

AIR ELIMINATORS FOR WATER SYSTEMS

AE 20

(Carbon Steel)

DESCRIPTION

The AE20 carbon steel air eliminator removes air from hot and superheated water systems and is also suitable for all liquids compatible with the construction, providing that their specific gravity is not less than 0,65 Kg/dm³.

This ball float type automatic air eliminator can be used in combination with other air elimination and separation systems or directly applied at high points in the piping.

Connections are female screwed or flanged for horizontal or vertical installation.

MAIN FEATURES

Corrosion-resistant working parts.

Replaceable internal parts.

OPTIONS: Internal strainer (only on horizontal models).

USE: Cold, hot and superheated water systems.

AVAILABLE

MODELS: AE 20-21

SIZES: 1/2" - 3/4", DN 15, DN 20, DN25.

CONNECTIONS: Female screwed ISO 7/1Rp(BS21).

Flanged DIN. Special flanges upon request.

INSTALLATION: Horizontal or vertical installation (on request). It must be installed with the float lever in horizontal plane, so that it rises and falls vertically. It should be installed at the points in the plant where the air tends to collect.

The drain should be piped to a safe position.

See IMI installation and maintenance instructions.

PMA: Max. allowable pressure 40 bar

TMA: Max. allowable temperature 400 °C

PMO: Max. operating pressure 32 bar

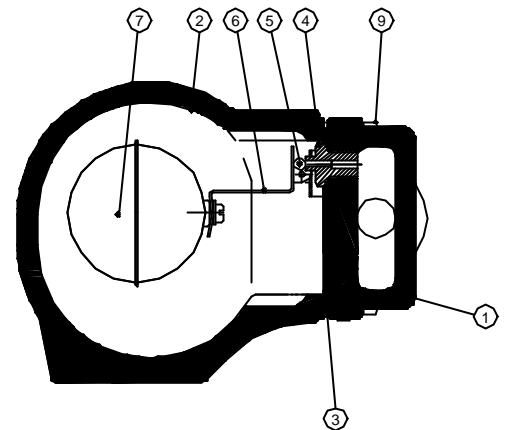
TMO: Max. operating temperature 200 °C

APPLICATION LIMITS

Minimum liquid specific weight : 0.65 Kg/dm³

AE20-21 -Max. differential pressure: 21 bar

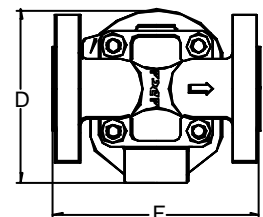
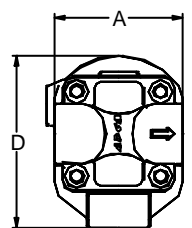
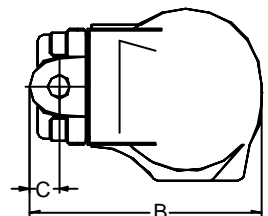
How to order: i.e. AE20 DN 3/4" BSP.



MATERIALS:

POS.NR.	DESIGNATION	MATERIAL
1	BODY	GS C-25
2	COVER	GS C-25
3 *	GASKET	NON ASBESTOS
4 *	SEAT	AISI 410
5 *	VALVE	VITON
6 *	LEVER	AISI 304
7 *	FLOAT	AISI 304
9	BOLTS	STEEL 8.8

* AVAILABLE SPARE PARTS



DIMENSIONS (mm)

SIZE	Screwed Ends					DIN Flanges	
	A	B	C	D	WEIGHT	F	WEIGHT
DN					Kg		Kg
1/2"	95	178	23	128	5,2	150	6,7
3/4"	95	178	23	128	5,2	150	7,2
1"	95	178	23	128	5,2	160	7,7

FLOW RATE CAPACITY IN N l/min

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		0.5	1	1.5	2	3	4	6	8	10	15	21
AE20-21	1/2" - 1"	18	32	45	55	75	90	130	180	210	300	430

Capacities at a standard atmospheric pressure of 1bar and 20°C.

If the temperature differs from 15°C, the discharge capacity can be corrected by multiplying it by: $\frac{288}{273 + T}$, where T is the actual temperature in °C.