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# Air Eliminator AE – 20

**Description:**

AE-20 are Ball float type air or gas eliminators used for liquid systems, with cast steel body, cover and stainless steel internals.

**Available Sizes and Pipe Connections:**

15, 20, 25 NB  
 Screwed BSPT/NPT/Socket weld able to ANSI B 16.11 / Flanged ANSI B 16.5 class 150, 300, 600; BS Table H, J, K, R; DIN ND 10, 16, 25 & 40.

**Note:**

- 1) 15 NB ASA 150 is available only with weld on flanges.
- 2) Flange thickness is common for each size as shown in dimensional details.

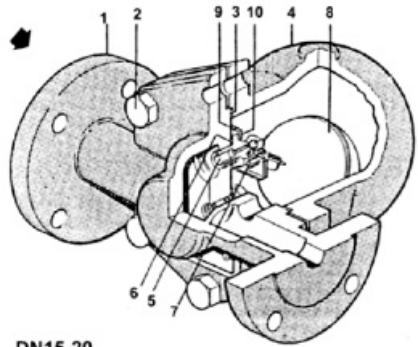
**Available types & Limiting Conditions:**

- AE-20 - 4.5 Max. differential pressure of 4.5 bar.
- AE-20 - 10 Max. differential pressure of 10 bar.
- AE-20 - 14 Max. differential pressure of 14 bar.
- AE-20 - 21 Max. differential pressure of 21 bar.
- AE-20 - 32 Max differential pressure of 32 bar.

Body design conditions : 32.6 kg/cm<sup>2</sup> (32 bar) at 427°C  
 Cold hydraulic test pressure 65.2 kg/cm<sup>2</sup> (64 bar).

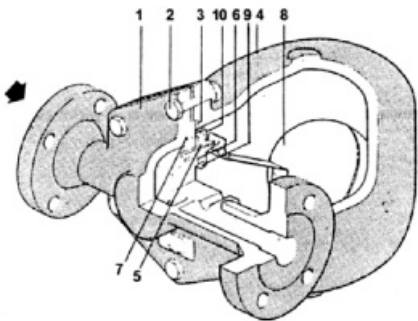
**Material:**

No	Part	Material	Standard
1.	Base	Cast Steel	ASTM A-216 Gr. WCB
2a.	Cover Bolts	Carbon Steel	H.T.IS1367 Gr. 8.8
b.	Cover Nuts	Carbon Steel	H.T.IS1367 Gr.8
3.	Cover Gasket	Reinforced exfoliated graphite	
4.	Cover	Cast Steel	ASTM A-216 Gr. WCB
5.	Valve Seat	Stainless Steel	ASTM A-743 Gr. CA 40
6.	Valve Seat Gasket	Stainless Steel Type 304	ASTM A-240
7.	Pivot Frame Assly.set screws	Stainless Steel	IS-1364
8.	Ball Float & Lever	Stainless Steel Type 304	ASTM A-240
9.	Support Frame	Stainless Steel Type 304	ASTM A-240
10.	Pivot Frame	Stainless Steel Type 304	ASTM A-240



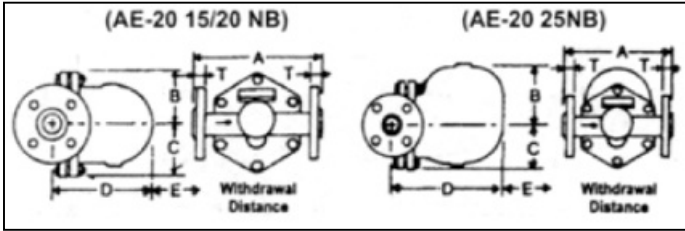
DN15-20

8.1

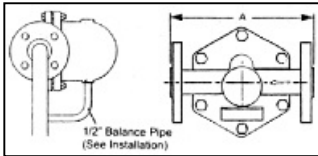


DN 25

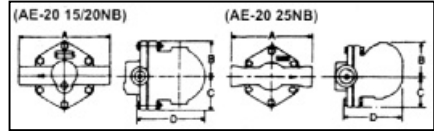
## Flanged



## Installation



## Screwed / Socket Weldable



## How to Specify:

Example: 15 NB BSPT AE-20. 4.5 bar

## Installation:

The arrow on the name plate must point downwards.  
The arrow, on casting indicates the flow direction.

## Servicing:

**Main Valve Assy:** Unscrew cover bolts and lift off the cover. Remove complete float assembly by undoing the two screws on the pivot frame, main valve seat and gasket and if damaged replace with a new one. Fit support frame and pivot frame by using two set screws but do not tighten full. Place the float arm and complete the assembly by placing the pin. Now tighten the set screws. Refit the cover.

## Spare Parts:

The available spare parts are shown in heavy outline. Parts drawn in broken line are not available as spares. Mention trap size, type and differential pressure while ordering spares.  
For Codes Ref. User Manual

## Dimensional Details: (approx) in mm.

### Flanged

Size	A	B	C	D	E	T
15/						
20NB	230	84	84	172	120	23
25 NB	222	111	64	203	160	
GEN TOL. $\pm 3$						

### Screwed/Socket Weldable -

Size	A	B	C	D	E	T
15/						
20NB	230	84	84	172	120	-
25 NB	240	111	64	203	160	-
GEN TOL. $\pm 3$						

## Available Spares:

Main Valve Assembly with Float	A,B,C,D,E,F,G
Sets of Gaskets (Pkt of 3)	F
Float	C

