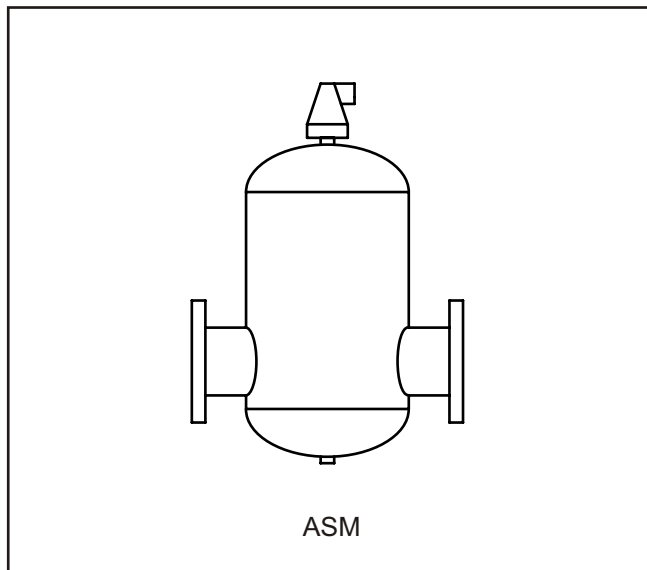


MICRO-BUBBLE AIR SEPARATORS

Model ASM



APPLICATIONS

Micro-bubble air separators are designed to remove air 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. The concentrator merges bubbles and micro-bubbles using the principles of cohesion, which then float to the top from where they are vented to the outside.

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	480	175	2.9	ASM-050-PN16
65	350	480	175	5.0	ASM-065-PN16
80	470	645	270	7.5	ASM-080-PN16
100	470	645	270	11.8	ASM-100-PN16
125	635	805	360	18.4	ASM-125-PN16
150	635	805	360	26.5	ASM-150-PN16
200	774	970	450	47.1	ASM-200-PN16
250	990	1285	600	73.6	ASM-250-PN16
300	1016	1450	600	106.0	ASM-300-PN16
350	1214	1600	800	144.3	ASM-350-PN16
400	1220	1770	800	188.5	ASM-400-PN16
500	1580	2090	1000	294.5	ASM-500-PN16
600	1870	2485	1200	424.1	ASM-600-PN16

The data above is for non PED and SEP applications only.

SPECIFICATION

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