

Solarico®

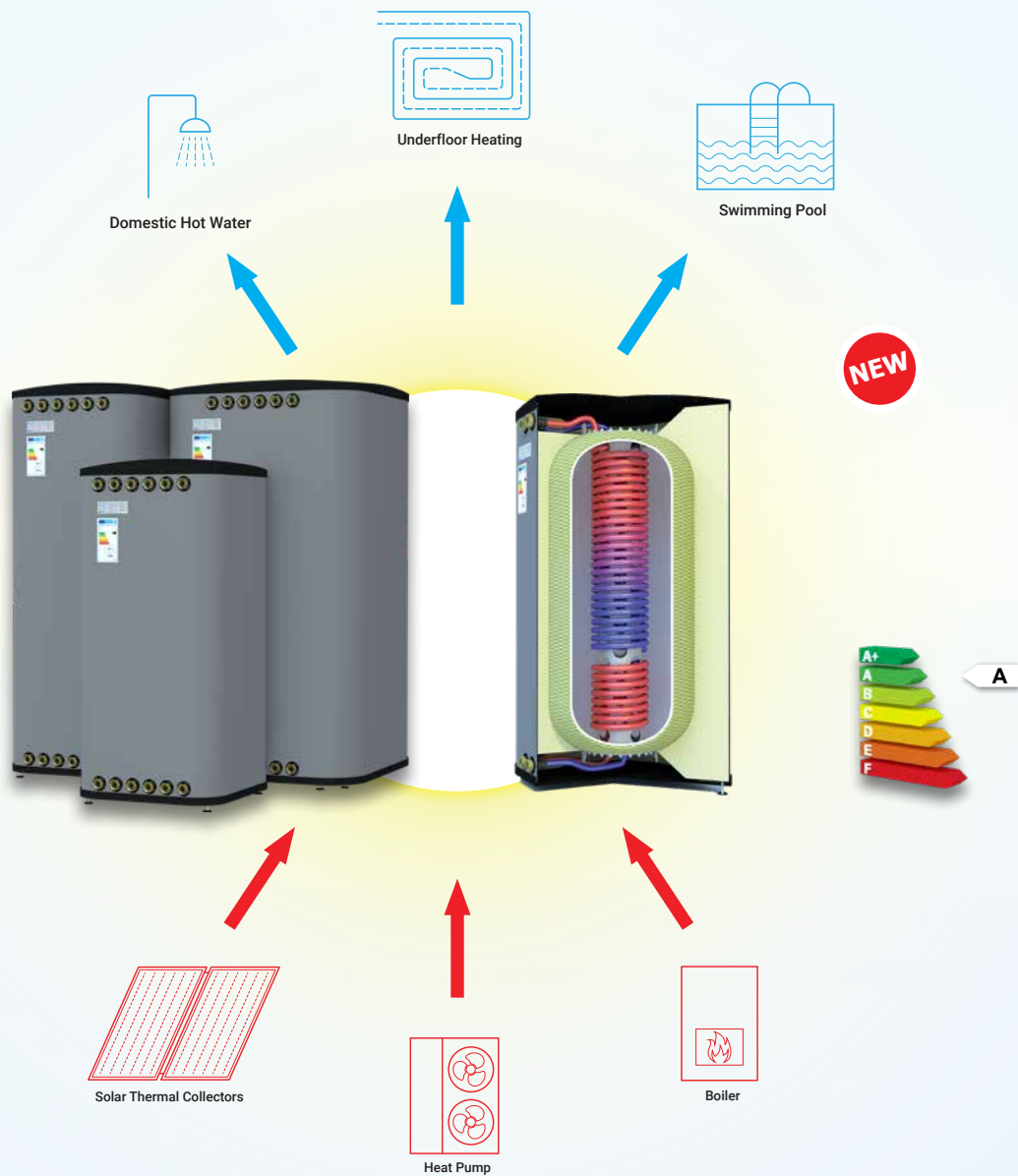
INNOVATIVE
PLASTIC COMPOSITE
NEW GENERATION

HYGIENIC WATER HEATER
DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR

GENERAL BENEFITS

- HEAT PUMP READY
- SUPPORT HEATING WITH SOLAR
- HEART OF THE SYSTEM

ALL IN ONE



UniQube 6C

Energy savings all-in hot water storage tank





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ADVANTAGES

- Easy integration of any type of heat source
- Easy integration of any type of heat consumers
- Total hydraulic separation of 6 circuits
- Available for 310, 440 and 800 liter accumulation tanks
- Simplified pipeworks
- Minimized heat losses

BENEFITS

- Smooth thermostat control over all heat consumers
- Solution for systems with multiple heat sources
- Extended lifetime of the system components
- Cheaper installation
- Lower energy bill
- Space saving installation
- Electric heater backup (optional)



WHAT IS THE 6C VERSION OF UNIQUBE?

It is any UniQube model produced with the possibility to connect 6 heating circuits. Now it is possible to integrate 3 heat sources + 3 heat consuming circuits in direct connection with the heat accumulator.

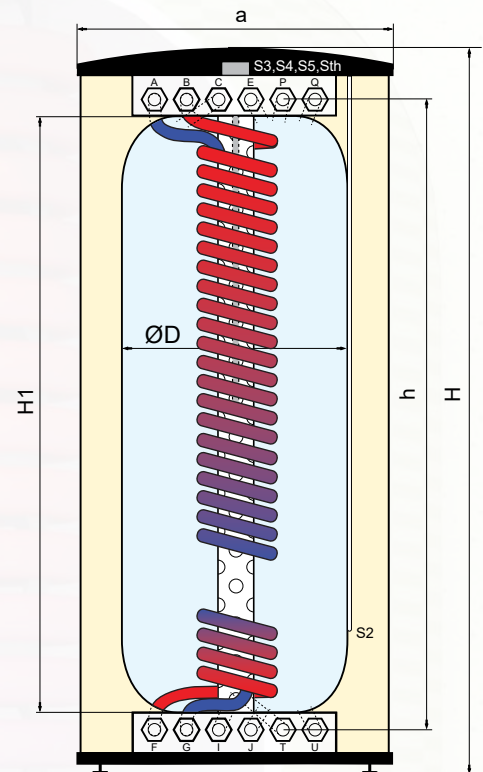
MORE THAN CONVENTIONAL HEAT PUMP SYSTEMS

UniQube 6C integration improves system performance by at least 25%. It may integrate and buffer high-temperature heat sources added to the heat pump systems. Solar thermal supports the heat pump work. It supplies multiple heat consumers like domestic hot water, swimming pools, radiator, or underfloor heating.

NOW IT IS EASY TO DESIGN AN ENERGY-SAVING SYSTEM

The system designers that will include UniQube 6C models in their projects, will offer a high-efficiency heating system for the end user.

UniQube 6C SQ-BPSW		310	440	800
D (diameter)	(mm)	620	620	890
H1 (height)	(mm)	1300	1730	1730
h (connectors)	(mm)	1320	1750	1750
H (height)	(mm)	1570	2000	2000
a (width)	(mm)	725	725	960
Pivot measurement	(mm)	1730	2130	2219
Net tank capacity	(l)	290	413	773
Approx. weight	(kg)	104	130	160
Connections C,E,P,Q,I,J,T,U		5/4"		
Max. working temp.	(°C)	90	90	90
Max. working pressure	(bar)	6	6	6
Max. test pressure	(bar)	9	9	9
S2 Solar sensor position	(mm)	1110	1550	1550
S3 DHW sensor position	(mm)	600	900	900
S4 Heating sensor position	(mm)	140	140	140
S5 Overheating protection	(mm)	140	140	140
Nominal flow rate (all exchangers)	(l/min)	20		
Max. flow rate (all exchangers)	(l/min)	30		
Max. working pressure (all exchangers)	(bar)	10		
Max. test pressure (all exchangers)	(bar)	15		
Solar heat exchanger				
Connections F, G		5/4"		
Capacity	(l)	2,85	4,12	4,12
Output area	(m ²)	1,05	1,43	1,43
DHW heat exchanger				
Connections A, B		5/4"		
Capacity	(l)	16,15	21,86	21,86
Output area	(m ²)	5,06	6,78	6,78

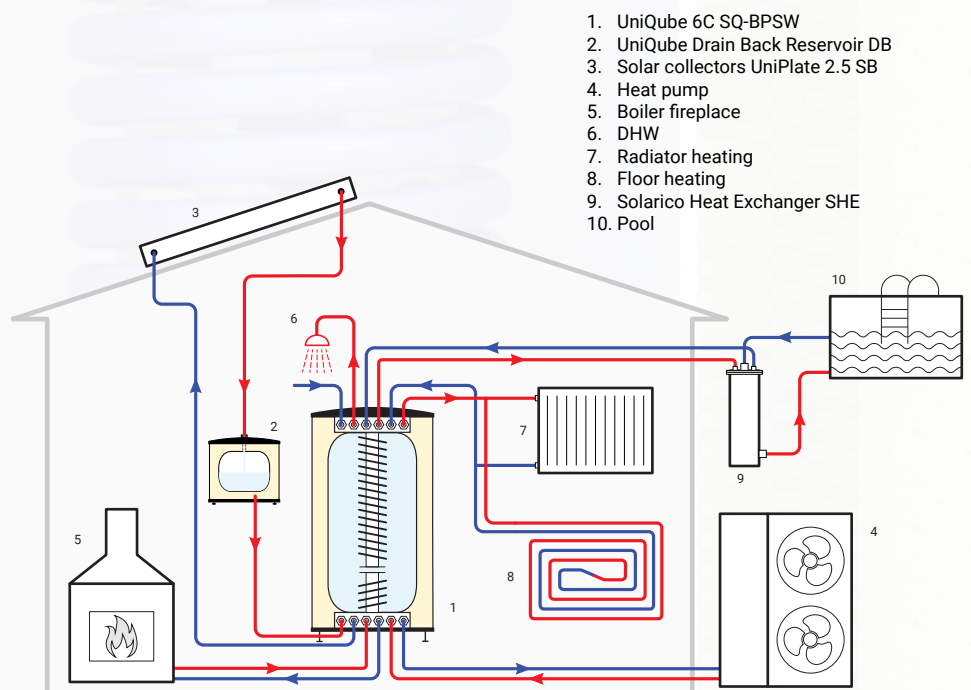


- A - Cold water in
 - B - Hot water out
 - C - Heating in
 - E - Heating out
 - P - Heating in
 - Q - Heating out
 - F - Solar in
 - G - Solar out
 - T - Heat Pump In
 - U - Heat Pump out
 - I - Boiler in
 - J - Boiler out
- S2 - Solar sensor
S3 - DHW sensor
S4 - Heating sensor
S5 - Overheating protection

FOLLOWING THE KNOWLEDGE

The UniQube 6C models are Solarico's latest project, utilizing the potential of direct connection of multiple heat circuits to the tank.

- 3 heat sources + 3 heat consumers in direct connection to the A-class energy efficient heat storage
- Heating System designs, where UniPlate solar collectors are added, result in notable energy savings because of 100% free solar thermal energy
- 4 times more efficient collectors per m², compared to photovoltaic panels, in a sense of sun energy utilization
- Usage of thermal collectors as a real support for the heating system by up to a fantastic 50%, and even more
- "Drain Back Solar" option, solar system is 100% stable



1. UniQube 6C SQ-BPSW
2. UniQube Drain Back Reservoir DB
3. Solar collectors UniPlate 2.5 SB
4. Heat pump
5. Boiler fireplace
6. DHW
7. Radiator heating
8. Floor heating
9. Solarico Heat Exchanger SHE
10. Pool

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DRAINBACK SOLAR STORAGE TANK
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- Solar Thermal Collectors
- Multi-Functional Storage Tanks and Hygienic Water Heaters
- Drain Back Reservoirs
- Expansions Vessels
- Pressure Vessels
- Heat Exchangers



PRODUCTION FACILITY:

📍 Euroterm d.o.o.
Lece Koteski 50
Industrial area Biljana
7500 Prilep
R. North Macedonia

✉ info@solarico.eu
🌐 www.solarico.eu
☎ +389 75 463 929
☎ +389 48 419 415
☎ +389 48 422 981

