Air eliminators

DIN PN 16 —— **DN 15 to 25mm**
ANSI 125 —— **1/2" to 1"**

TL 11, 11P

Application

For deaeration of liquid lines, through the float mechanism that modulates the seat opening, possible to see the elimination of the air pockets that endanger the liquid circulation.

Main characteristics

- Internal mechanism simplicity, which facilitates, greatly, cases of maintenance;
- Minimum maintenance.

Presentation

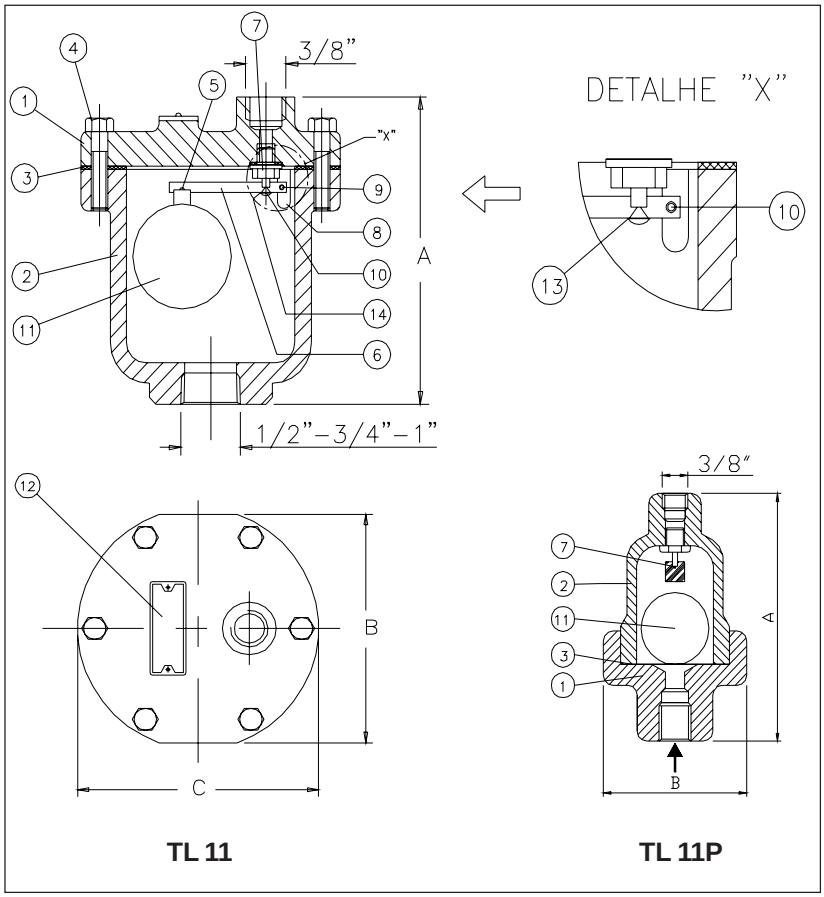
Air eliminator composed of: body, cover, and internal mechanism (assembly) of sealing.

Installation

The TL 11 air eliminator must be installed in high places or end oflines, where there is greater accumulation of air. A ball valve must be forecasted before the eliminator to facilitate maintenance operations when necessary.

Operation

The air contained in the system is drained to the outside enviroment through the seat orifice. The closing occurs imediattely upon the arrival of the liquid inside the air eliminator. The closing happpens through the internal mechanism, that, with the raising float, presses the needle against the seat.



TL 11 **TL 11P**

Technical competence, materials and connections

		TL 11P	TL 11
Nominal Diameter	(mm)	15 20	25
	(pol)	1/2" 3/4"	1"
Max.service pressure.	(bar man.)	13	16
Max. correspondent temp.	(°C)	100	200

Materials

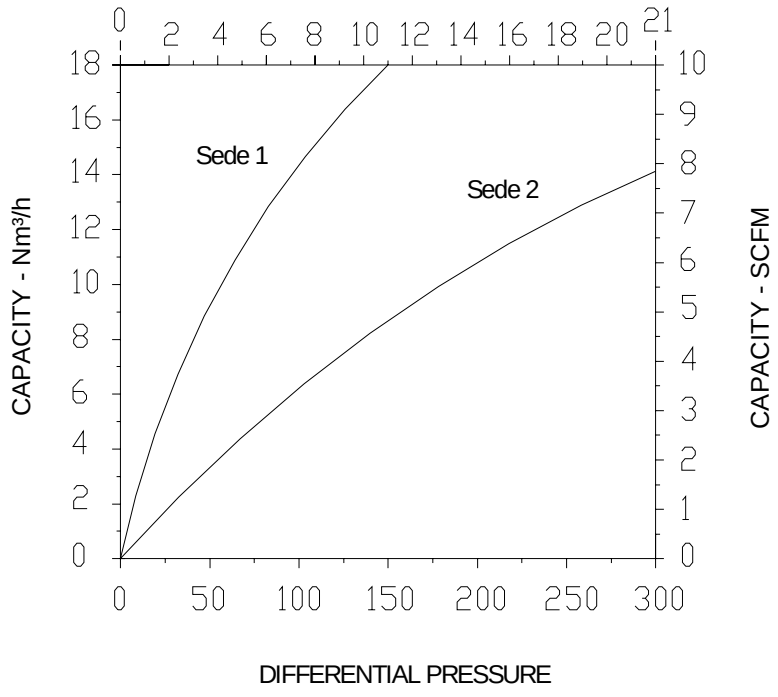
Nº	Description	Quant.	Specification	
1	Cover	1	ASTM A 126 B	ASTM A 126 B
2	Body	1	ASTM A 126 B	ASTM A 126 B
3	Gasket	1*	Hidraulic cardboard	Hidraulic cardboard
4	Hex. head screw	6	-	Carbon steel
5	Round head screw	1	-	AISI 304
6	Lever	1	-	AISI 304
7	Seat	1*	AISI 304	AISI 304
8	Support	1	-	AISI 304
9	Axle	1	-	AISI 304
10	Needle	1	-	AISI 304
11	Float	1	Polyethylene	AISI 304
12	Label and rivets	1+2	Aluminium	Aluminium
13	Shutter	1	-	Zinced carbon steel
14	Retaining ring	1*	-	AISI 304
Connections			Thread BSP / NPT	

*Recommended spare parts

Measures and weights

Model	TL 11P	TL 11
Measures (mm)		
A	140	139
B	76	108
C	-	129
Approx. weight. (kg)	1,50	2,80

Capacity chart TL 11



Flow chart

ASCA TL 11 air eliminator can be supplied with two differents seats, can be seen on the capacity chart on the left. According to the pressure differtential, the fllow and the process flow, seat 1 or seat 2 is chosen.

Data for sizing

ASCA will make pleasure the sizing.
For this purpose must be supplied:
- Service pressure;
- Type of seat (1 or 2);
- Type of forecasred connection;
- Nominal diameter of the eliminator.

Standard specification

Thermal-thermodynamic steam traps fore steam
Model TL 11.....from ASCA
According to prospect PR-01.80.10-I
Connections.....
Type of seat .....
As per norm .....
Pressure class .....
Nominal diameter .....

Flow tableTL11P

Differential pressure (bar)	0,5	1	2	4	6	9	10
Capacity (Nm³/h)	0,9	1,6	3,0	5,0	7,1	9,8	10,5

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