

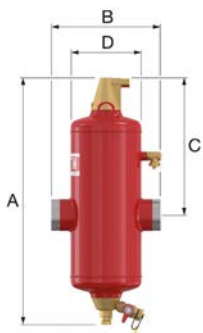
## Flamcovent Clean Smart

combined air- & dirt separators

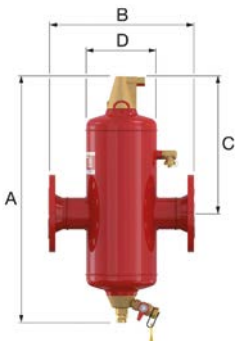
Air and dirt in a system cause problems such as reduced heat transfer, faults, wear and noise. They can also lead to system disruption and reduced pump performance. Higher energy consumption and an unreliable system are the consequence. Air and gases are always present in the water of heating and cooling systems. They are usually the result of actions performed (maintenance, draining and filling, etc.), micro-leaks, diffusion and chemical processes in the water.

The new range of Flamcovent, Flamco Clean and Flamcovent Clean Smart air and dirt separators remove even the tiniest microbubbles and minuscule dirt particles from the system water. Moreover, they require virtually no maintenance and the flow resistance is negligibly small, which saves energy.

- Continuous performance during the entire life span.
- Low maintenance.
- Extremely low flow resistance, resulting in ultra low power consumption.
- Up to 60% better performance compared to conventional air separators.
- There are 25 neodymium super magnets processed in the dirt scraper.



Type S



Type F

- Smart 50
- Smart 65
- Smart 80
- Smart 100
- Smart 125
- Smart 150
- Smart 200
- Smart 250
- Smart 300
- Smart 350
- Smart 400
- Smart 500
- Smart 600

| content   | dimensions |       |       |      |      |        | weight |        | syst. conn. |     |
|-----------|------------|-------|-------|------|------|--------|--------|--------|-------------|-----|
|           | A          | B (S) | B (F) | C    | Ø D  | Type S | Type F | Type S | Type F      |     |
| [l]       | [mm]       | [mm]  | [mm]  | [mm] | [mm] | [kg]   | [kg]   | [mm]   | [DN]        |     |
| Smart 50  | 10         | 603   | 260   | 350  | 338  | 175    | 11     | 16     | 60,3        | 50  |
| Smart 65  | 10         | 603   | 260   | 350  | 338  | 175    | 11     | 17     | 76,1        | 65  |
| Smart 80  | 33         | 795   | 370   | 470  | 435  | 270    | 20     | 28     | 88,9        | 80  |
| Smart 100 | 33         | 795   | 370   | 470  | 435  | 270    | 23     | 32     | 114,3       | 100 |
| Smart 125 | 78         | 967   | 525   | 635  | 510  | 360    | 42     | 55     | 139,7       | 125 |
| Smart 150 | 78         | 967   | 525   | 635  | 510  | 360    | 47     | 63     | 168,3       | 150 |
| Smart 200 | 156        | 1280  | 650   | 774  | 705  | 450    | 63     | 86     | 219,1       | 200 |
| Smart 250 | 370        | 1620  | 850   | 990  | 892  | 600    | 132    | 165    | 273,0       | 250 |
| Smart 300 | 415        | 1784  | 850   | 1006 | 1032 | 600    | 156    | 200    | 323,9       | 300 |
| Smart 350 | 840        | 2028  | 1050  | 1214 | 1109 | 800    | 285    | 350    | 355,6       | 350 |
| Smart 400 | 927        | 2201  | 1050  | 1220 | 1252 | 800    | 303    | 385    | 406,4       | 400 |
| Smart 500 | 1768       | 2628  | 1400  | 1580 | 1470 | 1000   | 613    | 745    | 508,0       | 500 |
| Smart 600 | 3056       | 3124  | 1680  | 1870 | 1757 | 1200   | 867    | 1075   | 610,0       | 600 |

- Flange connection according to EN 1092-1 PN16.
- Maximum working pressure 10 bar.
- Performances with a maximum working pressure of 25 bar available on request.
- Suitable for systems with a maximum supply temperature of 120 °C.
- Suitable for glycol solutions up to 50%.
- In accordance with the Pressure Equipment Directive 2014/68/EU.