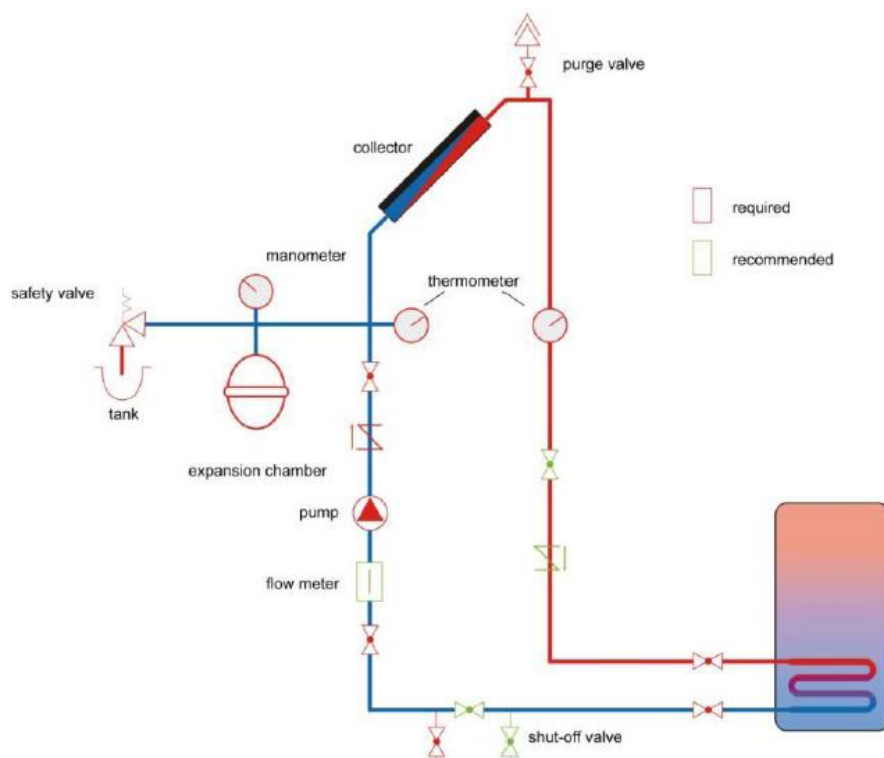


FORCED CIRCULATION SYSTEM – ONE COIL

Forced-circulation systems with all components ready to install. Easy and quick installation of integrated pump and control system.

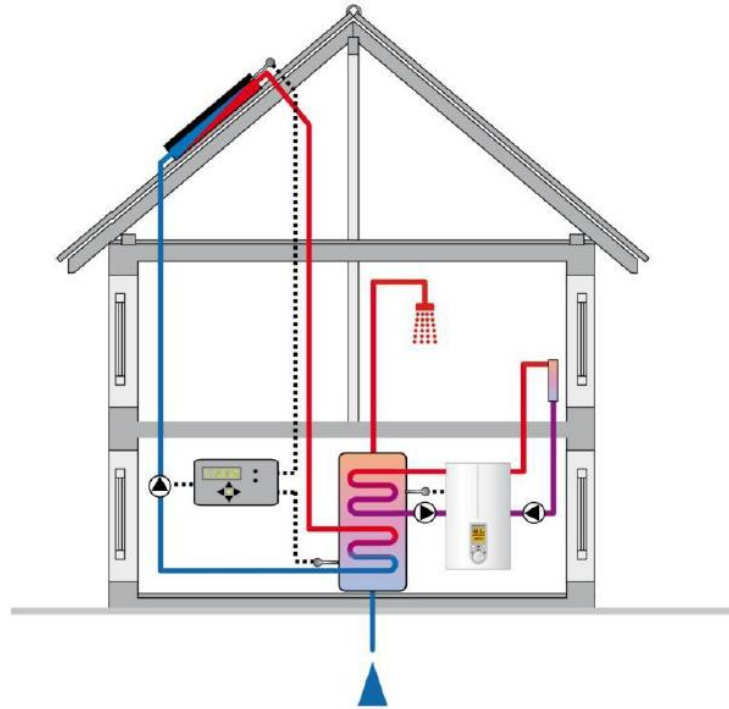
We offer models ranging from 500 l to 5000 liters designed for distances between the accumulation and the collecting of up to 30 meters. With galvanized steel structures with a high mechanical resistance and highly resistant to corrosion.



Item	No. of Collectors	Net Area
500 LT	3	6
1000 LT	6	12
2000 LT	12	24
3000 LT	18	36
4000 LT	24	48
5000 LT	30	60

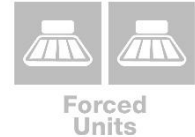
FORCED CIRCULATION SYSTEM – TWO COILS

Systems with double coil storage tanks enabling connection to other heating systems.



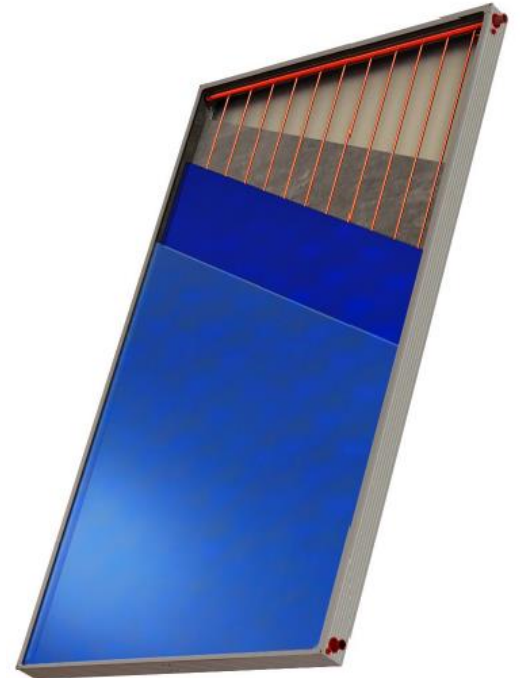
Item	No. of Collectors	Net Area
500 LT	3	6
1000 LT	6	12
2000 LT	12	24
3000 LT	18	36
4000 LT	24	48
5000 LT	30	60

- CO_2 Saving: 335 Kg/m²
- $Q_{sol.}$: 900 – 1100 kWh/m²
- Solar Fraction: 60 – 70 %



FORCED CIRCULATION SYSTEM – Solar Collectors

- Header: copper tubes $\varnothing 22 \times 0.7$ mm.
- Risers: copper tubes $\varnothing 8 \times 0.4$ mm.
- Absorbing Surface: High selective treatment (with $\alpha = 95\%$, $\epsilon = 5\%$) on the aluminum surface with thickness 0.5 mm.
- Laser Welding: between copper risers & aluminum absorbing surface.
- Back Insulation: Rockwool special for solar thermal collectors. Thickness 40 mm, density 50 Kg/m³.
- Side Insulation: Rockwool special for solar thermal collectors. Thickness 20 mm, density 70 Kg/m³.
- Glazing: Low iron tempered glass, 91.5 % transparency.
- Thickness 3.2 mm.
- Encasing: Aluminum frame, powder coated in color RAL9006, RAL 9007, & metallic blue.
- Backplate: Aluzinc, thickness 0.4 mm.
- Ventilation: 2 ventilation points in diagonal position.



Model	HMAX_1.50	HMAX_2.00	HMAX_2.37	HMAX_2.72
Gross Area [m ²]	1.50	2.00	2.37	2.72
Absorber & Aperture Area [m ²]	1.38	1.87	2.23	2.57
Total Dimension [mm]	1480*1010*86	1980*1010*86	1930*1230*86	2160*1260*86
Max. Operating Pressure [bar]	10			
Thermal Liquid Capacity [LT]	1.21	1.40	1.70	1.85
Efficiency Values Based on EN 12975 Standard (based on absorber area)				
Efficiency η	0.83			
Thermal Loss a1 (w/m ² K)	3.93			
Thermal Loss a2 (w/m ² K)	0.015			
Stagnation Temperature [°C]	213			

STORAGE TANKS

FOR DHW (SINGLE COIL)



Storage Tanks

Vertical storage tanks with single coil for DHW, glazed interior, 5 years warranty.

*Large vertical storage tanks capacities are available up to 9000 liters.



Capacity (LT)	150	200	300	400	500	750	1000	1500
Height (mm)	1070	1340	1420	1720	1720	2000	2050	2310
Min. Vertical clearance (mm)	1210	1460	1580	1890	1890	2030	2070	2370
Diameter (mm)	Ø560	Ø560	Ø660	Ø750	Ø750	Ø950	Ø1050	Ø1050
Insulation	50 mm rigid PU					100 mm soft PU, removable		
Tank operating pressure / Max. temperature	10 bar/ 95 °C							
Test pressure of tank	15 bar							
Heat Exchanger surface (m²)	0.74	0.9	1.2	1.5	1.8	2.1	2.7	3
Coil capacity (LT)	4.56	5.55	7.40	9.25	11.10	12.95	16.65	18.50
Coil operating pressure	16 bar							
Max. coil temperature	110 °C							
Weight (Kg)	59	73	104	145	167	242	286	329



ADVANTAGES OF HEIZER SOLAR FORCED CIRCULATION SYSTEMS

Ample Range

- Storage tank systems from 500 to 5000 liters.
- Maximum security: electronic protection and “drainback” system.

Durability and Design

- Stylized storage tanks that better efficiency.
- The possibility of extruded galvanized steel structures.
- Versatile and easy-to-use control systems.
- Predesigned to facilitate your selection and to optimize production.

Installation and Maintenance

- Pre-mounted systems, easy to mount.
- All mounting accessories included.
- Magnesium Anode (in basic)
- Electric Heater (in basic)