

Solarico®

INNOVATIVE
PLASTIC COMPOSITE
NEW GENERATION

HYGIENIC WATER HEATER
DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR

GENERAL BENEFITS

- OVERHEATING AND FREEZE PROTECTION
- SYSTEM STABILITY, LOW-MAINTENANCE



UniQube Drain Back Reservoir

Solar Draining Tank

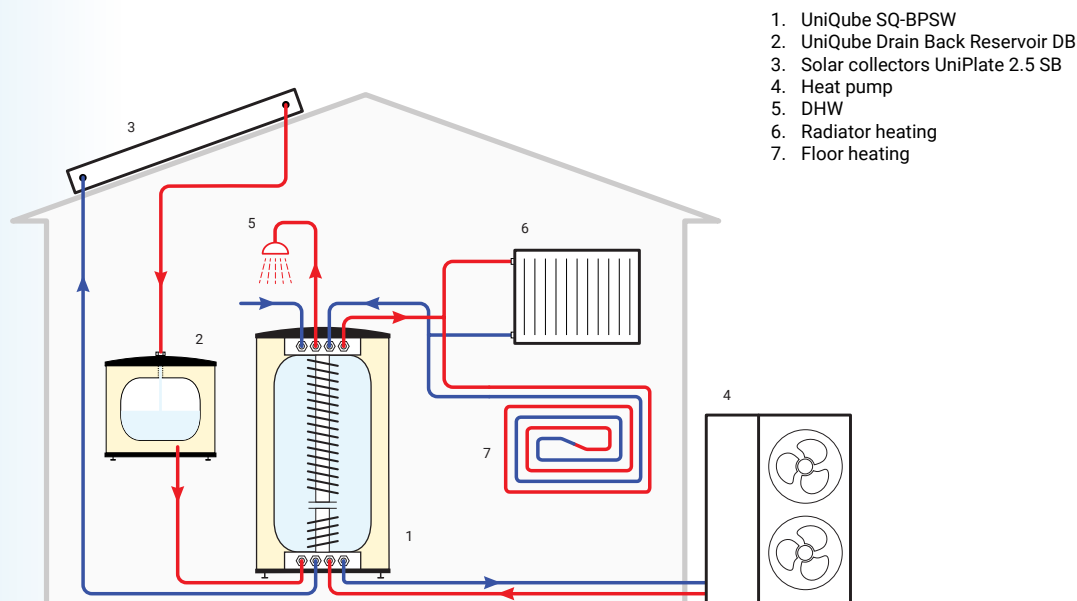




UniQube Drain Back Reservoir

Solar Draining Tank

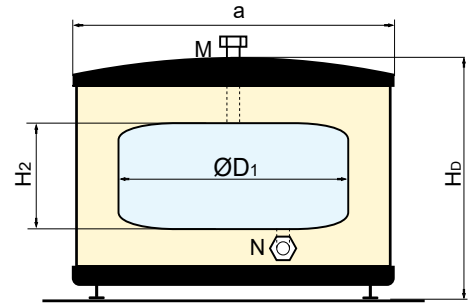
- **UTILIZES MUCH MORE SOLAR ENERGY**
because drain back solar systems can be sized with much more collectors - they absorb more solar energy providing more savings
- **SOLAR SUPPORT FOR THE HEATING SYSTEM**
because drain back solar systems can be sized with much more collectors - this energy can be used by the heating system
- **OVERHEATING AND FREEZE PROTECTION**
are active because of principal of work - when pump stops circulating, heating fluid from collectors is draining down into the drainage reservoir, so the only care is to do a proper piping installation
- **EASY TO INSTALL & CHEAPER INSTALLATION**
Drain back systems do not require expansion vessels, check valve, air valve or additional overheating protection. This system can even work with water as heating fluid instead of antifreeze
- **SYSTEM STABILITY, LOW-MAINTENANCE**
Since the fluid is drained back into the storage tank when not in use, there is no risk of stagnation or corrosion in the pipes. This significantly reduces the need for maintenance and ensures a longer lifespan for the system



1. UniQube SQ-BPSW
2. UniQube Drain Back Reservoir DB
3. Solar collectors UniPlate 2.5 SB
4. Heat pump
5. DHW
6. Radiator heating
7. Floor heating

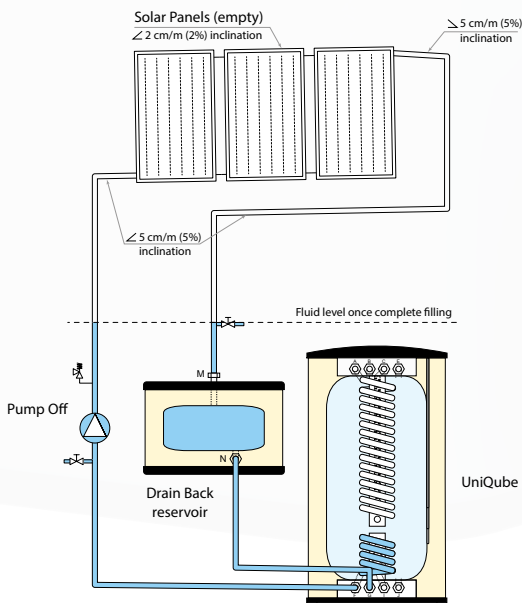
Integration with UniQube in home energy system

UniQube DB Reservoir		50	100	150
D ₁ (diameter)	(mm)	600	600	600
H ₀ (height)	(mm)	450	780	780
H ₂ (height)	(mm)	140	350	490
a (width)	(mm)	725	725	725
Tank capacity	(l)	50	100	150
Approx. weight	(kg)	30	43	46
Connections M,N		5/4"		
Max. working pressure	(bar)	1,5	1,5	1,5
Max. test pressure	(bar)	2,5	2,5	2,5
Material		Stainless steel 304		

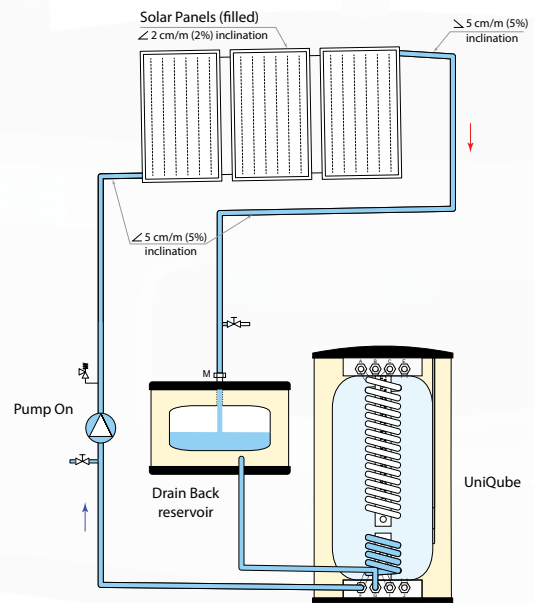


M - Solar in
N - Drain Back out

Idle



In Operation



Operation modes of the DB reservoir with levels of fluid in it

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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

