

Solarico®

INNOVATIVE
PLASTIC COMPOSITE
NEW GENERATION

HYGIENIC WATER HEATER
DRAINBACK SOLAR STORAGE TANK
STRATIFIED SEPARATOR ACCUMULATOR

GENERAL BENEFITS

- HEATING SYSTEMS
- POTABLE WATER SYSTEMS



Composite Expansion Vessels

Corrosion free, lightweight, with heavy-duty membrane

CE PED





Composite Expansion Vessels

- **HEAVY-DUTY MEMBRANE**
Does not support the build-up of nutrients key to forming biofilms
- **AIR SPACE**
Up to 60% less heat losses compared to membrane types, due to minimized contact surface between warm water and vessel
- **PLASTIC COMPOSITE RESERVOIR**
Does not rust and is inactive in contact with a long list of chemicals
- **CONTAMINATION PREVENTION**
No stagnant warm water
- **WARRANTY TERM**
Reservoir 30 years
Membrane 5 years

- Non-corrosive glass fiber
- Non-corrosive plastic liner
- Energy efficient air space
- Flow-through membrane



CE PED

ISO 9001
LL-C (Certification)

30 YEARS
QUALITY GUARANTEE

5 YEARS
QUALITY GUARANTEE

WHY PLASTIC-COMPOSITE EXPANSION VESSELS ARE A GOOD CHOICE?

Solarico plastic composite expansion vessels are suitable for booster systems, HVAC systems, cooling tower systems, spa systems, and evaporative condenser systems.

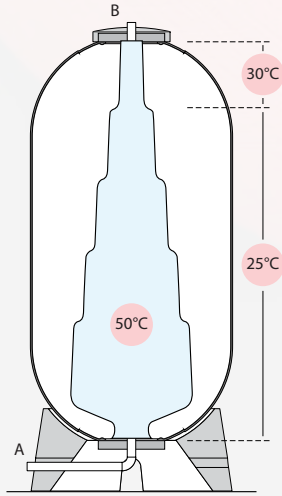
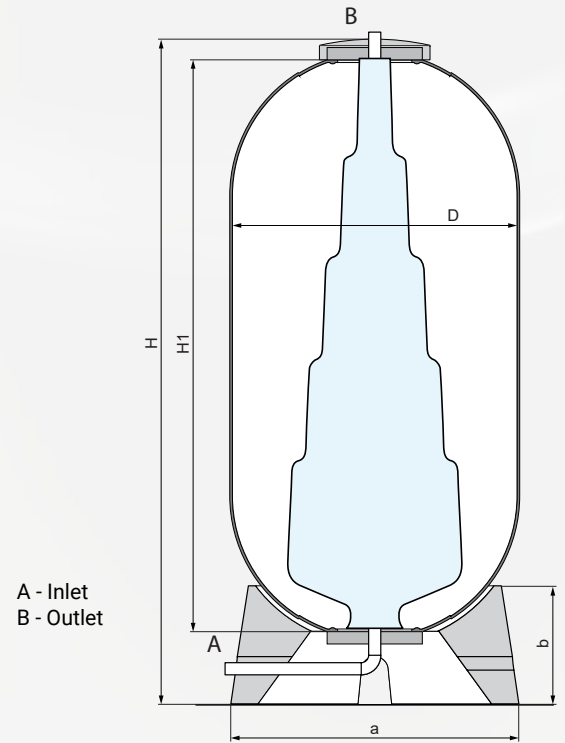
These expansion vessels will not corrode from the inside and outside too. There are no pieces of rust that may damage the inner membrane. The outside moisture and chemically active environment may not damage it too. That's why these are long lifetime vessels compared to conventional steel vessels.

EXTENDED LIFETIME OF RESERVOIR AND MEMBRANE

Using this technology in the production of expansion vessels results in a long-lasting product that saves a lot of energy, and increases reliability, boosting cost-effectiveness.

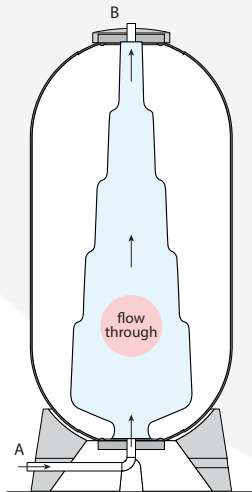
- Lightweight vessels, easy to manipulate and transport
- Low heat losses
- Corrosion free

Composite Expansion Vessels For heating and potable water systems		310	440	800
D (diameter)	(mm)	620	620	880
H1 (height)	(mm)	1300	1730	1730
H (height)	(mm)	1500	1950	1950
a (width)	(mm)	700	700	850
b (height)	(mm)	300	300	350
Net tank capacity	(l)	310	440	800
Approx. weight	(kg)	60	75	94
Max. working temp.	(°C)	90	90	90
Max. working pressure	(bar)	6	6	6
Max. test pressure	(bar)	9	9	9
Connections A,B		up to 6/4"		



FOR HEATING SYSTEMS

- Up to 60%, fewer heat losses compared to diaphragm types, due to the minimized contact surface between warm water and vessel
- Low heat losses due to minimum captured quantity of warm water
- Low heat losses due to thermal inertia of a plastic-composite reservoir
- No stagnant warm water - contamination prevention
- Maintenance-free
- Limitless installation application; It can be installed in a moist environment, near the seaside, in basements, industrial space
- The heavy-duty butyl membrane does not support the build-up of nutrients key to forming biofilms
- Extended membrane lifetime. Lower elongation of our membrane provides less stress during operation
- Approved in accordance with pressure equipment guidelines 2014/68/EU



FOR POTABLE WATER SYSTEMS

- For potable water, pressure booster systems with or without flow-through
- Reduces start/stops of the driving pump, saving energy, maintenance costs and improving lifetime of the pump
- Ensures constant water flow, even in case of pressure fluctuations
- Water just flows through this vessel, without stagnation, and keeps its primary quality
- Absorbs water hammers
- Ensuring smooth operation, protecting other system components
- Approved in accordance with pressure equipment guidelines 2014/68/EU

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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

