TTM FiltrX® C250/C450

Large system filter that removes magnetite

Installation, operating and maintenance instructions

Strong magnetic field	Can affect pacemaker/ICD	Risk of pinching

Also be aware that the magnet may interfere with electronic equipment and pacemakers.

FiltrX®
Systemfilter

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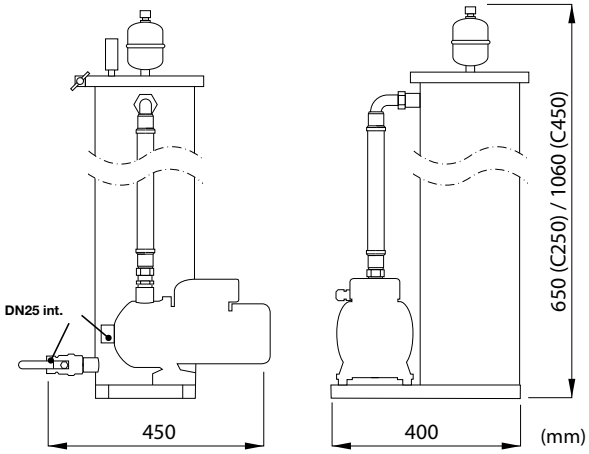
Technical data

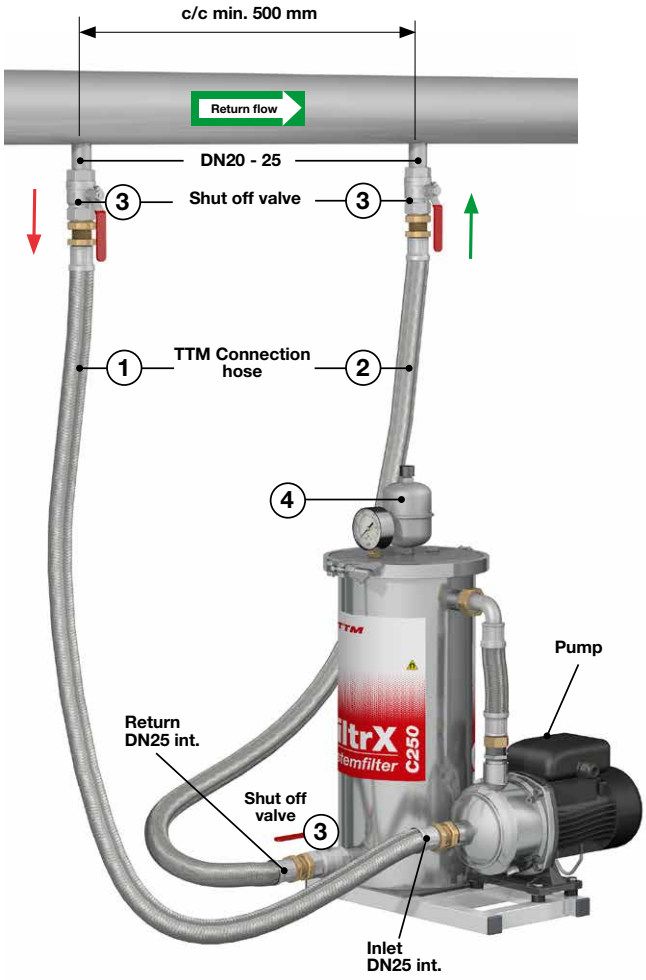
System filter	TTM FiltrX® C250	TTM FiltrX® C450
Article number	506317	519201
System pressure standard, total 10 bar pressure at the connection point, max.	10 bar	
Width x length x height (mm)	400 x 450 x 650	400 x 450 x 1060
Medium temperature	0 – +60 °C	
Pressure class	PN 10	
Permissible liquids	Water, glycol, alcohol, demineralized water	
Connection dimension	DN25, int. thread	
Magnetic insert	Ø25 x 200mm	
Mangetic strength	12000GS	
Power	1 ~ 230 V, 50 Hz	
External fuse	10 A	
Rated power	0,51 kW	
Voltage	1 ~ 230V, 50Hz, plug	
Rated current	2,34 A	
Protection class	IP44	
Weight	27 kg	33 kg



Installation

TTM FiltrX® is connected with TTM Connection hoses on the system's return conduit. Two bifurcations with ball valves with minimum dimensions DN20 and a spacing of at least 500 mm are installed on the bottom side of the conduit. The connections on the TTM FiltrX® are DN25 internal thread.

- Connect a TTM Connection hose **(1)** from the first bifurcation to the pump (inflow from the system)
- Connect a TTM Connection hose **(2)** from the second bifurcation to the filter holder (return to the system).
- Open both ball valves **(3)** and wait until all the air in the filter holder has been evacuated through the top aerator **(4)**.
- Start the pump.
- Inspect the filter regularly and replace as needed. The interval depends on the size of the system and the quantity of particles in the fluid. We recommend that an inspection be held as early as after a few days in the event of heavily dirtied systems.



TTM Energiprodukter AB reserves the right to make techical changes. We reserve the right to make printing and factual errors.

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Maintenance / filter replacement

The filter must be replaced when the pressure meter shows 1 bar higher than the system pressure.
To guarantee good function, however, the filter must be inspected visually at least once per month.

Before replacing the filter, switch off the pump by removing the plug from the wall socket and closing the valves to the system. Open the drain and empty the filter of water. Then close the drain.

1. Undo the clamp ring.

2. Remove the cover.

3. Press down and rotate the locking ring until the grooves match the lugs.

4. Remove the locking ring and the old filter.

5. Replace the old filter with a new one.

6. Replace the locking ring and rotate until the filter is firmly in place.

7. Replace the cover.
NB! Make sure you don't damage the filter.

8. Install the clamp ring and tighten. Now TTM FiltrX® is once again ready for use.

Note: Copper paste/silicone grease must be applied to the thread of the clamp ring once per year or every time the filter is opened.

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Accessories

TTM FiltrX® Filter bag

Replacement filter that is replaced when it is clogged or defective

TTM FiltrX® C250 Filter bag

(1µm – 1 micron) **Art.no: 506331**

TTM FiltrX® C450 Filter bag

(1µm – 1 micron) **Art.no: 519270**

TTM FiltrX Transport trolley

Welded tubular steel design, equipped with 10” rubber tires. Weight 20 kg

Art.no: 519225

TTM Connection hose

TTM Connection hose is a flexible and glycol-resistant hose made of diffusion-resistant material*. The butyl hose is steel-covered and rated for pressures up to 10 bar.

The connection hose is used to connect the TTM FiltrX® to the HVAC system with a brass traveling nut (DN25) with internal threads at both ends.

**) Meets the requirement for diffusion tightness (≤ 0,32 mg/(m² · d) at 40°C).*

TTM Connection hose set

Two connection nipples with gaskets are included.

Article	Quantity	Dimension	Length (mm)	Max. pressure (bar)	Temp. range (°C)	Min. bend radius (mm)	Inner hose Ø (mm)	Art. no.
Connection hose 1”	1	DN25	800	10	-20 – +90	132	25.5	517740
Connection hose 1”	1	DN25	1500	10	-20 – +90	132	25.5	517757
Connection hose 1”	1	DN25	2500	10	-20 – +90	132	25.5	517764

TTM Connection hose

Article	Quantity	Dimension	Length (mm)	Max. pressure (bar)	Temp. range (°C)	Min. bend radius (mm)	Inner hose Ø (mm)	Art. no.
Connection hose 1”	1	DN25	800	10	-20 – +90	132	25.5	U2012516
Connection hose 1”	1	DN25	1500	10	-20 – +90	132	25.5	U2012517
Connection hose 1”	1	DN25	2500	10	-20 – +90	132	25.5	U2012518

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