

**Optimum dirt separation combined with energy efficiency.**

For use in sealed heating and cooling systems.

Dirt separators protect the boilers, pumps and fittings from damage caused by the deposit of dirt particles. Dirt separators also offer benefits in the event of application in old systems or when an open system is converted to a closed system.

- Prevents deposit of dirt particles in the boiler.
- The removal of dirt particles from the system water extends the service life of pumps, control equipment and other system accessories.

The new steel Flamco Clean Smart dirt separators remove even the most miniscule dirt particles from the installation water. The Flamco Clean Smart performs 60% better than conventional dirt separators whilst the flow resistance has been reduced to a negligible level.

- With flanged connection according to EN 1092-1 PN16.



**Advantages**

- Up to 60% better performance compared to conventional dirt separators.
- Extremely low flow resistance resulting in less energy consumption.
- Standard flow speed up to 3 m/s.
- Twenty-five neodymium supermagnets are incorporated into the dirt scraper.
- Constant performance during the entire lifespan.
- Low maintenance

**Technical Specifications**

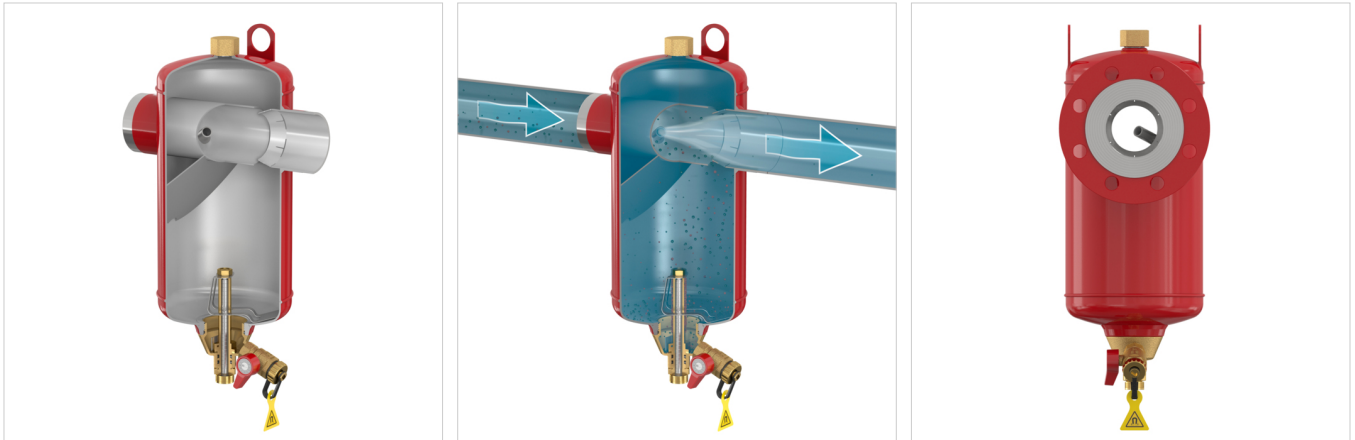
- Maximum working pressure: 16 bar.
- Models with a maximum working pressure of 25 bar are available upon request.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Description	Flamco Clean Smart F DN65 16bar	
Order Code	31082	
GTIN	08712874310827	
Model	<u>Flamco Clean Smart F - 16.0 bar</u>	
Capacity [l]	8	
Connection	[DN]	65
	[mm]	76.1
Dimensions	A [mm]	452
	B [mm]	350
	C [mm]	129
	D [mm]	175
$K_v^* [m^3/h] (\Delta P = 1 \text{ bar})$	140	
Weight [kg]	18	

\*  $K_v = Q / \sqrt{\Delta P}$  Q: Flow [m<sup>3</sup>/h] ΔP: Pressure loss over the product (1 bar)  
Flow factor  $K_v$ : Rate of flow [m<sup>3</sup>/h] which results in a 1 bar pressure drop across the product. This is different then the maximum allowed flow rate of the product.

\*\* CE Marked.





### Classification General Data

<b>Etim Group</b>	Filters/separators
<b>Etim Class</b>	Air-/dirt separator for central heating/cooling system
<b>Product Name</b>	Flamco Clean Smart F DN65 16bar
<b>Brand</b>	Flamco
<b>Product Type</b>	DN65 16bar
<b>Artikelnummer</b>	31082

### Attributes

<b>Housing material</b>	Steel
<b>Housing material quality</b>	Other
<b>Separator type</b>	Dirt
<b>Suitable for heating</b>	Yes
<b>Suitable for cooling</b>	Yes
<b>Flange standard</b>	DIN
<b>Operating principle</b>	Other
<b>Suitable for open system</b>	No
<b>With blow-off valve</b>	Yes
<b>Suitable for closed system</b>	Yes
<b>With drain valve</b>	Yes
<b>With dismountable filter</b>	No
<b>Backwash filter</b>	No
<b>With automatic de-aerator</b>	No
<b>With integrated replenishment automat</b>	No
<b>With couplers</b>	No
<b>Medium temperature (continuous)</b>	0 - 120 °C
<b>Max. operating pressure</b>	16 Bar
<b>Magnet location</b>	Internal
<b>Variable flow direction</b>	No
<b>With insulation</b>	No

**Find more information online:**

[Installation and operating instruction](#)

[Declaration of conformity - Module A \(<= DN 65\)](#)

[Declaration of conformity - Module B \(> DN 200\)](#)

[CE PED Module D \(> DN 200\)](#)

[Flamco Clean Smart F ADSK](#)

[Flamco Clean Smart F DWG](#)

[Flamco Clean Smart F IPT](#)

[Flamco Clean Smart F STEP](#)

[Export catalogue](#)

[Smart DN50 - 600 Brochure](#)

[Specification Text](#)

[Packaging data](#)

[Flamcovent & Clean Smart](#)

[Flamcovent & Clean Smart](#)

Fort Blauwkapel 1  
1358 DB, Almere - nl

T +31 (0)36 52 62 300

E [info@aalberts-hfc.com](mailto:info@aalberts-hfc.com)

I [flamcogroup.com](http://flamcogroup.com)