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Air Eliminator AE – 14 C.I.

Description:

The AE 14 C.I. is a float type air vent for liquid systems. The body and cover are of Cast Iron and the complete unit is readily maintainable.

Available Sizes & end connections:

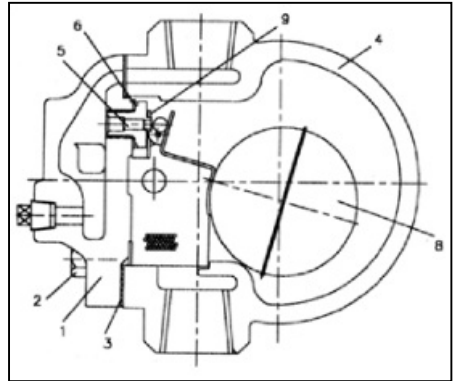
15, 20 & 25NB, screwed - BSPT / NPT

Limiting Conditions:

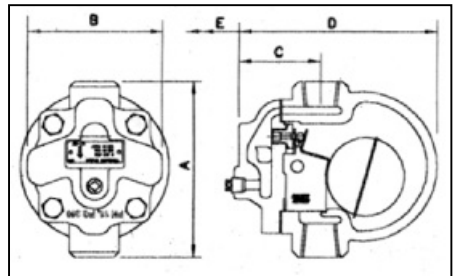
PMA - Max. allowable pressure	= 13.0 Kg/cm ²
TMA - Max allowable temperature	= 220°C
TMO - Max. operating temperature	= 220°C
Cold hydraulic test pressure	= 26.0 Kg/cm ²
ΔPMX - Max. differential pressure	= 13 Kg/cm ²

Materials:

No.	Part	Material	
1	Base	Cast Iron	IS210FG260
2	Cover Bolts	Carbon Steel	H.T.IS1367 Gr8
3	Cover Gasket	Asbestos free Synthetic Fibre	
4	Cover	Cast Iron	IS210FG 260
5	Valve Seat	Stainless Steel	ASTM A 743 Gr. CA 40
6	Valve Seat Gasket	Stainless Steel Type 304	ASTM A 240
7	Set Screws	Stainless Steel Type 304	IS 1364
8	Ball Float & Lever	Stainless Steel Type 304	ASTM A 240 Type
9	Pivot Frame	Stainless Steel Type 304	ASTM A 240



8.1



Installation:

The automatic air vent must be fitted in a vertical plane above the point being vented with the direction of flow as indicated on cover so that the float arm falls and rises vertically. Point arrow on nameplate downwards.

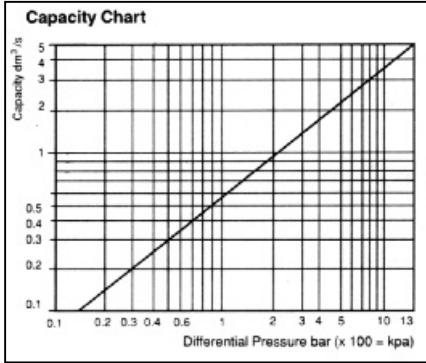
As with all automatic air vent, dribbling may occur if the valve becomes fouled with dirt. For this reason it is recommended that a drip pipe is fitted to the outlet discharging to a safe place. Refer user manual with latest revision for further details.

Dimensions: (approx.) mm

Size	A	B	C	D	E
15/20	130	109	72	152	120
25	141	109	72	160	135

How to Specify:

Example: 20 NB SPIRAX MARSHALL AE14 C.I. screwed BSPT.



Maintenance:

Isolate the air vent. This is simply carried out with the AE 14 C.I. automatic Air Vent by closing the Isolating ball valve.

When reassembling make sure that all joint faces are clean and always use a new cover gasket. Open isolating valve.

How to fit Main Valve Assembly:

Undo cover bolts and lift off base. Remove complete float assembly by undoing the two screws.

Remove main valve seat and replace with a new one supplied with new gasket.

Fit complete new float assembly by tightening the assembly set screw. Refit cover using new gasket.

Spare Parts:

(Refer Fig. below)

The spare parts available are shown in heavy outline.

Parts drawn in broken lines are not supplied as spares.

Available Spares:

Main Valve Assembly A, B, C, D, E, F, T

Set of Gaskets (Packet of 3) B, T

Float assly. C

How to Order Spares:

Always order spares by using the description given in the column headed 'Available Spares' in User Manual.

Recommended tightening torques:

Part Description	Torque (Nm)
Cover Bolts	25-35
Valve Seat	25-35
Set Screw	2.5-3

