

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.

Including a welding connection.

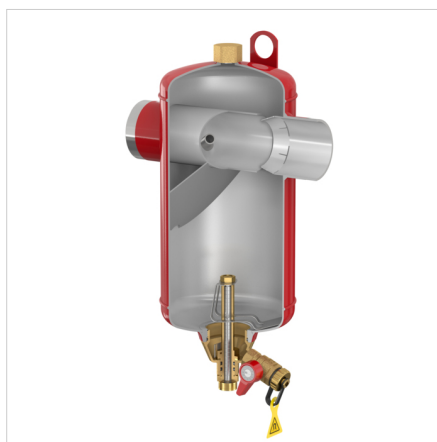
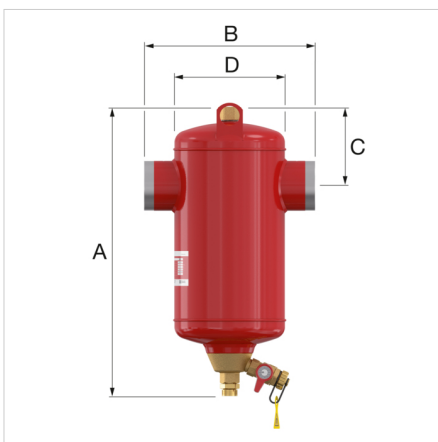



Advantages

- 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 Specifications

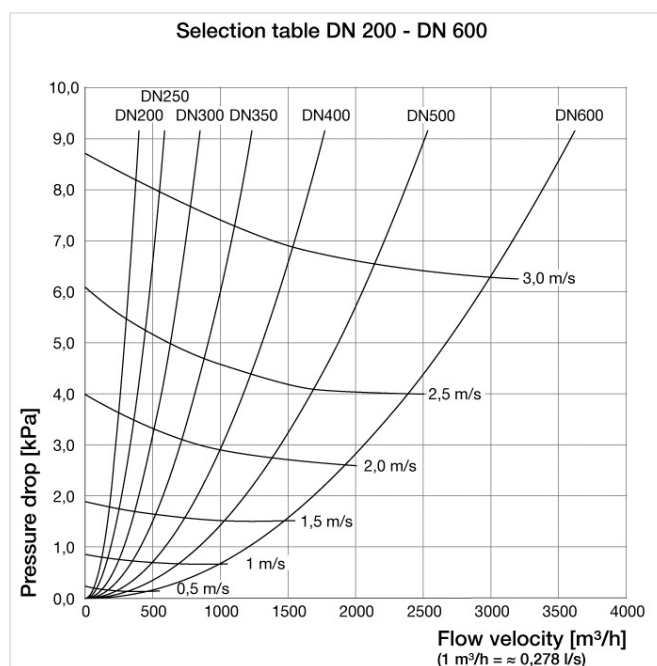
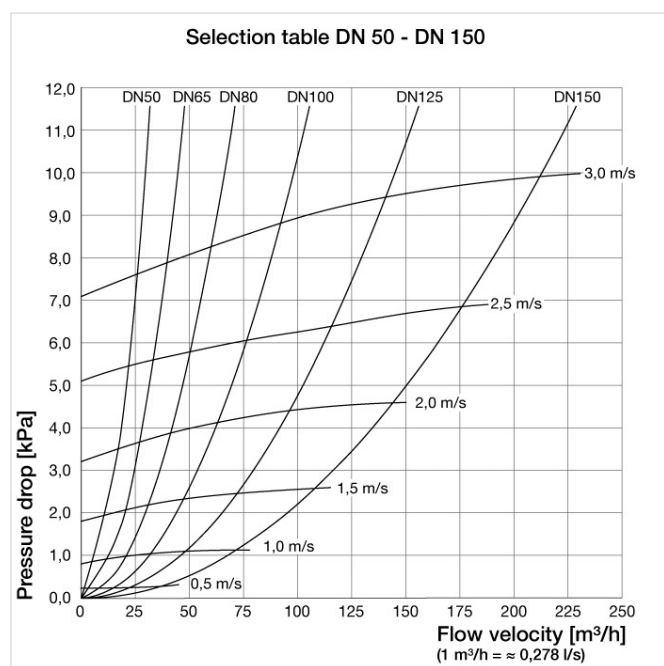
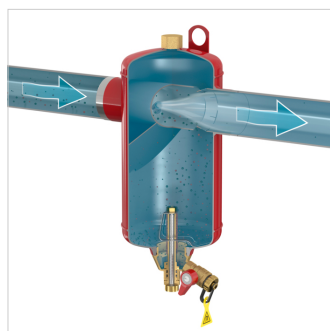
- Maximum working pressure: 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.



| Type | Capacity [l] | Connection | | Dimensions | | | | K_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 50 S | 8 | 50 | 60.3 | 475 | 260 | 129 | 175 | 93 | 9 | 1 | 31121 |
| Flamco Clean Smart 65 S | 8 | 65 | 76.1 | 475 | 260 | 129 | 175 | 140 | 10 | 1 | 31122 |
| Flamco Clean Smart 80 S | 25 | 80 | 88.9 | 620 | 370 | 172 | 270 | 209 | 17 | 1 | 31123 |
| Flamco Clean Smart 100 S | 25 | 100 | 114.3 | 620 | 370 | 172 | 270 | 311 | 20 | 1 | 31124 |
| Flamco Clean Smart 125 S | 59 | 125 | 139.7 | 790 | 525 | 219 | 360 | 459 | 36 | 1 | 31125 |
| Flamco Clean Smart 150 S | 60 | 150 | 168.3 | 790 | 525 | 224 | 360 | 675 | 37 | 1 | 31126 |
| Flamco Clean Smart 200 S | 123 | 200 | 219.1 | 970 | 650 | 361 | 450 | 1340 | 57 | 1 | 31127 |

* $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP : Pressure loss over the product (1 bar)
 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.

** 4 hole flanged version.



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 \(> DN 200\)](#)

[Flamco Clean Smart S ADSK](#)

[Flamco Clean Smart S DWG](#)

[Flamco Clean Smart S IPT](#)

[Flamco Clean Smart S STEP](#)

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[Smart DN50 - 600 Brochure](#)

[Specification Text](#)

[Packaging data](#)

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