23016 - Flextherm Eco G2 12D

Produkt Datenblatt 2024/07/30

The Flextherm Eco G2 is a thermal battery. It converts electricity directly into heat and stores it for the provision of hot water. With its compact design and efficient operation, Flextherm Eco fits in every home and is a very energy efficient appliance.

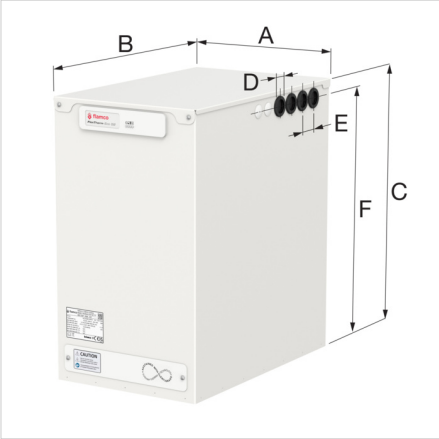
Delivers hot water efficiently from Solar PV, heat pumps and boiler as an indirect cylinder alternative. With grid electricity backup for greater flexibility when required.

Marrying a solar PV system with a Flextherm Eco G2 D (4 pipe) provides households with cascades of hot water, even when the sun doesn't shine. It works by storing surplus electricity from solar PV that would otherwise be lost to the grid, giving an abundance of hot water for free when it's needed. A secondary heat source, such as a boiler, is always ready to take over when the sun is not shining.

Vorteile

- Simple user interface.
- Quick and easy to install.
- Flexibility of orientation.
- High powered heat exchanger.
- Patented PCM formulation - storing 4x more energy than water.
- Space-saving - up to 4x smaller.
- Modular - easily combined to increase storage capacity.
- A+ energy rating, saves up to 1000 kWh a year.
- High flow rate hot water.
- Instantaneously heated for hygiene and freshness.
- Fast and easy to install.
- No mandatory annual maintenance.

Beschreibung		Flextherm Eco G2 12D
Bestell- nummer		23016
GTIN		08712874230163
Model		Flextherm Eco G2 D (4 pipe)
Inhalt [kWh]		333
Anschlüsse D-E (4x)		22 Kupfer
Achsabstand D-E [mm]		50
Abmessungen	A [mm]	365
	B [mm]	575
	C [mm]	1050
	F [mm]	833

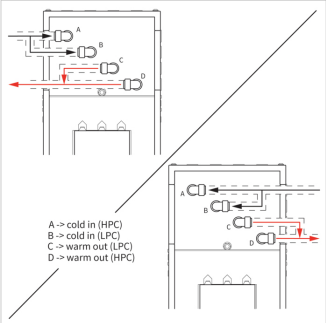


Technische Daten Flextherm Eco G2 D (4 pipe)

Spezifikationen	Flextherm Eco G2 D - (4 pipe)		
	6D	9D	12D
Energy label class [6]	A^+	A^+	A^+
Equivalent hot water cylinder size [l] [4]	128	192	256
Volume of hot water available at 40 °C (V40) [l] [5]	167	271	333
Recommended maximum HW flow rate [l/min] [7]	15	20	25
Recommended operating pressure / PRV set point [MPa (bar)]	0,3 (3)	0,3 (3)	0,3 (3)
Maximum operating pressure / PRV set point [MPa (bar)]	0,5 (5)	0,5 (5)	0,5 (5)
BERV recommended set point [MPa (bar)]	0,6 (6)	0,6 (6)	0,6 (6)
Wasservolumen - Primärkreis [l]	3,7	5,3	6,4
Fresh water content - Secondary circuit [l] [1]	3,7	5,3	6,4
Maximum design pressure / BERV maximum set point [MPa (bar)]	1,0 (10)	1,0 (10)	1,0 (10)
Equivalent hot water cylinder size [l] [2]	142	212	284
Volume of hot water available at 40 °C (V40) [l] [3]	199	301	402
Heat loss [kWh/24h (W)]	0,67 / (28,1)	0.77 / (32.1)	0.84 / (34.9)
Minimum Heat source return temperature [°C] [9]	63	63	63
Maximum Heat source flow temperature [°C] [8]	80	80	80
Recommended maximum charging flow rate [l/min]	15	20	25
Minimum supply pressure at Heat Battery inlet [MPA (bar)]	0,15 (1,5)	0,15 (1,5)	0,15 (1,5)
Connected load at ~230 V, 50Hz [W]	2800	2800	2800
Recommended TMV (thermostatic mixing valve) setting [°C]	45 - 55	45 - 55	45 - 55
Power supply / Standby consumption	1 PH AC 230 V / 7	1 PH AC 230 V / 7	1 PH AC 230 V / 7
Net weight - empty [kg]	129	176	220
Net weight - filled [kg]	136	187	233

[1] Water content of the Heat Battery for sizing expansion vessels.
[2] Calculated from the storage capacity of the Heat Battery when charged to maximum set points and assuming that the equivalent hot water cylinder thermostat is set at 60 °C, mains cold water inlet temperature is at 10 °C and the stored energy utilisation factor of the cylinder is 0.85.
[3] The hot water volume available from the Heat Battery normalised to an average outlet temperature of 40 °C when it is fully charged by the back-up electric heating element.

[4] Calculated from the storage capacity of the Heat Battery when charged to heat pump set points and assuming that the equivalent hot water cylinder thermostat is set at 60 °C, mains cold water inlet temperature is at 10 °C and the stored energy utilisation factor of the cylinder is 0.85.
[5] The hot water volume available from the Heat Battery normalised to an average outlet temperature of 40 °C when charged to heat pump set points.
[6] When heated by an External Heat Source.
[7] While the Heat Battery can deliver higher flow rates than those listed, doing so will result in reduced performance in terms of duration of discharge and energy provided.
[8] DO NOT exceed this temperature value when charging the Heat Battery using an External Heat Source. A thermal regulating or cut-off device MUST be present on the external heat source to prevent this.
[9] The External Heat Source MUST be able to reach this temperature on the Return back to the External Heat Source from the Heat Battery Outlet at the end of the charging cycle.








Klassifizierung Allgemeine Daten

Etim Gruppe	Wärmeerzeuger
Etim Klasse	Warmwasserspeicher elektrisch
Produktname	FlexTherm Eco G2 12D
Marke	FLAMCO
Produkttyp	Phase Change Storage
Bestellnummer	23016
GTIN	08712874230163

Mehr Informationen online finden:

Quick start guide
Installation and operating instruction
Wiring & Settings (Flextherm Eco G2 with PV)
Wiring & Settings (Flextherm Eco G2 with HP)
EU Declaration of Conformity
Brochure Flextherm Eco G2 (ENG)
FlexTherm Eco

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