30021 - Flamco Clean Smart 3/4

Product Data Sheet 2026/11/22

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 G¾"F
Order Code		30021
GTIN		8712874300217
Model		Flamco Clean Smart
Connection (E)		G $\frac{3}{4}$" F
Dimensions	A [mm]	63
	C [mm]	133
	D [mm]	100
	K [mm]	78
	L [mm]	37
	M [mm]	140
	H/H1 [mm]	190
	H2 [mm]	177
	Ø N [mm]	60
Weight [kg]		0.94

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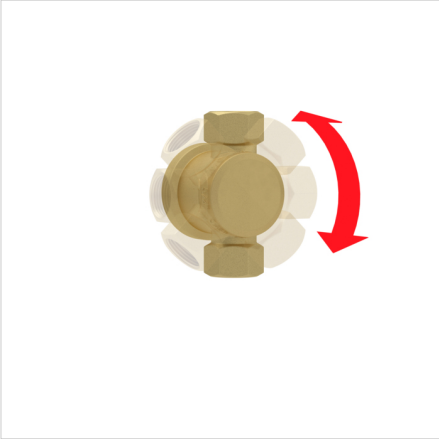



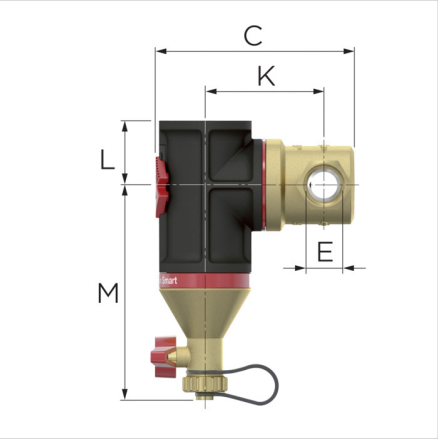

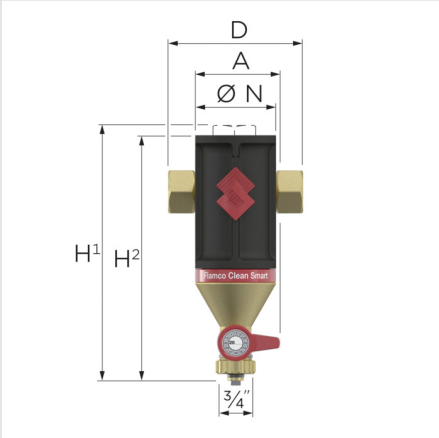

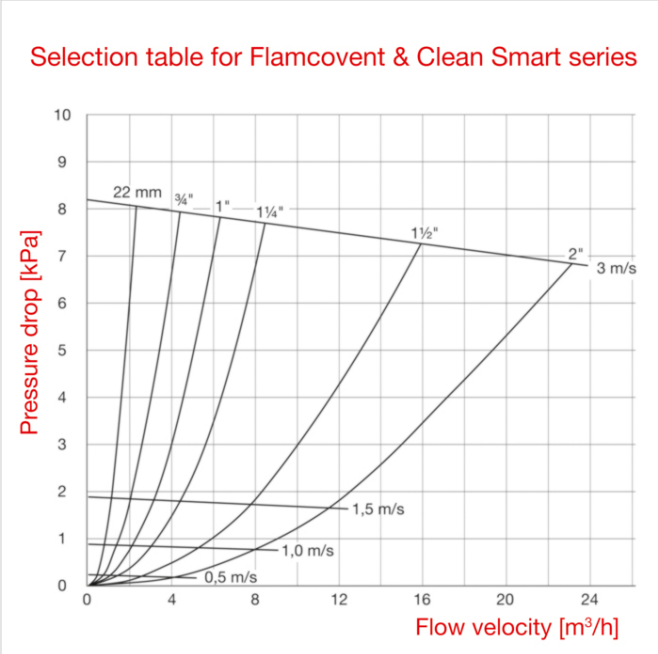

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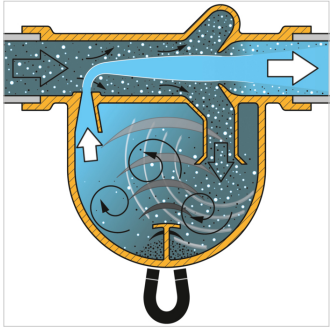

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Classification General Data

Etim Group	Filters/separators
Etim Class	Air-/dirt separator
Product Name	None
Brand	Flamco
Product Type	Smart Air & Dirt (=< 2")
Order Code	30021
GTIN	8712874300217

Attributes

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	3/4 inch (20)
Outer pipe diameter	26.9 mm
Connection	Internal thread cylindrical BSPP-G (ISO 228-1)
Construction length	100 mm
Article compression class	PN 10
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
Cleaning possible during operation	No
Magnet location	External
Flow-through capacity	0 - 3.96 m^3/h
Suitable for open system	No
Suitable for closed system	Yes
With drain valve	Yes
With dismountable filter	No
Filter volume	0 l
Filter mesh density	0 mm
Backwash filter	No
Min. pressure for back flush	0 bar
With automatic de-aerator	No
With couplers	No
Inlet/outlet offset distance	0 mm
Medium temperature (continuous)	-10 - 120 °C
Max. operating pressure	10 bar
With insulation	No
Heat conduction coefficient insulation material (Λ)	0 W/(m.K)
Max. glycol mixture	50 %
Material	Plastic
Operating principle	Other
With blow-off valve	Yes
With integrated replenishment automat	No
Kvs value	13.3 m^3/h

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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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