

Expansion vessels specially designed for solar powered installations (acc. to EN12828).

Advantages

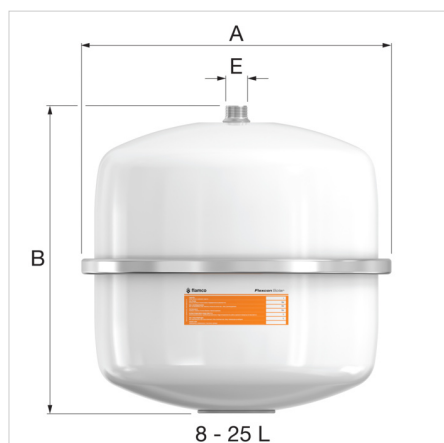
- The best expansion vessels thanks to our groundbreaking technology.
- Diaphragm: butyl rubber.
- Extremely low permeability of the diaphragm ensures that pre-charge pressure is maintained for a long time.
- The flexible diaphragms with rolling action are preformed and, in contrast to a bag type bladder, prevent stretching so that their properties are preserved over the long term.
- The unique clench ring construction clamps the diaphragm between the two vessel halves. This not only ensures a perfect seal but also prevents mechanical damage of the diaphragm during use (load distribution over the entire clamping area and not at 1 suspension point).
- The gas side is filled with nitrogen, and not with air, so that corrosion is prevented and the pressure loss is even more limited.
- The ribbed profile on the diaphragm prevents it from sticking to the inside wall of the vessel and ensures inflow of expansion water at the slightest increase in pressure.
- Uncoated water connection thread ensures easy and water tight installation.
- Top quality steel and diaphragms.
- Finished with a gleaming epoxy-powder coating.
- Each vessel is factory tested.
- Expansion vessels 8 - 80 litres:
 - The two halves of the vessel are coated prior to assembly, not afterwards. Therefore there is no risk of corrosion on the clamp ring.
 - The nitrogen air valve is countersunk on the vessel to protect it from damage, it is in turn further protected by a plastic cover plate.



Technical Specifications

- Maximum working pressure: 8.0 bar.
- Vessels in accordance with EN13831.
- Suitable for systems with a maximum system temperature of 120 °C.
- Min./ max. temperature diaphragm: -10 / 110 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Deep drawn steel vessel halves with zinc plated steel clench ring.
- In accordance with Pressure Equipment Directive 2014/68/EU.
- White (RAL 9010) epoxy powder coating.
- Flexcon Solar 35 - 80: With feet and including mounting kit.

Description	Flexcon Solar exp.ves. 12/2,5 [8bar]		
Order Code	16061		
GTIN	08712874160613		
Model	<u>Flexcon Solar 8 - 80</u>		
Capacity [l]	12		
Pre- charge [bar]	2.5		
Dimensions	A [mm]	286	
	B [mm]	309	
	Ø C [mm]	-	
	D [mm]	-	
Syst. conn. (E)	R $\frac{3}{4}$ "		
Weight [kg]	4.5		





Classification General Data

Etim Group	Pressure increase/decrease
Etim Class	Membrane pressure expansion vessel
Product Name	Flexcon Solar exp.ves. 12/2,5 [8bar]
Brand	FLAMCO
Product Type	Solar Clench ring vessel [8bar]
Artikelnummer	16061
GTIN	08712874160613

Attributes

Suitable for central heating	Yes
Suitable for cooling	Yes
Suitable for tap water	No
Suitable for solar collector circuit	Yes
Volume	12 Litre
Pre-pressure	2.5 Bar
Max. operating pressure	8 Bar
Medium temperature (continuous)	-10 - 110 °C
With fixed wall support	No
Vertical positioning	Yes
Horizontal positioning	No
With legs	No
With exchangeable membrane	No
Nominal diameter expansion connection	3/4 inch (20)
Outer pipe diameter, expansion connection	26.5 Millimetre
Connection	External thread conical BSPT-R (ISO 7-1 / EN 10226-1)
Material membrane/bladder	IIR (butyl)
With vessel manifold	No
Colour	White
With drain	No
Diameter	256 Millimetre
Height	309 Millimetre
With pressure gauge	No
With safety valve	No
With mounting material	No
Max. glycol mixture	50 Percentage

Find more information online:

[Installation and operating instruction](#)
[Declaration of conformity PED 2014/68/EU](#)
[PED Module D](#)
[PED Module D1](#)
[Declaration of conformity UKCA](#)
[Flexcon Solar ADSK](#)
[Flexcon Solar DWG](#)
[Flexcon Solar IPT](#)
[Flexcon Solar STEP](#)
[Flexcon Solar 35 - 80 RFA](#)
[Export catalogue](#)
[White paper Expansion vessel in a solar installation](#)
[Packaging data](#)

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