

Product Data Sheet (2019-06-12)

Flamco Clean Smart F - 16.0 bar

Optimum dirt separation combined with energy efficiency.

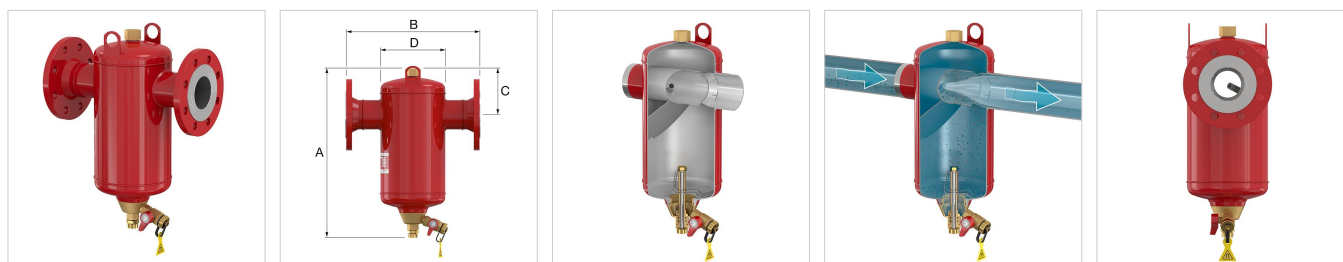
For use in sealed heating and cooling systems.

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.



Type	Capacity [l]	Connection		Dimensions				K_v^* [m ³ /h] ($\Delta P = 1 \text{ bar}$)	Weight [kg]	###	Order Code
		[DN]	[mm]	A [mm]	B [mm]	C [mm]	D [mm]				
Flamco Clean Smart 50 F **	8	50	60.3	452	350	129	175	93	17	1	31081
Flamco Clean Smart 65 F **	8	65	76.1	452	350	129	175	140	18	1	31082
Flamco Clean Smart 80 F	25	80	88.9	592	470	172	270	209	26	1	31083
Flamco Clean Smart 100 F	25	100	114.3	592	470	172	270	311	30	1	31084
Flamco Clean Smart 125 F	59	125	139.7	719	635	219	360	459	67	1	31085
Flamco Clean Smart 150 F	60	150	168.3	719	635	224	360	675	70	1	31086

Type	Capacity [l]	Connection		Dimensions				K_v^* [m ³ /h] ($\Delta P = 1$ bar)	Weight [kg]	###	Order Code
		[DN]	[mm]	A [mm]	B [mm]	C [mm]	D [mm]				
Flamco Clean Smart 200 F	123	200	219.1	951	774	361	450	1340	103	1	31087
Flamco Clean Smart 250 F	287	250	273.0	1272	990	395	600	1952	199	1	31088
Flamco Clean Smart 300 F	333	300	323.9	1437	1006	420	600	2830	238	1	31089
Flamco Clean Smart 350 F	646	350	355.6	1581	1214	487	800	4084	386	1	31090
Flamco Clean Smart 400 F	731	400	406.4	1754	1220	517	800	5866	415	1	31091
Flamco Clean Smart 500 F	1384	500	508.0	2081	1580	627	1000	8387	776	1	31092
Flamco Clean Smart 600 F	2390	600	610.0	2477	1870	785	1200	11939	1464	1	31093

* $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP : Pressure loss over the product [bar].

** CE Marked.

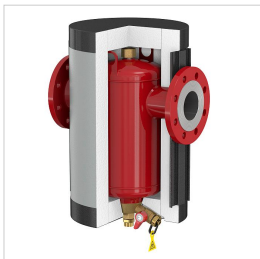
Flow factor K_v : Rate of flow [m³/h] which results in a 1 bar pressure drop across the product. This is different then the maximum allowed flow rate of the product.

Advantages

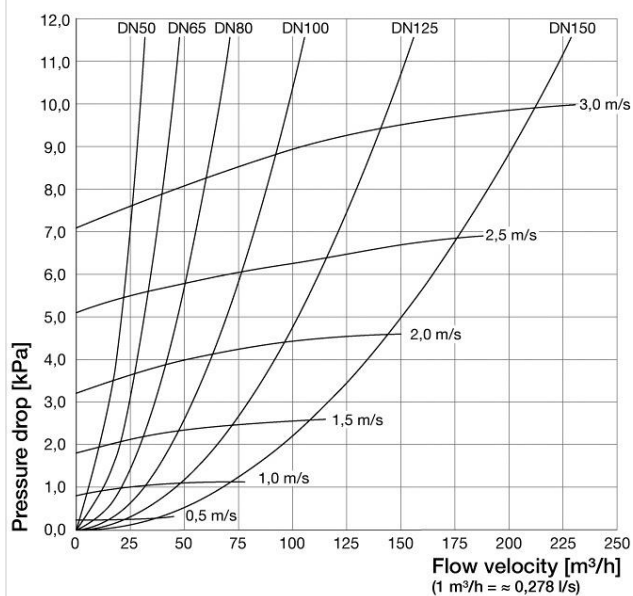
- Up to 60% better performance compared to conventional dirt separators.
- Extremely low flow resistance resulting in less energy consumption.
- Standard flow speed up to 3 m/s.
- Twenty-five neodymium supermagnets are incorporated into the dirt scraper.
- Constant performance during the entire lifespan.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

Technical information

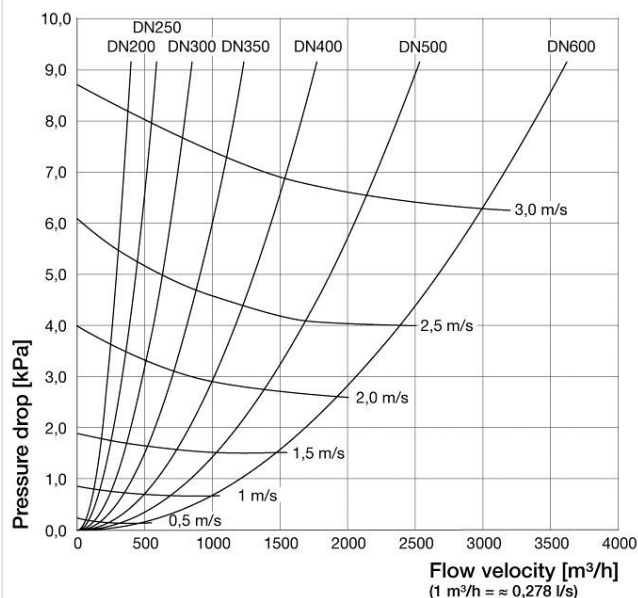
- Maximum working pressure: 16 bar.
- Models with a maximum working pressure of 25 bar are available upon request.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.



Selection table DN 50 - DN 150



Selection table DN 200 - DN 600



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