



ENERGY SYSTEMS

Solarico®

Innovative
Composite
New Generation

Composite Water Treatment and Pressure Tanks

The Enduring Ones!



NEW

CE PED

ISO 9001
LL-C (Certification)

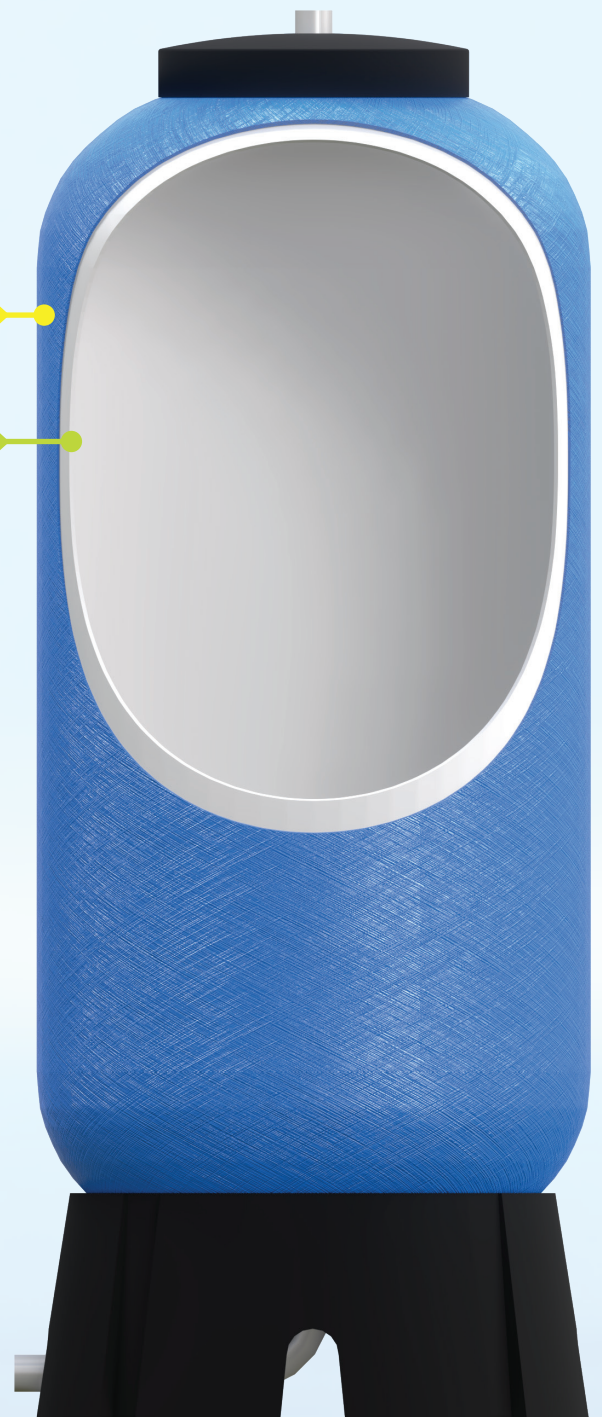
QUALITY
30 YEARS
GUARANTEE

Composite Pressure Tanks

NEW

Non-corrosive glass fiber

Non-corrosive plastic liner



Plastic-composite technology

The **inner plastic reservoir** is made of cross-linkable HDPE or LHDPE:

- It does not rust and is inactive in contact with a long list of chemicals
- Operates at temperatures up to 90°C
- Warranty - 30 years!

Composite filament winding is applied on the inner reservoir:

- It does not rust and is inactive in contact with a long list of chemicals
- Operates at temperatures up to 90°C.
- Operates at pressure up to 9 bars.
- Ability to short-run production - we do not ask for a minimum order quantity.

Client-specific pressure vessels

As a manufacturer, we are able to design and manufacture pressure tanks for a wide range of pressure resistance, various types of the inner plastic liner, as well as with the most varied types and sizes of connections.

The tanks are customized to meet the most varied customer requirements and applications.

AVAILABLE TYPES

Volumes: 310, 440 and 800 liters

Color: red, blue and gray

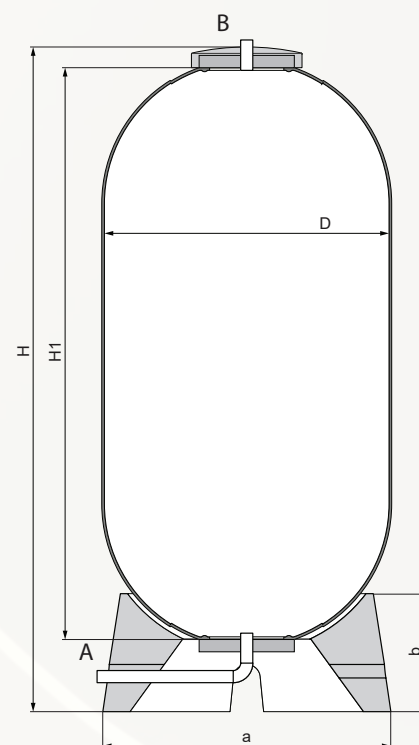
Working pressure: 40 bar (on demand)

End-user benefits

- Lower power consumption because of keeping energy reserves and lowering short-cycling of the power generator.
- Extended reliability of the system, increased lifetime of equipment because of amortization of volume and pressure peaks.
- Lower maintenance cost because of the lifespan of the reservoir and increased lifetime of other equipment.
- Stable system operation. Pressure tanks handle energy backup and energy reserve
- Safe process operation



COMPOSITE PRESSURE TANKS				
		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
max. working temp.	(°C)	90	90	90
max. working pressure	(bar)	6	6	6
max. test pressure	(bar)	9	9	9
Net tank capacity	(liters)	310	440	800
Approx. weight	(kg)	60	75	94
Connections		6/4"	6/4"	6/4"
Water treatment reservoir				
Working temp.	(°C)	1÷50		
Working pressure	(bar)	10,5		
max. test pressure	(bar)	16		



A - Inlet
B - Outlet

* up to 5 connections each

Wide range of applications

- Water treatment reservoir
- Compressed air tank
- Pressurized accumulators
- Booster accumulators for fresh water systems where there is not sufficient flow rate at the open taps. Pressurized accumulator is compensating it by carrying water volume under the suitable pressure

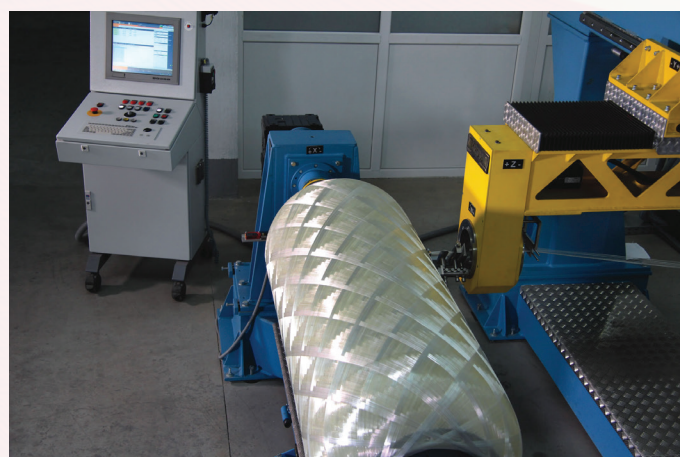
Water treatment tanks

We supply our clients with custom-designed reservoirs for water treatment with LHDPE liner inside. Our reservoirs are high quality, with long warranty term guaranteed by the manufacturer. We produce them in different colors and with or without insulation which prevents the condensation.

Compressed air tanks

Plastic composite tanks developed for accumulating compressed air, have huge advantages compared to conventional steel tanks. It is a lightweight reservoir easy to manipulate and install. It may be installed in the harshest environment because it will not rust in contact with water or many other condensates.

These tanks are designed the way to be safer than steel tanks. In case of bursting the glass fibers will be torn without flying metal pieces.



Functional benefits

- Perfect reservoir for water treatment that will not rust, keeps the water clean by constant performance throughout the entire service life
- Stores energy and redistributes when required therefore reducing installed power.
- Compensates pressure peaks resulting from thermal expansion or flow rate changes in hydraulic systems.
- Compensates volume changes in closed hydraulic systems, that are consequences of thermal expansion of the fluid.
- Stores energy for emergency cases. Accumulation can provide sufficient energy to complete an operation or to realize a full hydraulic cycle, in case of failure of the main energy source.

UniQube Heart of your energy systems



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