Reduces noise

Reduces pressure variations

Protects and enhances the lifetime of the HVAC-system

TTM Offset 200

User manual

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Equalisation vessel 200 litre

TTM Offset is an equalisation vessel intended for use together with TTM NoXygen® C6100 vacuum degasser in heating, cooling and recovery systems that are sensitive to pressure variations, such as systems with pump expansion.

TTM Offset prevents the system's pump expansion system from creating noise in the property. At the same time, TTM Offset increases the pump expansion system's lifespan, because pressure variations are minimised.

Inspection Obligation May Apply

This unit is classified as pressure equipment under EU Directive 2014/68/EU (PED). The product meets applicable safety and performance requirements and is CE-marked in accordance with the PED.

The user is responsible for correct installation, operation, and maintenance in accordance with the user manual.

Note that national regulations may vary between countries; inspection and verification obligations may apply and must be fulfilled according to local law.

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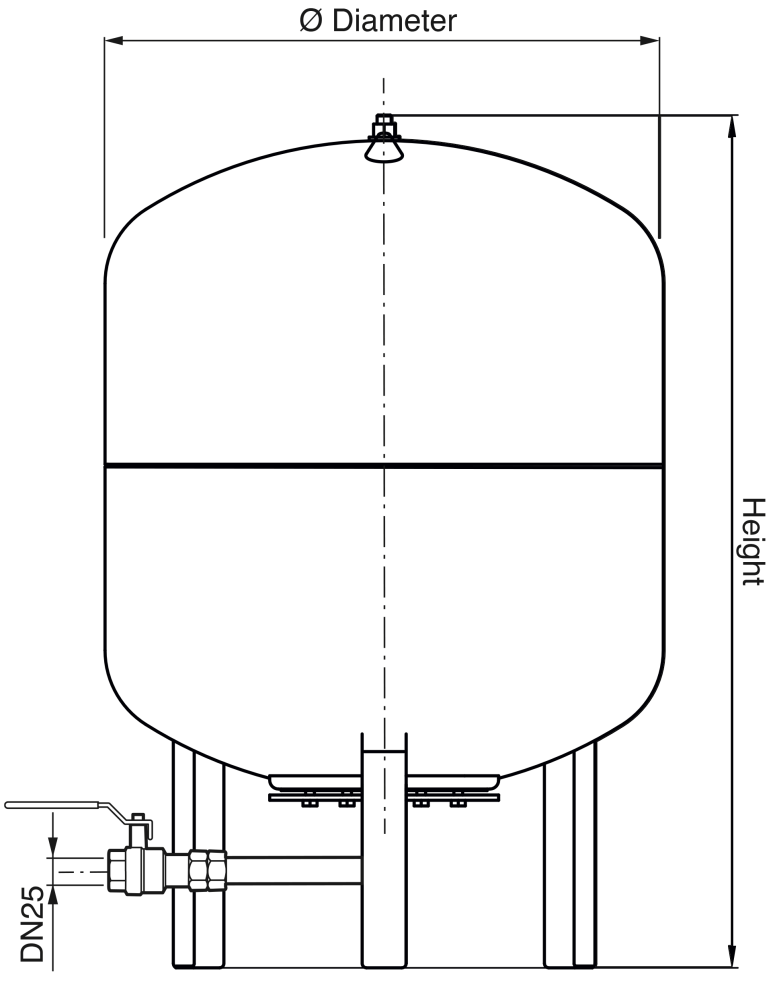
Technical data

TTM Offset 200

Modell	Equalisation vessel 200L PN16
Artikelnummer	520429
RSK	-
Pressure class (PN)	PN16
Volume (L)	200 L
Diameter Ø (mm)	634 mm
Height	967 mm
Pre-pressure	3,2 bar
Medium temperature (°C)	-10 – +70 °C
Connection dimension	DN25
Weight	59 kg
Permitted fluids	Water Ethanol less than 30% by volume Glycol max 30%
Material	Tank: Steel sheet, Bladder: Butyl, Legs: Steel

Drawing

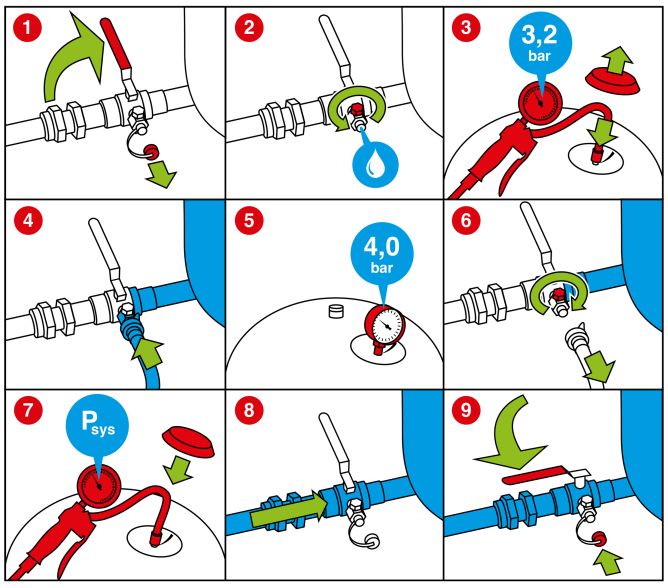
TTM Offset 200



When installing in combination with vacuum degasser TTM NoXygen® C6100, TTM Offset is connected to the system (DN25 int. thread) and then installed directly on the return flow close to the pressurisation vessel.

Installation - adjustment of pre-pressure and system pressure

1. Shut off the shut-off valve to the system and remove the protective cap from the drain valve.
2. Open the drain valve and let the water drain out. Loosen the protective cover and remove the valve cap from the air nipple.
3. Check and adjust the pre-charge to 3.2 bar.
4. Fill water through the drain valve using a hose.
5. Check the air pressure during filling. When the manometer shows 4.0 bar, the vessel has the correct amount of water.
6. Close the drain valve and disconnect the water hose.
7. Add air until the manometer shows the intended system pressure, Psys. Reinstall the valve cap and protective cover on the air nipple.
8. Check that the system is pressurized.
9. Reinstall the protective cap on the drain valve and open the shut-off valve.



Principle Installation