

THERMAflow[®]

Solar - Heating - Hot Water

High Efficiency Electric Combination Boilers
&
Solar Central Heating & Hot Water



**STORING TODAY'S
LOW COST
ENERGY
FOR
TOMORROW'S
USE**

WWW.THERMAFLOWHEATING.CO.UK

WELCOME TO THE THERMAFLOW BROCHURE 2014
CLICK ANY SECTION TO FIND OUT MORE
FEEL FREE TO DOWNLOAD OR PRINT

Leading the way in reducing fuel poverty

Reduce running costs by automated use of off peak electricity (Savings up to 40%)*

Long-life-Vessel guaranteed 25 years. Lasts approximately twice as long as gas and direct acting electric boilers

More efficient off-gas option than Oil, LPG, Solid Fuel or Storage Heaters

Easy to install (half the usual installation time)

Easy to maintain

Link to renewable energy options-solar thermal and wood burning appliances for both heating and hot water



For further details about all our products visit: www.thermaflowheating.co.uk

Available options in all sizes:

Standard Model
Solar Model
Wood Burner Model
Solar & Wood Burner Model
District Interface Heating Model

Accessories:

Solar Transfer Set
Wood Burner Transfer Set
Solar Wood Burner (combined) Transfer Set
Off Peak Control E10 / E7 Tariffs (reduce running costs)

Guarantee:

Stainless Steel Vessel 25 years
Ancillary Components &
Expansion Vessel 2 Years



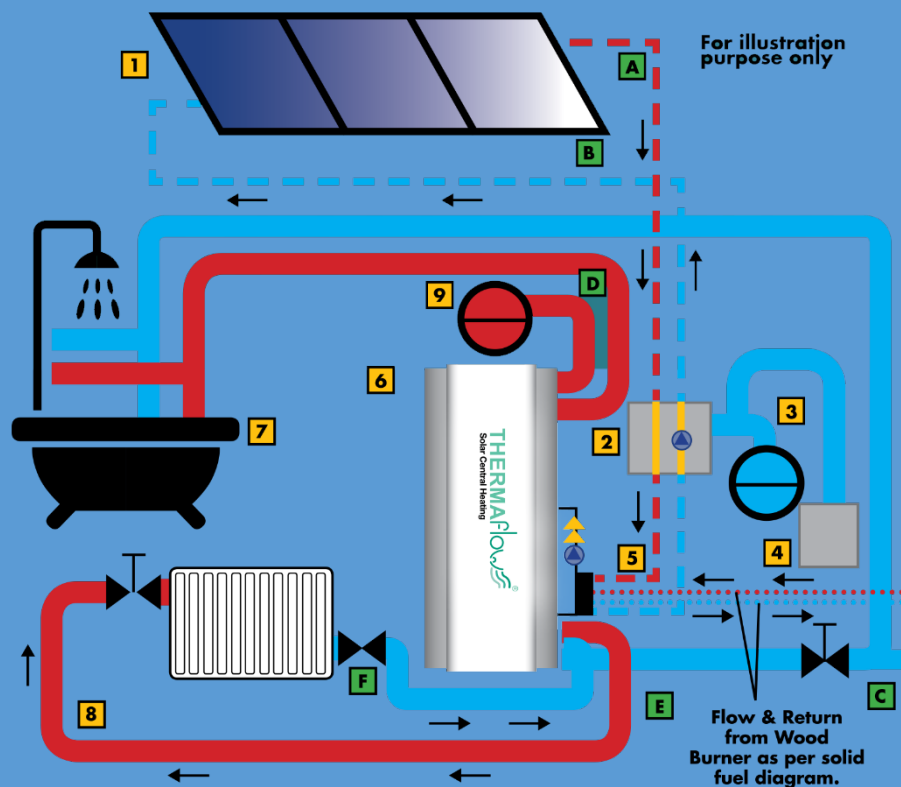
Solar Central Heating & Hot Water

Package Options:

Boilers plus Flat Plate Solar System packages

Solar Boilers (for existing solar systems)

Flat Plate Solar systems with up to 20 years warranty



Thermaflow Solar model uniquely harnesses renewable energy for both heating and hot water

1. Solar Panels
2. Solar Pump Station
3. Solar Expansion Vessel
4. Discharge Tank
5. External Primary Transfer Kit
6. Thermaflow Electric Combi
7. Hot & Cold Demand
8. Space Heating
9. Primary Expansion Vessel

- A. Solar Panel Flow Pipe
- B. Solar Panel Return Pipe
- C. Cold Water Supply
- D. Hot Water Supply
- E. Central Heating Flow
- F. Central Heating Return

Technical Information

Model	TH9 / 210U MRK2	TH9 / 250U MRK2	TH9 / 330U MRK2	TH12 / 210U MRK2	TH12 / 250U MRK2	TH12 / 330U MRK2	TH12 / 450U MRK2
Height (mm)	1590	1840	1950	1590	1840	1950	1920
Width (mm)	550	550	600	550	550	600	710
Depth (mm)	690	690	720	690	690	720	850
Capacity (L)	218	250	330	218	250	330	450
Max system capacity (L) @ 10° C	310	360	470	310	360	470	610
Lift weight (kg)	60	65	75	60	65	75	100
Total weight (kg)	70	77	85	70	77	85	110
Weight when full (kg)	278	315	405	278	315	405	550
Performance - Energy Output							
Output heating ¹ (kW) <small>see below</small>	10	11	13	13	14	16	18
DHW flow rate @ 35°CΔt (L/min)	20	20	25	20	20	25	30
DHW available for use (L) <small>see below</small>	250	300	390	260	310	400	600

Heating and HW output is available when used solely for either, and with the full store completely charged to maximum temperature and power in the boiler. (For a limited period only depending on energy being drawn off, before reducing back to boiler input figures shown)*

Heat up 75° Δt (mins)	162	185	244	122	139	183	248
Re-heat 70% (mins)	113.4	129.5	170.8	85.4	97.3	128.1	173.6
Min water supply pressure (bar)	0.8 (80KPA)	0.8 (80KPA)	0.8 (80KPA)	0.8 (80KPA)	0.8 (80KPA)	0.8 (80KPA)	0.8 (80KPA)
Max cold supply pressure	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
Max system pressure - Primary (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
Max heating system content (excluding store volume) - Primary (L)	110	130	150	110	130	150	170
Expansion vessel charge pressure Primary (bar)	1.0 (100KPA)	1.0 (100KPA)	1.0 (100KPA)	1.0 (100KPA)	1.0 (100KPA)	1.0 (100KPA)	1.0 (100KPA)
Expansion vessel charge pressure - Secondary (bar)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)	2.5 (250KPA)
Safety Valve - Preset (bar)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)	3 (300KPA)
Connections	Compression	Compression	Compression	Compression	Compression	Compression	Compression
CH - Flow & Return (mm)	22	22	22	22	22	22	22
Domestic cold inlet (mm)	22	22	22	22	22	22	22
Domestic hot outlet (mm)	22	22	22	22	22	22	22
Safety relief valve (mm)	15	15	15	15	15	15	15

ELECTRICAL SUPPLY OFF-PEAK

*Boiler power rating (kW)	9	9	9	12	12	12	12
Rated voltage - Single Phase~ (V)	~240	~240	~240	~240	~240	~240	~240
Rated current (A)	40	40	40	52	52	52	52

ELECTRICAL SUPPLY 24HR DOMESTIC

Total power consumption of controls (W)	190	190	190	190	190	190	190
Rated voltage - Single Phase~ (V)	~240	~240	~240	~240	~240	~240	~240
Rated current (A)	3	3	3	3	3	3	3

ENERGY EFFICIENCY RATING - 99.4%

Thermaflow Ltd reserves the right to amend specifications at any time without notice. All copyrights, trademarks and patents acknowledged.

THERMAflow Ltd. Napier Court, Wardpark, Cumbernauld, GLASGOW, G68 0LG
email : enquiries@thermaflowheating.co.uk Tel : 0870 850 5207 Fax : 0870 850 5208