



**DIRTMAG®**

Dirt separator

5463 – 5466 series

[www.caleffi.com](http://www.caleffi.com)



**PCT**  
INTERNATIONAL  
PATENT  
APPLICATION

- Can be used to separate all impurities, including ferrous ones, in the thermal medium circulating in heating and cooling systems.
- Features a large decantation chamber.
- Easy and quick to clean, even while the system is operating.
- Suitable for all types of system: the insulation guarantees low heat losses and adequate protection against condensation.
- Particle separation rating down to 5 µm.
- Low pressure drop.



**CALEFFI**  
Hydronic Solutions

## PRODUCT RANGE



WITH INSULATION	
CODE	CONNECTION
<b>546315</b>	3/4" F
<b>546316</b>	1" F
<b>546317</b>	1 1/4" F
<b>546318</b>	1 1/2" F
<b>546319</b>	2" F



WITHOUT INSULATION	
CODE	CONNECTION
<b>546305</b>	3/4" F
<b>546306</b>	1" F
<b>546307</b>	1 1/4" F
<b>546308</b>	1 1/2" F
<b>546309</b>	2" F

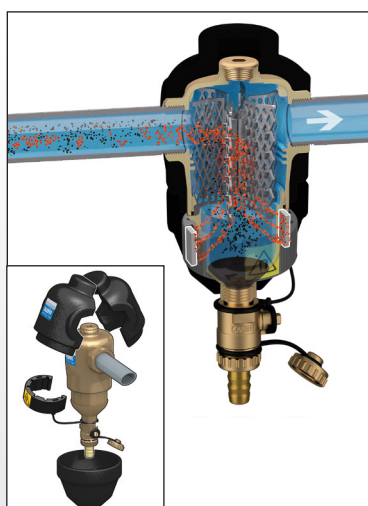


CODE	CONNECTION
<b>546650</b>	DN 50
<b>546660</b>	DN 65
<b>546680</b>	DN 80
<b>546610</b>	DN 100
<b>546612</b>	DN 125
<b>546615</b>	DN 150



CODE	CONNECTION
<b>546620</b>	DN 200
<b>546625</b>	DN 250
<b>546630</b>	DN 300

## CONSTRUCTION DETAILS



Magnetic dirt separators are based on the principle of collision against the mesh and particle decantation, making them more effective than common strainers.

Their performance remains unaffected where strainers become clogged with dirt, altering their functional features.

The magnet fixing clip serves to trap ferrous impurities.



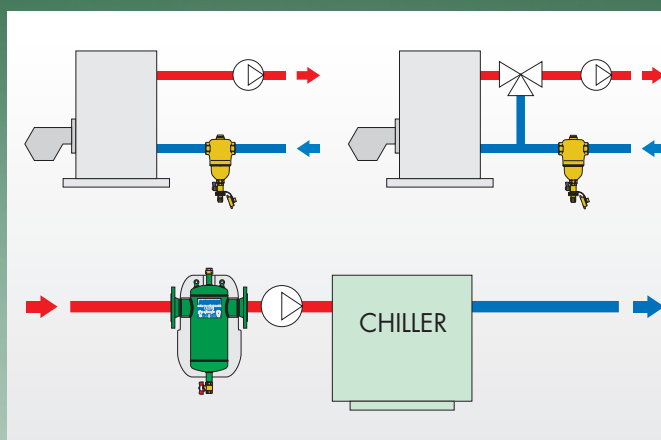
They feature a large decantation chamber, which offers a number of benefits:

- it is located at the bottom of the device so that the collected impurities are not affected by the swirling of the flow through the mesh
- its enormous capacity reduces the sludge drainage frequency
- the dirt can be expelled through the lower ball valve even while the system is operating.

## TECHNICAL SPECIFICATIONS

Working temperature range	0–110 °C threaded version
	0–100 °C flanged version
Max. working pressure	10 bar
Medium	water, glycol solutions
Max. percentage of glycol	50 %

## APPLICATION DIAGRAMS



## REFERENCE DOCUMENTATION

5462-5463-5465-5466 series

- Tech. broch.01137

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