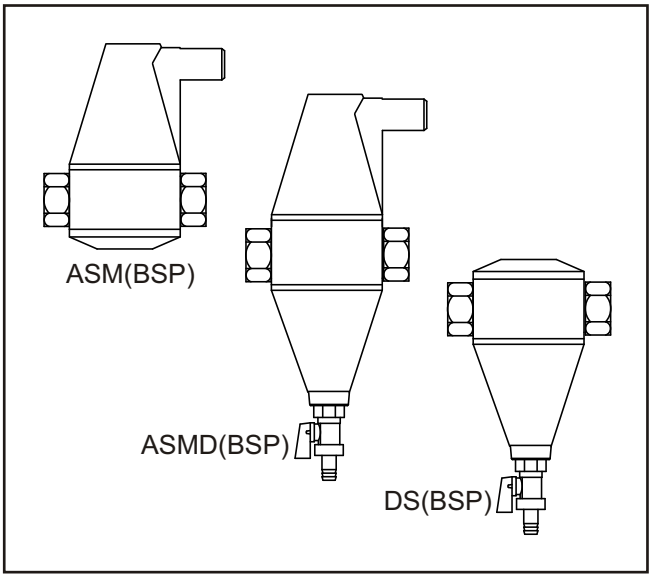
BRASS SEPARATORS (THREADED)
Model ASM, ASMD + DS



APPLICATIONS

Brass separators are designed to remove air, air and dirt, or dirt only from heating and cooling systems.

These models slow the velocity of the water in its enlarged chamber, where the water impacts onto a dynamic concentrator.

For air separation, the concentrator merges bubbles and micro-bubbles using the principles of cohesion, which then float to the top of the brass chamber from where they are vented to the outside.

For dirt separation, the concentrator allows dirt particles heavier than water to sink to the bottom of the brass 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)
Solar Heating Systems

Nominal Size DN (mm)	Installation Length (mm)	Overall Height (mm)	Chamber Diameter (mm)	Maximum Flow Rate (l/s)	Product Code (MODEL-SIZE-ENDS)
22	98	151	71	0.5	ASM-022-COMP
20	88	151	71	0.5	ASM-020-BSP
25	100	171	80	0.7	ASM-025-BSP
32	114	192	87	1.2	ASM-032-BSP
40	114	192	87	2.1	ASM-040-BSP
50	131	214	93	2.9	ASM-050-BSP
22	111	283	71	0.5	ASMD-022-COMP
20	90	283	71	0.5	ASMD-020-BSP
25	104	315	80	0.7	ASMD-025-BSP
32	114	345	87	1.2	ASMD-032-BSP
40	114	345	87	2.1	ASMD-040-BSP
22	114	196	71	0.5	DS-022-COMP
20	88	196	71	0.5	DS-020-BSP
25	100	216	80	0.7	DS-025-BSP
32	114	237	87	1.2	DS-032-BSP
40	114	237	87	2.1	DS-040-BSP
50	131	255	93	2.9	DS-050-BSP

SPECIFICATION

ASM (BSP) - Brass chamber with female threaded connections to BS21 / ISO7. With integral automatic air vent.

ASMD (BSP) - Brass chamber with female threaded connections to BS21 / ISO7. With integral automatic air vent and integral bottom drain valve.

DS (BSP) - Brass chamber with female threaded connections to BS21 / ISO7. With integral bottom drain valve.

Also available with COMPRESSION end connections to BS864 / EN1254 Part 2 at 22mm nominal size.

ASM when suffixed “(SOLAR)” indicates accordance with SOLAR systems, as they incorporate a manual bleed valve for safety, because there is a real risk of the solar fluid turning to vapour in the event of a pressure drop.

OPERATING PARAMETERS

Threaded and Compression End models

Working Temperature	= 120 ºC.
Working Pressure	= 10 Barg.
Cold Test Pressure	= 15 Barg.

SOLAR Systems model

Working Temperature	= 180 ºC.
Max’ Water Velocity	= 1.5m/s.

Flow rates are based on water flow at 1.5m/s velocity through BS1387 / EN10255 Medium Series pipes up to DN50.