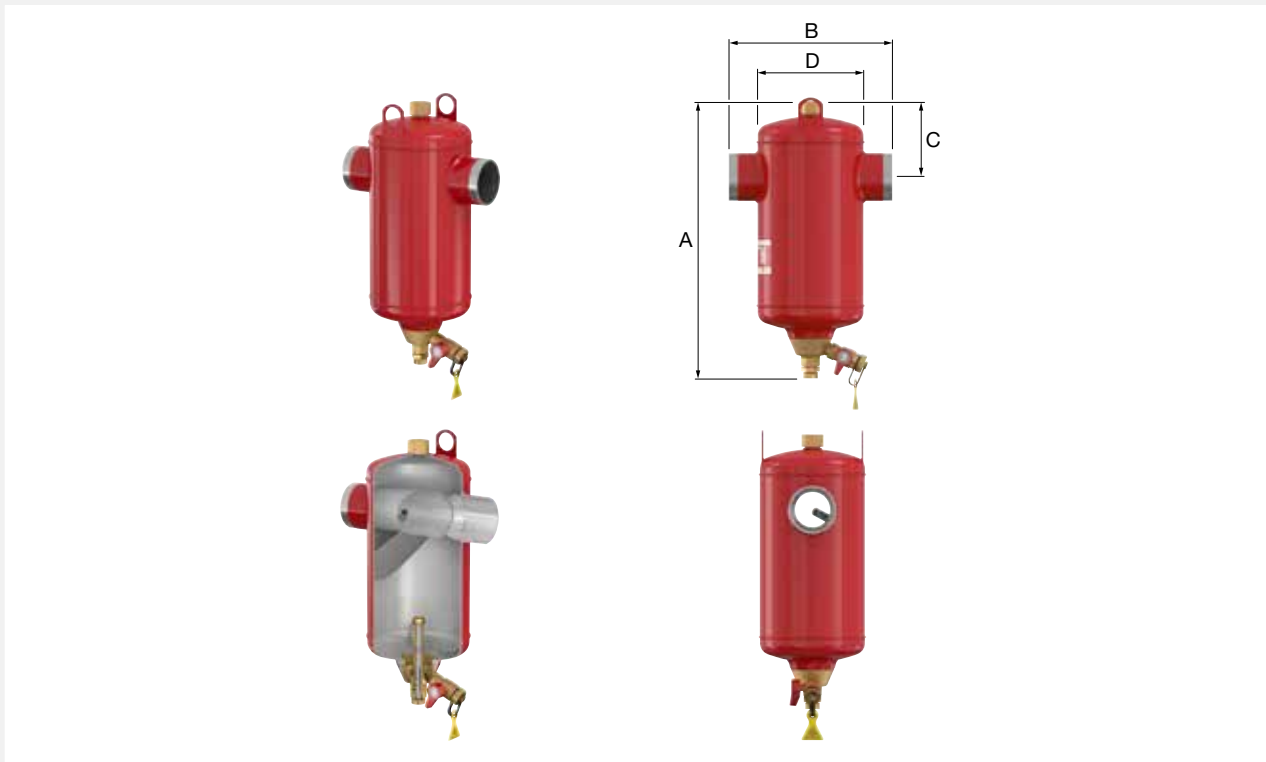



## Flamco Clean Smart S - 10.0 bar

### Optimum dirt separation combined with energy efficiency.

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.

- 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.
- Including a welded connection.
  - Maximum working pressure: 10 bar.
  - 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.



Type	Capacity [l]	Connection		Dimensions				K <sub>v</sub> * [m <sup>3</sup> /h] (ΔP = 1 bar)	Weight [kg]		Order Code
		[DN]	[mm]	A [mm]	B [mm]	C [mm]	D [mm]				
<b>Flamco Clean Smart 50 S</b>	8	50	60.3	475	260	129	175	93	9	1	31121
<b>Flamco Clean Smart 65 S</b>	8	65	76.1	475	260	129	175	140	10	1	31122
<b>Flamco Clean Smart 80 S</b>	25	80	88.9	620	370	172	270	209	17	1	31123
<b>Flamco Clean Smart 100 S</b>	25	100	114.3	620	370	172	270	311	20	1	31124
<b>Flamco Clean Smart 125 S</b>	59	125	139.7	790	525	219	360	459	36	1	31125
<b>Flamco Clean Smart 150 S</b>	60	150	168.3	790	525	224	360	675	37	1	31126
<b>Flamco Clean Smart 200 S</b>	123	200	219.1	970	650	361	450	1340	57	1	31127
<b>Flamco Clean Smart 250 S</b>	287	250	273.0	1272	850	395	600	1952	125	1	31128

\* K<sub>v</sub> = Q / √ΔP Q: Flow [m<sup>3</sup>/h] ΔP: Pressure loss over the product [bar]

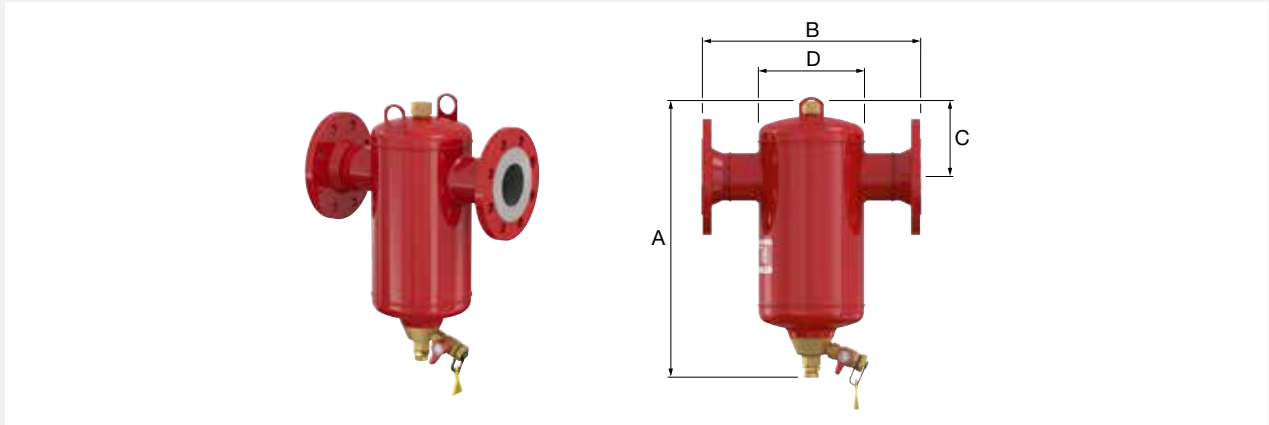
Flow factor K<sub>v</sub>: Rate of flow [m<sup>3</sup>/h] which results in a 1 bar pressure drop across the product. This is different than the maximum allowed flow rate of the product.




## Flamco Clean Smart F - 10.0 bar

Similar to the Flamco Clean Smart S but with flanged connection according to EN 1092-1 PN16.

- Maximum working pressure: 10 bar.
- Models with a maximum working pressure of 25 bar are available upon request.



Type	Capacity [l]	Connection		Dimensions				K <sub>v</sub> * [m <sup>3</sup> /h] (ΔP = 1 bar)	Weight [kg]		Order Code
		[DN]	[mm]	A [mm]	B [mm]	C [mm]	D [mm]				
<b>Flamco Clean Smart 50 F</b>	8	50	60.3	475	350	129	175	93	14	1	31021
<b>Flamco Clean Smart 65 F</b>	8	65	76.1	475	350	129	175	140	16	1	31022
<b>Flamco Clean Smart 65 F**</b>	8	65	76.1	475	350	129	175	140	16	1	31023
<b>Flamco Clean Smart 80 F</b>	25	80	88.9	620	470	172	270	209	25	1	31024
<b>Flamco Clean Smart 100 F</b>	25	100	114.3	620	470	172	270	311	29	1	31025
<b>Flamco Clean Smart 125 F</b>	59	125	139.7	790	635	219	360	459	48	1	31026
<b>Flamco Clean Smart 150 F</b>	60	150	168.3	790	635	224	360	675	52	1	31027
<b>Flamco Clean Smart 200 F</b>	123	200	219.1	970	774	361	450	1340	80	1	31028
<b>Flamco Clean Smart 250 F</b>	287	250	273.0	1272	990	395	600	1952	158	1	31029
<b>Flamco Clean Smart 300 F</b>	333	300	323.9	1437	1006	420	600	2830	184	1	31030
<b>Flamco Clean Smart 350 F</b>	646	350	355.6	1581	1214	487	800	4084	321	1	31031
<b>Flamco Clean Smart 400 F</b>	731	400	406.4	1754	1220	517	800	5866	348	1	31032
<b>Flamco Clean Smart 500 F</b>	1384	500	508.0	2081	1580	627	1000	8387	635	1	31033
<b>Flamco Clean Smart 600 F</b>	2390	600	610.0	2477	1870	785	1200	11939	963	1	31034

\* K<sub>v</sub> = Q / √ΔP Q: Flow [m<sup>3</sup>/h] ΔP: Pressure loss over the product [bar]

Flow factor K<sub>v</sub>: Rate of flow [m<sup>3</sup>/h] which results in a 1 bar pressure drop across the product. This is different then the maximum allowed flow rate of the product.

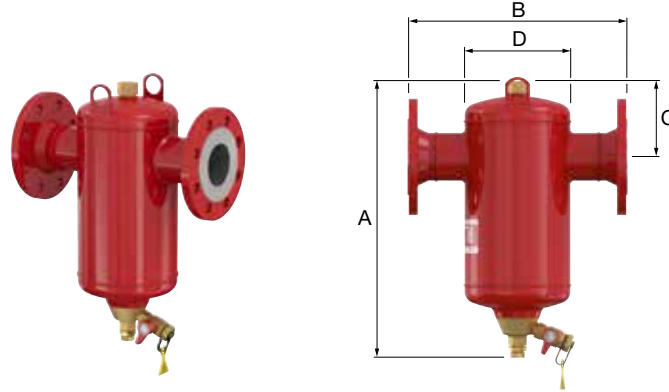
\*\* 4 hole flanged version.




### Flamco Clean Smart F - 16.0 bar

Similar to the Flamco Clean Smart S but with flanged connection according to EN 1092-1 PN16.

- Maximum working pressure: 16 bar.
- Models with a maximum working pressure of 25 bar are available upon request.



Type	Capacity [l]	Connection		Dimensions				K <sub>v</sub> * [m³/h] (ΔP = 1 bar)	Weight [kg]		Order Code
		[DN]	[mm]	A [mm]	B [mm]	C [mm]	D [mm]				
<b>Flamco Clean Smart 50 F **</b>	8	50	60.3	452	350	129	175	93	17	1	31081
<b>Flamco Clean Smart 65 F **</b>	8	65	76.1	452	350	129	175	140	18	1	31082
<b>Flamco Clean Smart 80 F</b>	25	80	88.9	592	470	172	270	209	26	1	31083
<b>Flamco Clean Smart 100 F</b>	25	100	114.3	592	470	172	270	311	30	1	31084
<b>Flamco Clean Smart 125 F</b>	59	125	139.7	719	635	219	360	459	67	1	31085
<b>Flamco Clean Smart 150 F</b>	60	150	168.3	719	635	224	360	675	70	1	31086
<b>Flamco Clean Smart 200 F</b>	123	200	219.1	951	774	361	450	1340	103	1	31087
<b>Flamco Clean Smart 250 F</b>	287	250	273.0	1272	990	395	600	1952	199	1	31088
<b>Flamco Clean Smart 300 F</b>	333	300	323.9	1437	1006	420	600	2830	238	1	31089
<b>Flamco Clean Smart 350 F</b>	646	350	355.6	1581	1214	487	800	4084	386	1	31090
<b>Flamco Clean Smart 400 F</b>	731	400	406.4	1754	1220	517	800	5866	415	1	31091
<b>Flamco Clean Smart 500 F</b>	1384	500	508.0	2081	1580	627	1000	8387	776	1	31092
<b>Flamco Clean Smart 600 F</b>	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]

Flow factor K<sub>v</sub>: 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.

\*\* CE Marked.