



**No need to vent
radiators**

**Lowers
operating costs**

**Increases energy efficiency in
heating and cooling systems**

TTM NoXygen® C625

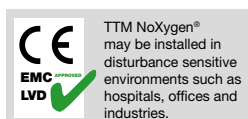
Removes harmful gases in hydronic system

The TTM NoXygen® C625 is part of a series of fully automatic vacuum degassers and easy to install. The unit is designed for permanent operation in apartment buildings for the treatment of fluids in cooling and heating systems up to 25 m³, which corresponds to approximately 200 apartments. A system fluid with a high gas content causes energy losses, corrosion and noise problems.

TTM NoXygen® keeps the system free of aggressive gases, preventing and obviating gas-related problems that otherwise impair the ability of the system fluid to absorb and release energy.

TTM NoXygen® can be installed in existing and new systems.

Art. no: 515 580



NoXygen®
Degasser

Installation benefits:

- Easy to install, commission and control
- Quick degassing function
- Can be installed in both small and large systems
- Can be wall mounted

Operation benefits:

- Reduces operating costs
- Prevents corrosion of system components
- No need to vent radiators
- Increases the energy efficiency of heating and cooling systems
- Minimises noise problems in heating and cooling systems
- Enables stable and easy adjustment
- Removes gases from the system fluid
- Prevents degradation of refrigerant liquids

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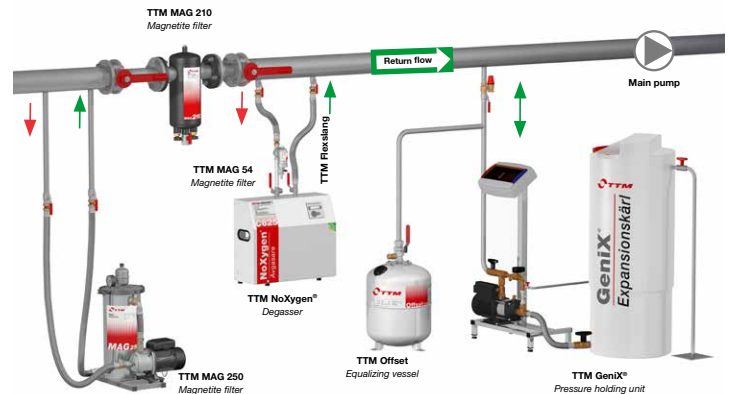
Function

TTM NoXygen® removes trapped and free gases in heating, heat recovery or cooling systems by lowering the system pressure down to -0.9 bar. Bound gases in the system fluid are released at high pressure and form free gas bubbles, which can then be vented away. Degassing takes place independently of the existing system pressure or media temperature.

When TTM NoXygen® is installed for the first time, the device starts automatically in quick degassing mode. This means that the TTM NoXygen® quickly lowers the gas content in the system and then, once the gases have been removed, switches to maintenance degassing.

The vacuum degasser is designed for permanent installation to keep the system free of free and bound gases in the long term. When the process is completed, the gas content in the system will gradually increase, as no liquid system is completely diffusion proof. If the system ever needs to be drained of system fluid, the new gas is degassed efficiently through the unit's quick degassing mode.

It takes about 2 weeks to degas 5 m³ of system fluid if the system is previously vented and in good condition. Glycol systems take up to 4 times as long than to degas water. TTM NoXygen® is suitable for system volumes from 0.5 - 25 m³. When the system volume exceeds 25 m³ or where faster degassing is desired, the TTM NoXygen® can be series connected in the return flow of the manifold.



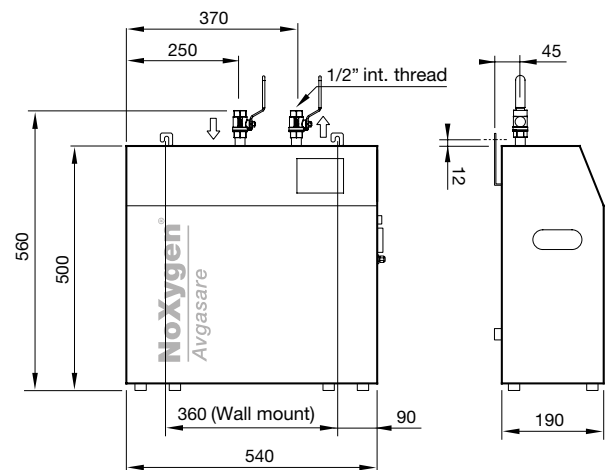
Technical data

Min - Max. system pressure in connection point	+0,8 – +2,5 bar
Media temperature	0 – +60 °C
Ambient temperature	0 – +40 °C
Capacity, degassed liquid	min. 100 l/h
Vacuum capacity during degassing	Down to -0.9
Pressure class	PN 10
Permitted fluids	Water and deionised water Propylene/ethylene glycol max. 10 vol% Ethanol ¹ less than 30 vol%
Connection dimension	DN15
Electrical data	1~230 V, 50 Hz
Outer fuse	10 A
Rated power	0,5 kW
Voltage	1~230 V, 50 Hz, plug
Rated current	3 A
Energy consumption	25 kWh/year ²
Connection to DUC	Potential free contactor
Max current load	24 V, 1,0 A
Protection class	IP44
Noise level	58 dB
Weight	19 kg
Article no.	515 108

¹⁾ When degassing ethanol, ensure the premises are well ventilated.

²⁾ Operation with 30 days of quick degassing results in an energy consumption of 80 kWh the first year.

TTM NoXygen® C625



Width:	540 mm
Height:	560 mm
Depth:	190 mm

Accessories

TTM Flexible Hose

- Steel spun connection hose.
- 2 pcs 1.5 meter conn. DN15.
- Art.no: 505440**

TTM MAG 54

- Magnetite collector with particle filter that captures magnetite with a magnetic insert and removes dirt with a 300 micron particle filter. Designed for to be installed together with TTM NoXygen®.

Art.no: 514 428

TTM MAG 76

- Magnetite collector with particle filter that captures magnetite with a magnetic insert and removes dirt with a 250 micron particle filter. Designed for to be installed together with TTM NoXygen®.

Art.no: 506 188



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