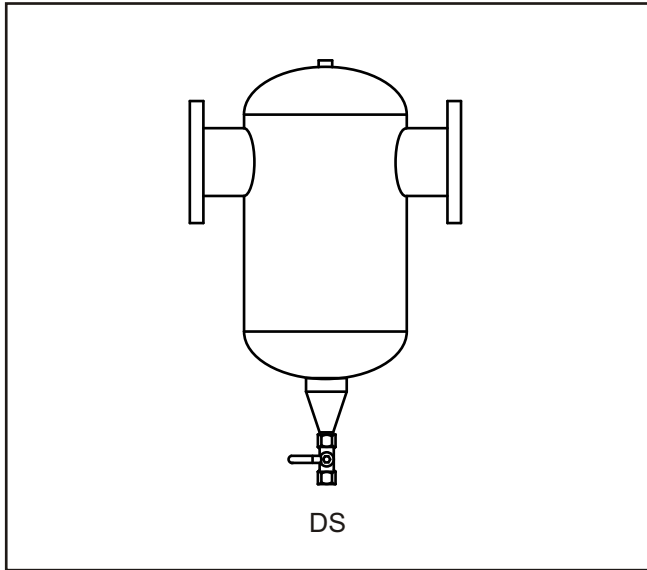


# DIRT SEPARATORS

## Model DS



### APPLICATIONS

Dirt separators are designed to remove dirt from heating and cooling systems.

This model slows the velocity of the water in its enlarged chamber, where the water impacts onto a dynamic concentrator. Dirt particles heavier than water sink to the bottom of the chamber, where they can be drained off periodically through the bottom drain valve.

They can be used accordingly for the following applications:-

- Low Temperature Heating (LTHW)
- Chilled Water (CHW)
- Condenser Water (Cond.W)

Nominal Size DN (mm)	Installation Length (mm)	Overall Height (mm)	Chamber Diameter (mm)	Maximum Flow Rate (l/s)	Product Code (MODEL-SIZE-ENDS)
50	350	525	175	2.9	DS-050-PN16
65	350	525	175	5.0	DS-065-PN16
80	470	670	270	7.5	DS-080-PN16
100	470	670	270	11.8	DS-100-PN16
125	635	840	360	18.4	DS-125-PN16
150	635	840	360	26.5	DS-150-PN16
200	774	1020	450	47.1	DS-200-PN16
250	990	1330	600	73.6	DS-250-PN16
300	1016	1495	600	106.0	DS-300-PN16
350	1214	1640	800	144.3	DS-350-PN16
400	1220	1810	800	188.5	DS-400-PN16
500	1580	2140	1000	294.5	DS-500-PN16
600	1870	2535	1200	424.1	DS-600-PN16
The data above is for non PED and SEP applications only.					

### SPECIFICATION

DS (PN16) - Standard flow rate model having a red powder coated steel vessel with steel flanged connections to BS4504 / EN1092 PN16. With bottom mounted brass drain valve and top mounted plug.

Also available with WELD ends.

Conforms with PED\* 97/23/EC. \*Pressure Equipment Directive.

### OPERATING PARAMETERS

#### Flanged and Weld End models

- Working Temperature = 120 °C.
- Working Pressure = 10 Barg.
- Cold Test Pressure = 15 Barg.
- Max' Water Velocity = 1.5m/s.

NOTE: the above maximum water velocity is recommended for high separation efficiency; water velocities up to 3.0m/s and thus higher flow rates can be accommodated, but this will result in a reduction of separation efficiency and an increase in pressure loss.