

**Optimum deaeration combined with energy retention.**

For total elimination of air from heating and cooling installations.

Air separators increase comfort and improve the yield. Air 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. The removal of air from the system water extends the service life of pumps, control equipment and other system accessories.

The new steel Flamcovent Smart air separators remove even the tiniest micro-bubbles from the installation water. The Flamcovent Smart performs 60% better than conventional air separators whilst the flow resistance has been reduced to a negligible level.

Including a welding connection.

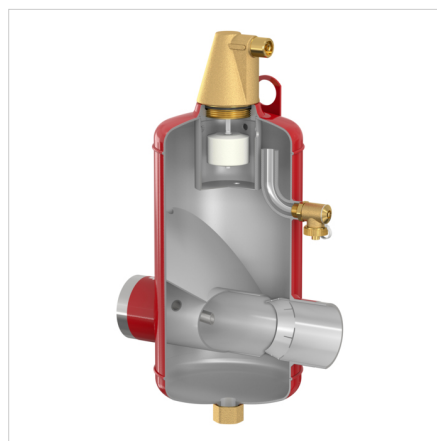
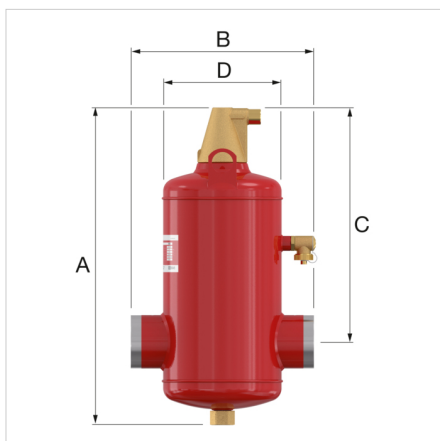



**Advantages**

- Up to 60% better performance compared to conventional air and dirt separators.
- Extremely low flow resistance resulting in less energy consumption.
- Standard flow speed up to 3 m/s.
- Constant performance during the entire lifespan.
- Low maintenance.

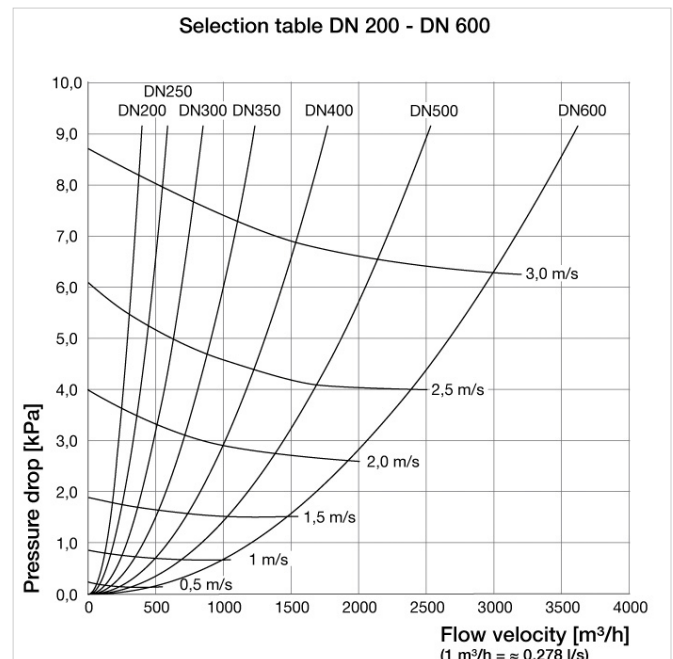
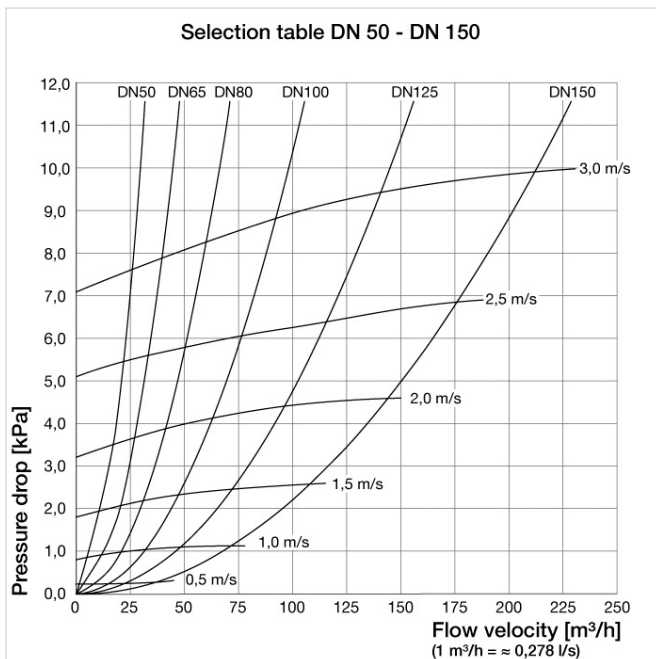
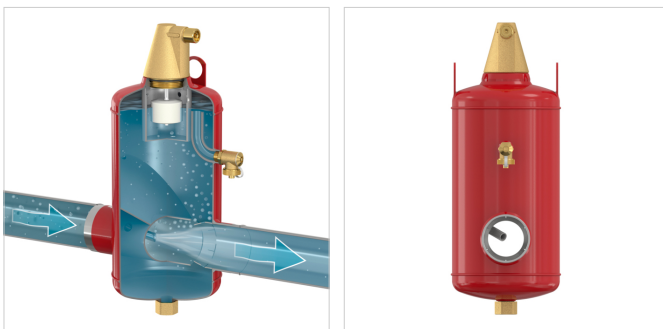
**Technical Specifications**

- 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]				
Flamcovent Smart 50 S	8	50	60.3	472	260	338	175	93	9	1	31101
Flamcovent Smart 65 S	8	65	76.1	472	260	338	175	140	10	1	31102
Flamcovent Smart 80 S	25	80	88.9	612	370	435	270	209	17	1	31103
Flamcovent Smart 100 S	25	100	114.3	612	370	435	270	311	20	1	31104
Flamcovent Smart 125 S	59	125	139.7	740	525	510	360	459	36	1	31105
Flamcovent Smart 150 S	60	150	168.3	740	525	510	360	675	37	1	31106
Flamcovent Smart 200 S	123	200	219.1	975	650	670	450	1340	57	1	31107
Flamcovent Smart 250 S	287	250	273.0	1290	850	892	600	1952	125	1	31108

\*  $K_v = Q / \sqrt{\Delta P}$  Q: Flow [m<sup>3</sup>/h] ΔP: Pressure loss over the product (1 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.



**Find more information online:**

[Installation and operating instruction](#)

[Declaration of conformity - Module A \(<= DN 200\)](#)

[Declaration of conformity - Module B \(> DN 200\)](#)

[CE PED Module D \(> DN 200\)](#)

[Flamcovent Smart S ADSK](#)

[Flamcovent Smart S RFA](#)

[Flamcovent Smart S DWG](#)

[Flamcovent Smart S IPT](#)

[Flamcovent Smart S STEP](#)

[Export catalogue](#)

[Smart DN50 - 600 Brochure](#)

[Specification Text](#)

[Packaging data](#)

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Flamco Limited  
Washway Lane  
UK-WA10 6PB, St Helens, Merseyside - gb

T +44 17 447 447 44

E [info@flamco.co.uk](mailto:info@flamco.co.uk)

I [flamcogroup.com/uk-en](http://flamcogroup.com/uk-en)