MICRO-BUBBLE AIR & DIRT SEPARATORS
Model ASMD

APPLICATIONS
Micro-bubble air and dirt separators are designed to remove air and 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. 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.

Simultaneously, 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)

SPECIFICATION
ASMD - Standard flow rate model having a red powder coated steel vessel with steel flanged connections to BS4504 / EN1092 PN16. With a top mounted brass fast bleed valve, brass automatic air vent and a bottom mounted brass drain valve. Tested by BSRIA- Report Number 53502.

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

Also available with WELD ends.

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

OPERATING PARAMETERS
Standard Flow Rate Flanged 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, unless you use the High Flow Rate model.

High Flow Rate Flanged and Weld End models
Working Temperature = 120 °C.
Working Pressure = 10 Barg.
Cold Test Pressure = 15 Barg.
Max’ Water Velocity = 3.0m/s.

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

Tel 01423 878888

subject to alteration without notification