

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.

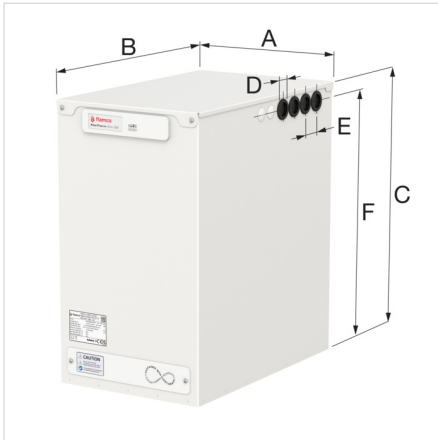


Voordelen

- 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.

Omschrijving	Flextherm Eco G2 12D	
Artikelnummer	23016	
GTIN	08712874230163	
Model	<u>Flextherm Eco G2 D (4 pijps)</u>	
Inhoud [kWh]	333	
Aansluitingen D-E (4x)	22 koper	
Axiale afstand D-E [mm]	50	
Afmetingen	A [mm]	365
	B [mm]	575
	C [mm]	1050
	F [mm]	833





Flextherm Eco G2 D (4 pijps) - Prestaties

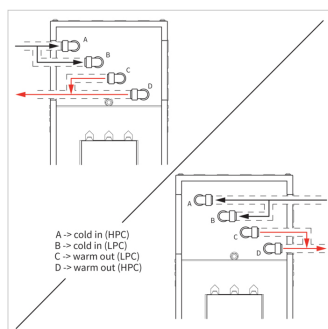
Technische gegevens	Flextherm Eco G2 D - (4 pijps)		
	6D	9D	12D
Energy label class ⁶⁾	A ⁺	A ⁺	A ⁺
Equivalent hot water cylinder size [l] ⁴⁾	128	192	256
Volume of hot water available at 40 °C (V40) [l] ⁵⁾	167	271	333
Recommended maximum HW flow rate [l/min] ⁷⁾	15	20	25
Recommended operating pressure / 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)
Volume water - primair circuit [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.



Algemene classificatie data

ETIM groep	Warmteopwekkers
ETIM klasse	Boiler elektrisch
Product naam	FlexTherm Eco G2 12D
Merk	FLAMCO
Product type	Phase Change Storage
Artikelnummer	23016
GTIN	08712874230163

Classificatie Attributen

Materiaal boilervat	Kunststof
Kwaliteitsklasse boiler	Overig
Oppervlaktebescherming vat	Gecoat
Materiaal mantel	Staal
Tankvolume	284 Liter
Aansluitspanning	230 Volt
Nom. vermogen	2.8 Kilowatt
Aansluitspanning	230 - 230 V
Drie fase uitvoering	Nee
Frequentie	50 Hz
Uitvoeringsvorm	Staand
Plint boiler	Nee
Toepasbaar bij normale waterdruk	Ja
Met nachtstroomschakeling	Nee
Lagedruk uitvoering	Nee
Hot fill	Nee
Duo uitvoering	Nee
Geschikt voor kokend water	Nee
Met waterkoeler	Nee
Wandopstelling	Nee
Plaatsing collector horizontaal	Nee
Plaatsing horizontaal	Nee
Plaatsing verticaal	Ja
KIWA-keur	Ja
Met temperatuurindicatie	Nee
Temperatuurbegrenzing	Ja
Max. toelaatbare bedrijfsdruk	10 bar
Met circulatie-aansluiting	Ja
Max. werkdruk	5 bar
Met kraan/mengkraan	Nee
Met drukreducerendventiel	Nee
Met thermometer	Nee
Met reinigingsopening	Nee
Beschermingsanode	Nee
Hoogte	1050 Millimeter
Breedte	365 Millimeter
Diepte	575 Millimeter
Nom. diameter koud tapwater	DN 20
Uitwendige buisdiameter koud tapwater	22 Millimeter
Aansluiting warm tapwater	Overig
Nom. diameter warm tapwater	DN 20
Uitwendige buisdiameter warm tapwater	22 Millimeter
Capaciteitsprofiel	XXL
Energie-efficiëntieklasse	A+

Vind meer informatie online:[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 \(ENG\)](#)[Brochure Energie-investeringsaftrek \(EIA\)](#)[Flyer EIA subsidie duurzaam investeren](#)[The Green Village](#)[ErP label Flextherm Eco G2 6D](#)[ErP label Flextherm Eco G2 9D](#)[ErP label Flextherm Eco G2 12D](#)[FlexTherm Eco](#)[Installatie video FlexTherm Eco](#)