

VERTICAL AIR SEPARATORS



OPERATION

Air separators are installed on the upstream side of the bulkmeter to prevent air passing into the metering compartment and giving the wrong measure. Air entrained in the liquid in the form of small bubbles is difficult to remove without the use of a purpose designed air separator. In order to remove entrained air the unit has a large cross sectional area which slows down the liquid and allows plenty of time for air to settle to

- HIGH FLOW RATE
- EFFICIENT REMOVAL OF ENTRAINED AIR
- HIGH CAPACITY AIR RELEASE HEAD
- WORKING PRESSURE 10.5 BAR
- STEEL CONSTRUCTION
- ANSI150 FLANGES

the top of the vessel. This is assisted by a vertical baffle over which the liquid must pass before moving downwards to the outlet.

Air collecting at the top is released by a float operated valve.

A threaded vent connection is provided to connect to an air discharge system if required. The air release head has a two stage float valve to open a large vent, enabling discharge of air. This is particularly important in off loading applications which introduce large volumes of air into the fluid being metered.

The unit can be easily drained or connected to a drain system via a threaded connection at the base.

CONSTRUCTION

The vessel is fabricated in steel.

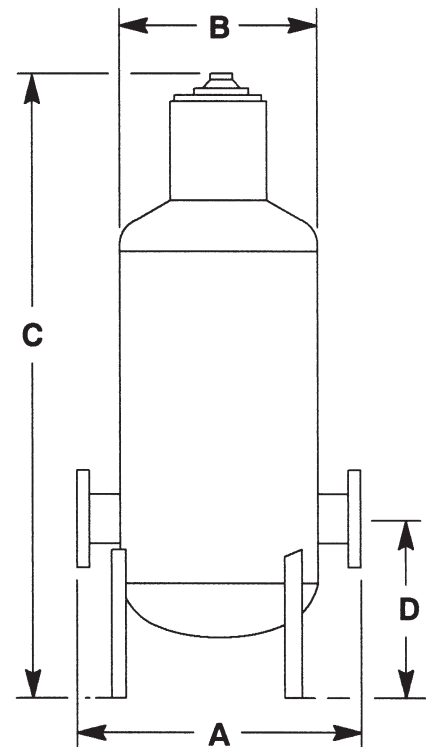
SPECIFICATION

PART NUMBER	PIPE SIZE	MAX FLOW RATE
ASMY 4102	2.5 in	250 gpm / 1140 lpm
ASMY 4103	3 in	450 gpm / 2050 lpm
ASMY 4104	4 in	650 gpm / 3000 lpm
ASMY 4106	6 in	1100 gpm / 5000 lpm

Maximum working pressure (all units) 150 psi (10.5 Bar)
 Test pressure (all units) 250 psi (17.2 Bar)

DIMENSIONS

A	Length (flange face to flange face)	26 in (660 mm)
B	Width	19 in (483 mm)
C	Height (2.5 to 4 in units) (6 in unit)	56 in (1422 mm) 66 in (1676 mm)
D	Ground-pipe centreline	16 in (406 mm)
	Flanges (standard)	ANSI150FF
	Flanges (optional)	ANSI150RF
	Drain connection	1 in BSP
	Vent connection	1 in API taper



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