

More compact, lighter, cleaner and more efficient

For use in sealed heating and cooling systems.

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

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

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

Advantages

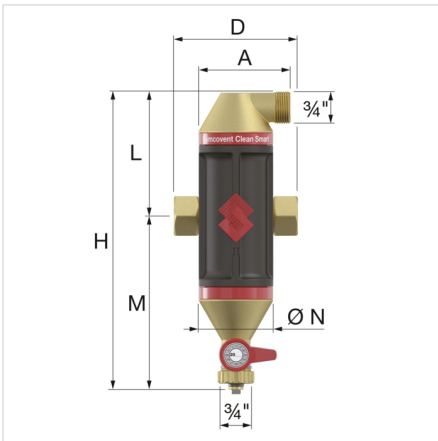
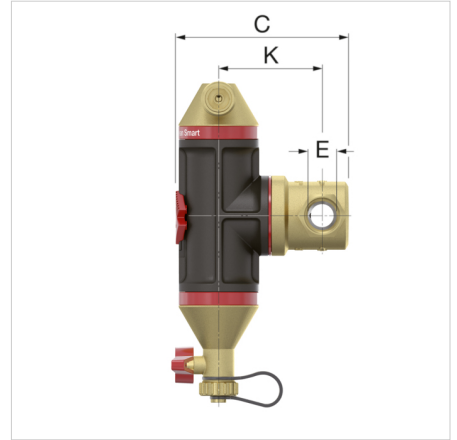
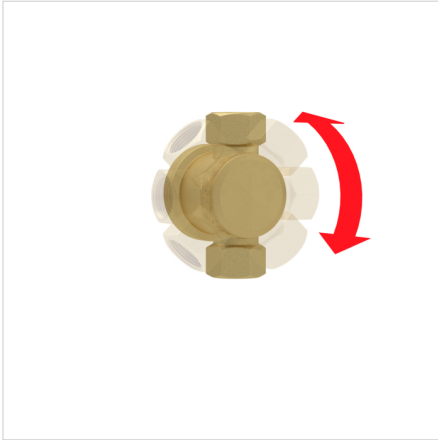
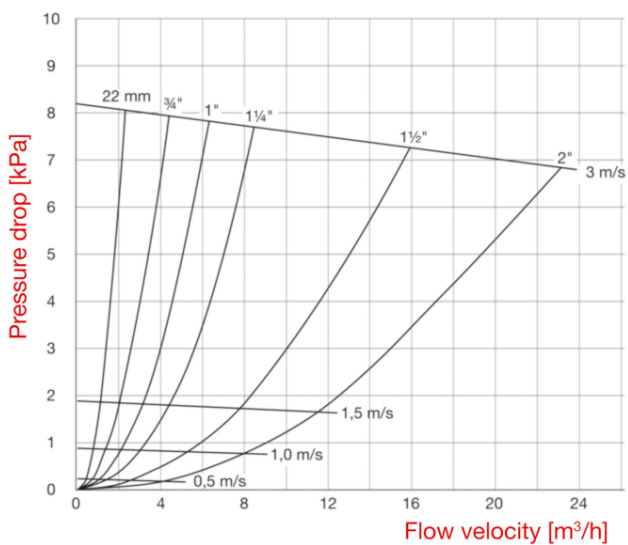
- 60% better performance compared to conventional separators.
- Flow velocity up to 3 m/s.
- Four neodymium supermagnets are incorporated into the logo.
- Can be used with all kinds of pipework.
- Compact dimensions, light weight.
- Extremely low flow resistance and low loss of energy.
- Consistent performance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

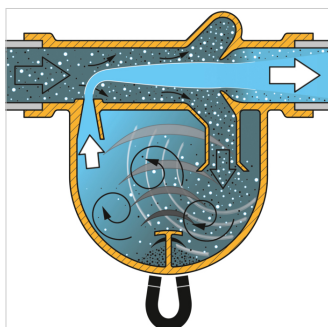
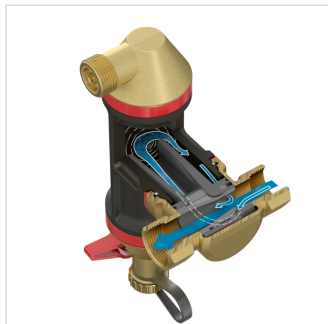
Technical Specifications

- Materials: brass and high-quality plastic.
- Minimum/Maximum operating temperature: -10 °C / 120 °C.
- Minimum/Maximum system pressure: 0,2 / 10 bar.
- Minimum/Maximum operating pressure: 0,2 / 6 bar.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Suitable for addition of ethanol-based anti-freeze up to 30%.



Description	Flamcovent Clean Smart G1 1/4" F	
Order Code	30044	
GTIN	08712874300446	
Model	<u>Flamcovent Clean Smart</u>	
Connection (E)	G 1 1/4" F	
Dimensions	A [mm]	82
	C [mm]	165
	D [mm]	110
	K [mm]	96
	L [mm]	139
	M [mm]	179
	H/H1 [mm]	318
	Ø N [mm]	75
Weight [kg]	1.6	


Selection table for Flamcovent & Clean Smart series




Classification General Data

Etim Group	Filters/separators
Etim Class	Air-/dirt separator
Product Name	Flamcovent Clean Smart G1¼"F
Brand	FLAMCO
Product Type	Smart Air & Dirt (=< 2")
Order Code	30044
GTIN	08712874300446

Attributes

Material	Plastic
Separator type	Air/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 1/4 inch (32)
Outer pipe diameter	42.4 Millimetre
Connection	Internal thread cylindrical BSPP-G (ISO 228-1)
Operating principle	Other
Construction length	110 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 - 11.36 m ³ /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	Yes
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](#)[Flamcovent Clean Smart ADSK](#)[Flamcovent Clean Smart ADSK Revit](#)[Flamcovent Clean Smart DWG](#)[Flamcovent Clean Smart STEP](#)[Smart Brochure](#)[Specification Text](#)[Packaging data](#)[Flamcovent & Clean Smart](#)

With integrated replenishment No
automat

Fort Blauwkapel 1
1358 DB, Almere - nl

T +31 (0)36 52 62 300
E info@aalberts-hfc.com
I flamcogroup.com