

### More compact, lighter, cleaner and even more efficient.

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 Flamco Clean Smart dirt separators remove even minuscule dirt particles from the system water. They are virtually maintenance-free and the flow resistance is negligibly low.

### Advantages

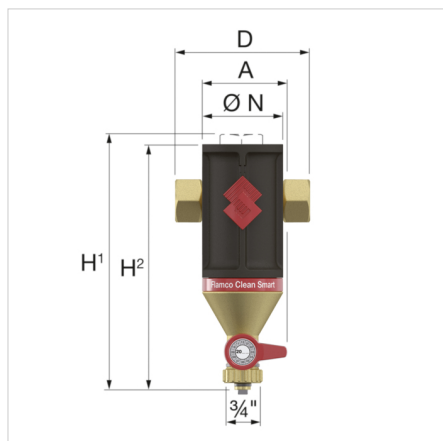
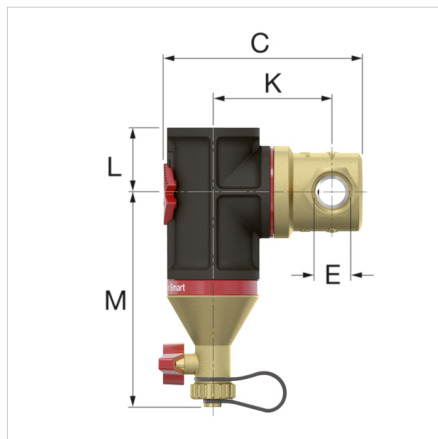
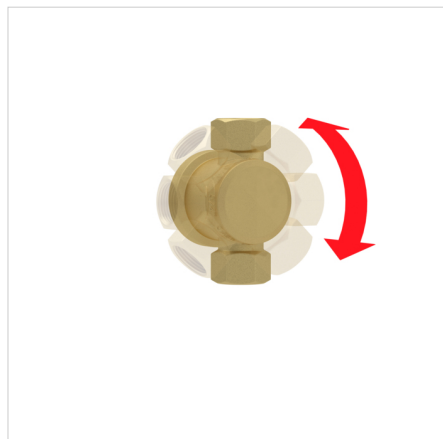
- 60% better performance compared to conventional separators.
- Flow velocity up to 3 m/s.
- Four neodymium supermagnets are incorporated into the logo.
- Can be used with all kinds of pipework.
- Compact dimensions, light weight.
- Extremely low flow resistance and low loss of energy.
- Consistent performance throughout its service life.

### Technical Specifications

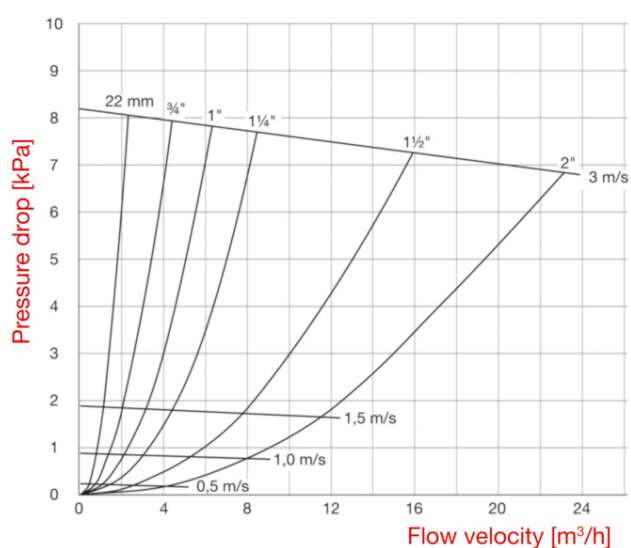
- Materials: brass and high-quality plastic.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Minimum/Maximum system pressure: 0,2 bar / 10 bar.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Suitable for addition of ethanol-based anti-freeze up to 30%.



Description		Flamco Clean Smart G1" F
Order Code		30023
GTIN		08712874300231
Model		<u>Flamco Clean Smart</u>
Connection (E)		G 1" F
Dimensions	A [mm]	76
	C [mm]	155
	D [mm]	106
	K [mm]	91
	L [mm]	44
	M [mm]	179
	H/H1 [mm]	231
	H2 [mm]	223
Weight [kg]		1.11



Selection table for Flamcovent & Clean Smart series





**Classification General Data**

Etim Group	Filters/separators
Etim Class	Air-/dirt separator
Product Name	Flamco Clean Smart G1"F
Brand	FLAMCO
Product Type	Smart Air & Dirt (≤ 2")
Order Code	30023
GTIN	08712874300231

**Attributes**

Material	Plastic
Separator type	Dirt
Model	Horizontal/vertical
Material of connection	Brass
Material quality connection	Other
Housing material	Other
Housing material quality	Other
Variable flow direction	No
Suitable for heating	Yes
Suitable for cooling	Yes
Suitable for solar	No
Nominal diameter	1 inch (25)
Outer pipe diameter	33.7 Millimetre
Connection	Internal thread cylindrical BSPP-G (ISO 228-1)
Operating principle	Other
Construction length	106 Millimetre
Article compression class	PN 10
With blow-off valve	Yes
Surface protection	Untreated
Whirl operating principle	No
Negative pressure operating principle	No
Magnet operating principle	Yes
Thrust operating principle	Yes
Partial flow principle	Yes
Principle full flow with settling	No
Max. medium temperature (continuous)	120 Degrees celsius
Cleaning possible during operation	No
Magnet location	External
Flow-through capacity	0 - 6.56 m <sup>3</sup> /h
Suitable for open system	No
Suitable for closed system	Yes
Max. operation pressure	10 Bar
With drain valve	Yes
With dismountable filter	No
Filter volume	0 Litre
Filter mesh density	0 Millimetre
Backwash filter	No
Min. pressure for back flush	0 Bar
With automatic de-aerator	No
With couplers	No
Inlet/outlet offset distance	0 Millimetre
Medium temperature (continuous)	0 - 120 °C
Max. operating pressure	10 Bar
Kvs value	0
With insulation	No
Heat conduction coefficient insulation material (λ)	0 Watt per metre Kelvin
Max. glycol mixture	50 Percentage

**Find more information online:**[Installation and operating instruction](#)[Statement of Conformity](#)[Flamco Clean Smart ADSK](#)[Flamco Clean Smart ADSK Revit](#)[Flamco Clean Smart DWG](#)[Flamco Clean Smart STEP](#)[Smart Brochure](#)[Specification Text](#)[Packaging data](#)[Flamcovent & Clean Smart](#)

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With integrated replenishment    No  
automat

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