

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

### Advantages

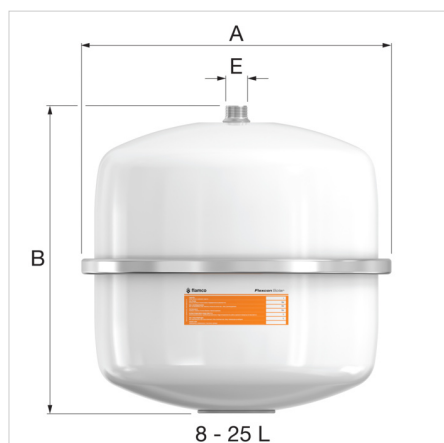
- The best expansion vessels thanks to our groundbreaking technology.
- Diaphragm: butyl rubber.
- Extremely low permeability of the diaphragm ensures that pre-charge pressure is maintained for a long time.
- The flexible diaphragms with rolling action are preformed and, in contrast to a bag type bladder, 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. 18/2,5 [8bar]		
Order Code	16062		
GTIN	08712874160620		
Model	<u>Flexcon Solar 8 - 80</u>		
Capacity [l]	18		
Pre- charge [bar]	2.5		
Dimensions	A [mm]	328	
	B [mm]	323	
	Ø C [mm]	-	
	D [mm]	-	
Syst. conn. (E)	R $\frac{3}{4}$ "		
Weight [kg]	5.7		





**Classification General Data**

<b>Etim Group</b>	Pressure increase/decrease
<b>Etim Class</b>	Membrane pressure expansion vessel
<b>Product Name</b>	Flexcon Solar exp.ves. 18/2,5 [8bar]
<b>Brand</b>	FLAMCO
<b>Product Type</b>	Solar Clench ring vessel [8bar]
<b>Artikelnummer</b>	16062
<b>GTIN</b>	08712874160620

**Attributes**

<b>Suitable for central heating</b>	Yes
<b>Suitable for cooling</b>	Yes
<b>Suitable for tap water</b>	No
<b>Suitable for solar collector circuit</b>	Yes
<b>Volume</b>	18 Litre
<b>Pre-pressure</b>	2.5 Bar
<b>Max. operating pressure</b>	8 Bar
<b>Medium temperature (continuous)</b>	-10 - 110 °C
<b>With fixed wall support</b>	No
<b>Vertical positioning</b>	Yes
<b>Horizontal positioning</b>	No
<b>With legs</b>	No
<b>With exchangeable membrane</b>	No
<b>Nominal diameter expansion connection</b>	3/4 inch (20)
<b>Outer pipe diameter, expansion connection</b>	26.5 Millimetre
<b>Connection</b>	External thread conical BSPT-R (ISO 7-1 / EN 10226-1)
<b>Material membrane/bladder</b>	IIR (butyl)
<b>With vessel manifold</b>	No
<b>Colour</b>	White
<b>With drain</b>	No
<b>Diameter</b>	297 Millimetre
<b>Height</b>	323 Millimetre
<b>With pressure gauge</b>	No
<b>With safety valve</b>	No
<b>With mounting material</b>	No
<b>Max. glycol mixture</b>	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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