F T&P relief valve (mm)	729	970	1123	1361	1535
G Height (mm)	1194	1440	1622	1883	2079
H Depth (mm)	516	516	516	516	516
I Width (mm)	491	491	491	491	491





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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.
- EN 60335-2-21 - 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 Slimline approvals:

- Kiwa Certification Number: 1607706.
- Nemko Certification Number: P16221161.



For more information
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Please recycle this product once you have finished with it

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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.