# TTM Offset 60

## Equalisation vessel

**Offset**

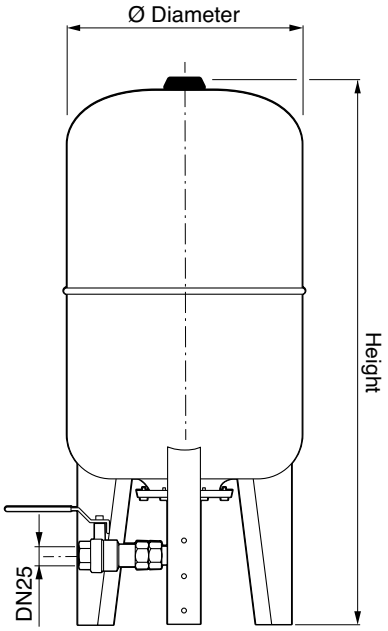
***Equalisation vessel***

**TTM Energiprodukter AB**
Slöjdaregatan 1, SE-393 66 Kalmar, Sweden | Tel. +46 480 41 77 40
info@ttmenergi.se | www.ttmenergi.se

2025-10

## Technical data

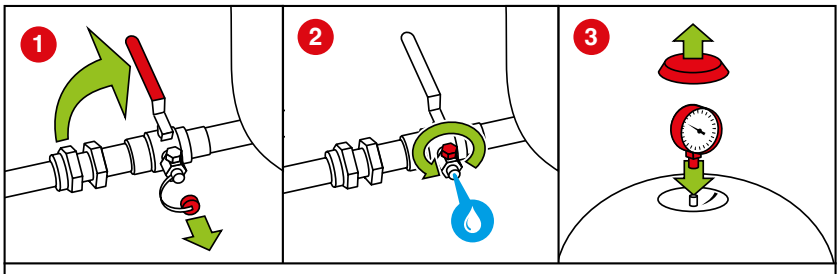
| | |
|---|---|
| Article number: | 520405 |
| Volume: | 60 litres |
| Diameter x height: | Ø 380 x 860 mm |
| Pre-pressure: | 2,5 bar |
| Max working pressure: | PN10 |
| Media temperatur: | 0 – +90 °C |
| Connection (internal): | DN25 |
| Weight: | 12 kg |
| Permitted liquids: | Water<br>Glycol max 30% |
| Material:<br><br>Tank:<br>Inner flange:<br>Outer flange:<br>Bladder: | <br><br>Steel sheet<br>Stainless steel<br>Electro-galvanized steel<br>Butyl |




## Installation - adjustment of pre-pressure

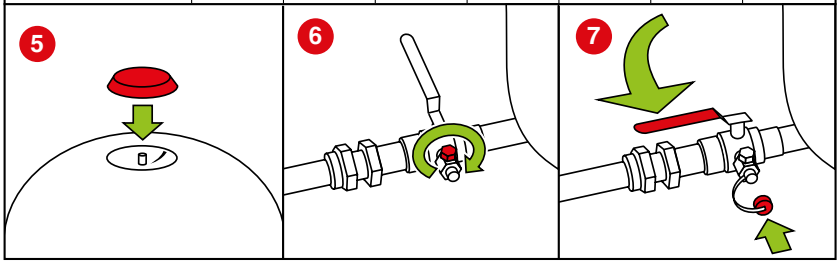
TTM Offset is an equalisation vessel intended for use together with TTM NoXygen® in heating, cooling and recovery systems that are sensitive to pressure variations, such as systems with pump expansion.

1. Close the shut off valve to the system and remove the protective cover from the drain valve.
2. Open the drain valve and allow the water to drain out.
3. Remove the protective cover and the valve cap to the air nipple and insert a pressure indicator.
4. Adjust the rubber bladder's pre-pressure to correspond to 70 – 80% of the system pressure by releasing or topping up the air via the air nipple.
5. Reinstall the valve cap and protective cover.
6. Close the drain valve.
7. Reinstall the protective cover on the drain valve and open the shut off valve to the system.




**4 Pre-pressure is set with a depressurized vessel**

| System pressure (bar) | 1 | 1.5 | 2 | 2.5 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|
| Pre-pressure (bar) | 0.8 | 1.2 | 1.6 | 2 | 2.4 | 3.2 | 4 |

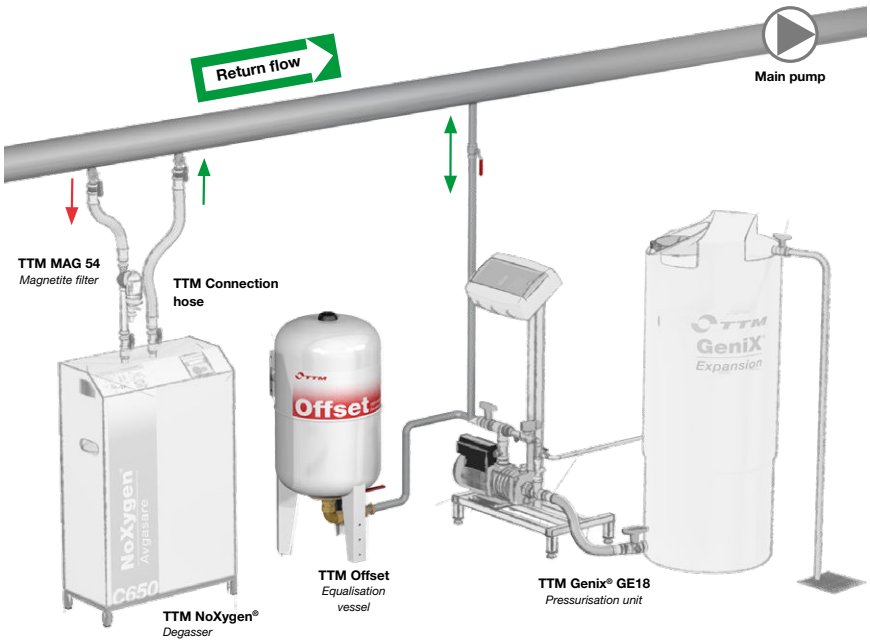


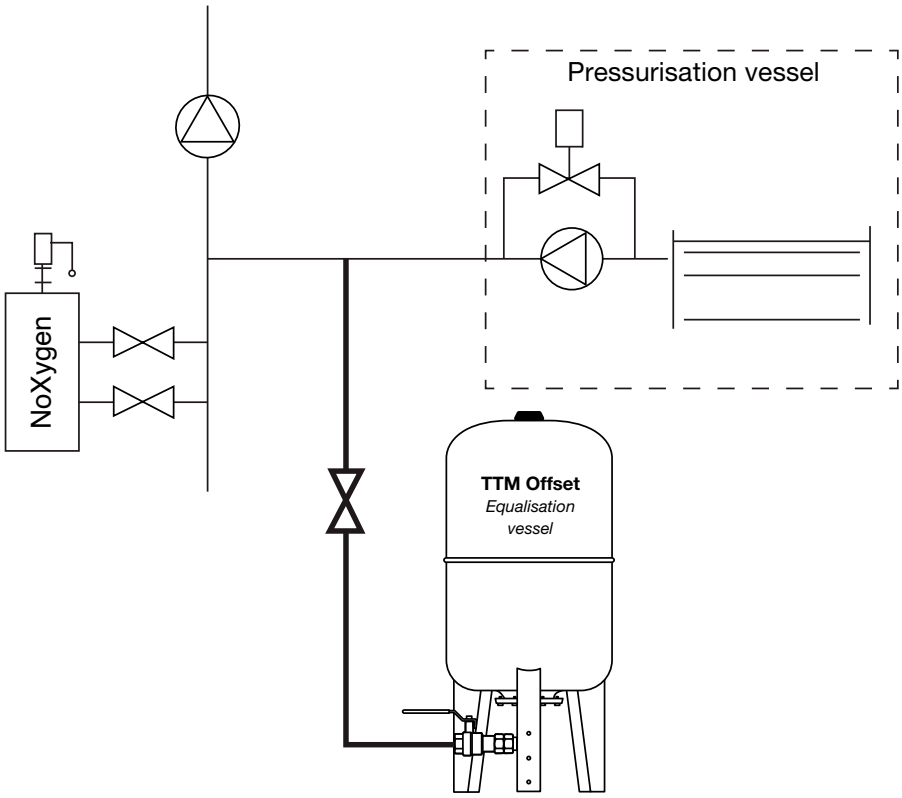

Registered trademark of TTM Energiprodukter AB, Kalmar. We reserve the right to make design changes and to correct any printing or factual errors.

2025-10

## Principle installation

When installing in combination with vacuum degasser TTM NoXygen®, TTM Offset is connected to the system (DN25 int. thread) and then installed directly on the return flow close to the pressurisation container.




Registered trademark of TTM Energiprodukter AB, Kalmar. We reserve the right to make design changes and to correct any printing or factual errors.