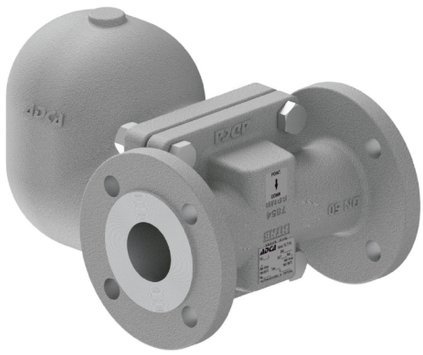
Trampa de Vapor Flotador FLT14I

FLOAT AND THERMOSTATIC STEAM TRAPS
FLT14I
(11/2” – 2”; DN 40 – DN 50)

DESCRIPTION

The FLT14I float and thermostatic (integral air vent) steam traps series are designed for all types of low and high pressure steam heating and process equipment.
Typical applications include unit heaters, heat exchangers, driers, jacketed vessels and all the applications where continuous drainage is essential.



MAIN FEATURES

Modulating discharge.
Discharges condensate at steam temperature.
Unaffected by sudden or wide load and pressure changes.
Excellent air discharge (by thermostatic air vent).

OPTIONS: SLR – steam lock release.
Equalizing plug or vent connection.

USE: Saturated and superheated steam.

AVAILABLE MODELS: FLT14I-4,5 , 10 and 14 – stainless steel.

SIZES: 11/2” to 2”; DN 40 to DN 50.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-1 PN 16.
Flanged ASME B16.5 Class 150.
Socket weld (SW) ASME 16.11.
Butt weld (BW) ASME B16.25 on request.

INSTALLATION: Standard horizontal installation – from right to left (R-L). See IMI.
On request: Horizontal installation with the flow from left to right (L-R) or vertical with the flow from top to bottom (V).

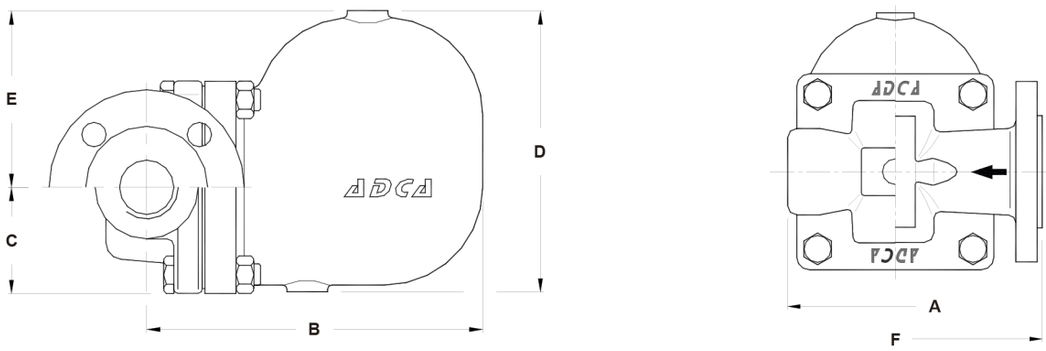
MAX. ΔP: FLT14I-4,5 – 4,5 bar
FLT14I-10 – 10 bar
FLT14I-14 – 14 bar

CE MARKING – GROUP 2 (PED – European Directive)	
PN 16	**Category**
11/2” to 2” – DN 40 to 50	SEP

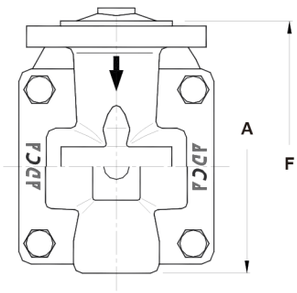
BODY LIMITING CONDITIONS		
FLANGED PN 16 *	**FLANGED CLASS 150 ****	**RELATED TEMP.**
ALLOWABLE PRESSURE	**ALLOWABLE PRESSURE**	
16 bar	16 bar	100 ºC
14,5 bar	14,8 bar	150 ºC
13,4 bar	13,6 bar	200 ºC
12,7 bar	12 bar	250 ºC

PMO – Maximum operating pressure: 14 bar;
TMO – Maximum operating temperature: 198 ºC.
* Acc. to EN 1092-1:2018; ** Acc. to EN 1759-1:2004.
Body limiting conditions PN 16 or below, depending on the type of connection adopted. Rating PN 16 for threaded, SW and BW versions.

FLOW RATE CAPACITY (kg/h)										
MODEL	**SIZE**	**DIFFERENTIAL PRESSURE (bar)**								
		0,5	**1**	**1,5**	**2**	**4,5**	**7**	**10**	**12**	**14**
FLT14I-4,5	**11/2” to 2” DN 40 to 50**	2400	3400	3900	4500	7300	–	–	–	–
FLT14I-10	**11/2” to 2” DN 40 to 50**	1500	2000	2600	3000	4000	5400	6200	–	–
FLT14I-14	**11/2” to 2” DN 40 to 50**	950	1300	1600	1800	2600	3250	3900	4210	4950



Horizontal Installation (R-L)



Vertical Installation (V)

DIMENSIONS (mm)												
THREADED / SW							PN 16			CLASS 150		
SIZE	A	B	C	D	E	WEIGHT (kg)	F	B	WEIGHT (kg)	F	B	WEIGHT (kg)
11/2" – DN 40	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1
2" – DN 50	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5

MATERIALS		
POS. Nº	DESIGNATION	MATERIAL
1	Body	A351 CF8M / 1.4408
2	Cover	A351 CF8M / 1.4408
3	* Gasket	Stainless steel / Graphite
4	* Seat	A351 CF8 / 1.4308
5	* Valve	AISI 420 / 1.4021
6	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8	* Air vent	Stainless st. (bimetallic)
9	Bolts	Stainless steel A2-70

* Available spare parts.

