

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

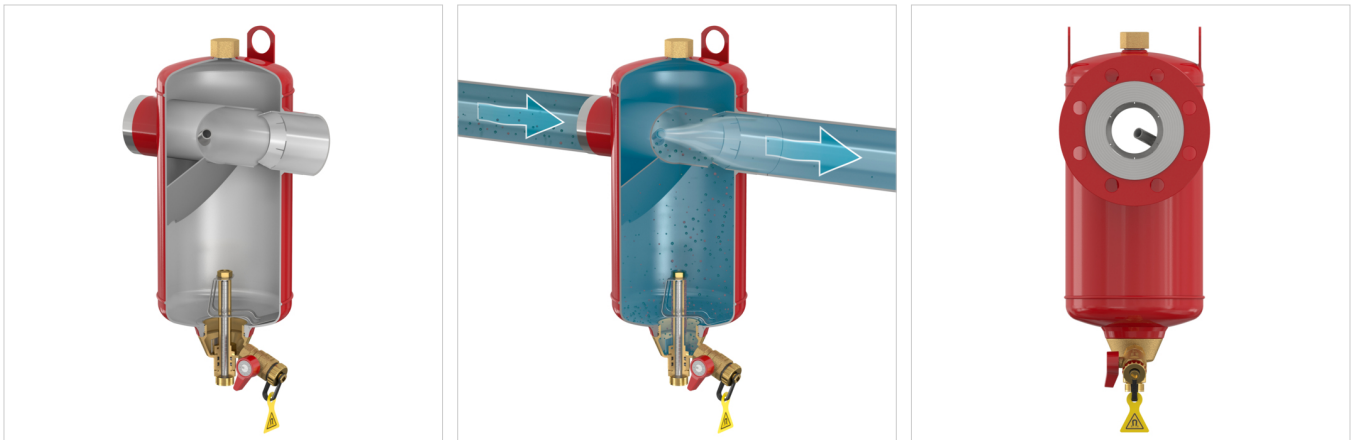
- Maximum working pressure: 16 bar.
- Models with a maximum working pressure of 25 bar are available upon request.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Description	Flamco Clean Smart F DN80 16bar	
Order Code	31083	
GTIN	08712874310834	
Model	<u>Flamco Clean Smart F - 16.0 bar</u>	
Capacity [l]	25	
Connection	[DN]	80
	[mm]	88.9
Dimensions	A [mm]	592
	B [mm]	470
	C [mm]	172
	D [mm]	270
$K_v^* [m^3/h] (\Delta P = 1 \text{ bar})$	209	
Weight [kg]	26	

* $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m^3/h] ΔP : Pressure loss over the product (1 bar)
 Flow factor K_v : Rate of flow [m^3/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

Etim Group	Filters/separators
Etim Class	Air-/dirt separator for central heating/cooling system
Product Name	Flamco Clean Smart F DN80 16bar
Brand	Flamco
Product Type	DN80 16bar
Artikelnummer	31083

Attributes

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

I flamcogroup.com