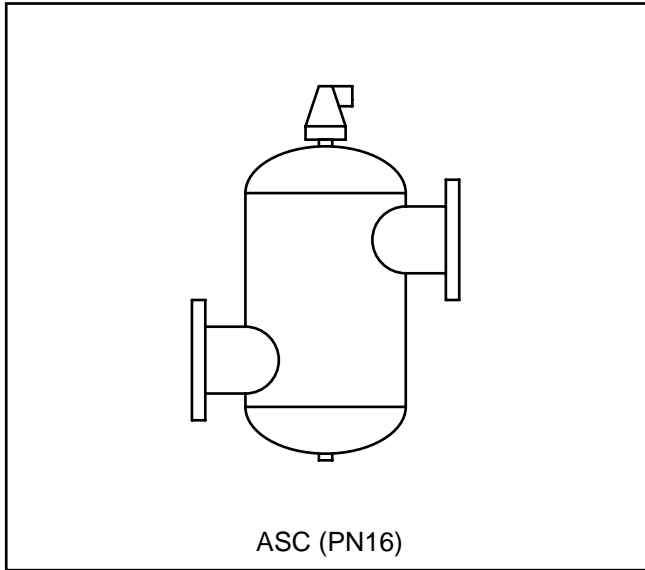


CENTRIFUGAL AIR SEPARATORS

Model ASC



APPLICATIONS

Centrifugal air separators are designed to remove air from heating and cooling systems.

The principle of operation on which this model is based is the established physics of centrifugal force.

This model forces the water to rotate. This action forces the water against the chamber wall, whilst allowing the lighter air bubbles to gather in the centre of the chamber. The bubbles then rise to the top from where they are vented to the outside via an automatic air vent.

Dirt particles heavier than water will collect in the bowl shaped lower section of the air separator. These can be readily removed through the bottom drain plug.

They can be used accordingly for the following applications:-

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

Nominal Size (mm)	Installation Length (mm)	Overall Height (mm)	Chamber Diameter (mm)	Max' Flow Rate (l/s)	Product Code (model-size-ends)
25	290	275	114	0.8	ASC-025-BSP
32	304	275	114	1.5	ASC-032-BSP
40	332	285	124	2.0	ASC-040-BSP
50	340	305	134	3.3	ASC-050-BSP
65	490	475	254	5.5	ASC-065-PN16
80	490	475	254	7.6	ASC-080-PN16
100	675	695	450	13.0	ASC-100-PN16
125	676	695	450	19.8	ASC-125-PN16
150	675	775	450	28.4	ASC-150-PN16
Larger sizes up to 600mm are available on request					

SPECIFICATION

ASC (BSP) - Steel chamber with female threaded end connections to BS21 / ISO7. With top mounted brass automatic air vent and bottom mounted drain plug.

ASC (PN16) - Steel chamber with steel flanged connections to BS4504 PN16. With top mounted brass automatic air vent and bottom mounted drain plug.

Also available with WELD ends from 25mm to 150mm nominal size.

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

OPERATING PARAMETERS

Flanged, Threaded and Weld End models

Working Temperature = 120 °C.
Working Pressure = 10 Barg.
Cold Test Pressure = 15 Barg.

Max' Water Velocity = 1.5m/s.

Flow rates are based on water flow through BS1387 Medium pipes.