

MEMBRANE SOLAR EXPANSION VESSEL

Technical datasheet Nr 28

LACAZE ENERGIES solar expansion vessels are specially designed to ensure the proper functioning of solar systems.

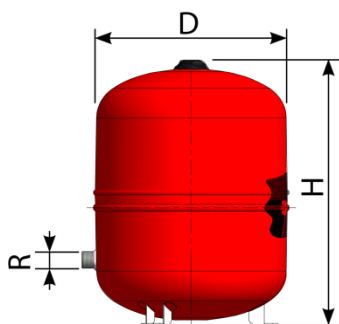
The vessel is completely welded, thus particularly reliable and resistant up to a max pressure of 10 bar.

The membrane has a low gas permeability. It is especially suitable for LACAZE ENERGIES mono-propylene transfer fluids and resists to high temperatures up to 100°C. In case of high temperatures in the membrane of the expansion vessel, the vessel must be protected by an additional coolant vessel.

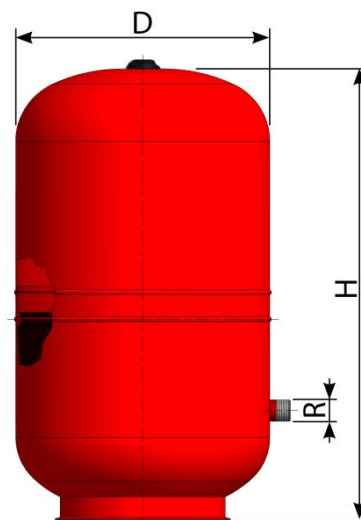


• TECHNICAL SPECIFICATIONS:

- Maximum operating pressure: 10 bar
- Factory precharge: 2,5 bar
- System operating temperature: -10°C / +110°C (+130°C as a short peak temperature)
- Membrane operating temperature: -10°C / +100°C
- Membrane: synthetic rubber, specifically designed for solar applications
- Colour: Red



Expansion vessel of 50 L on legs



Expansion vessel from 80 to 600 L on pedestal

Designation	Reference	Height H (mm)	Diameter D (mm)	Connection R
Solar expansion vessel 50L	70010146415	525	380	3/4"
Solar expansion vessel 80L	70010146441	628	450	1"
Solar expansion vessel 105L	70010146442	685	500	1"
Solar expansion vessel 150L	70010146443	917	500	1"
Solar expansion vessel 200L	70010146444	832	600	1"
Solar expansion vessel 250L	70010146445	977	630	1"
Solar expansion vessel 300L	70010146446	1125	630	1"
Solar expansion vessel 400L	70010146687	1470	630	1"
Solar expansion vessel 500L	70010146447	1360	750	1"
Solar expansion vessel 600L	70010146448	1575	750	1"

Note: Complies with Pressure Equipment Directive PED 97/23/CE and EN 13831 standards