

FLOAT AND THERMOSTATIC STEAM TRAPS

FLT32

(11/2" – 2"; DN 40 – DN 50)

DESCRIPTION

The FLT32 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: FLT32-4,5 , 10, 14 and 21 – carbon steel.

SIZES: 11/2" to 2"; DN 40 to DN 50.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-1 PN 40.
Flanged ASME B16.5 Class 150 or 300.
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: FLT32-4,5 – 4,5 bar
FLT32-10 – 10 bar
FLT32-14 – 14 bar
FLT32-21 – 21 bar



BODY LIMITING CONDITIONS

FLANGED PN 40 / CLASS 300 *	FLANGED CLASS 150 **	RELATED TEMP.
ALLOWABLE PRESSURE	ALLOWABLE PRESSURE	
37,1 bar	15,4 bar	100 °C
33,3 bar	13,8 bar	200 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO – Maximum operating pressure 32 bar;

TMO – Maximum operating temperature 250 °C.

* Acc. to EN 1092-1:2018; ** Acc. to EN 1759-1:2004.

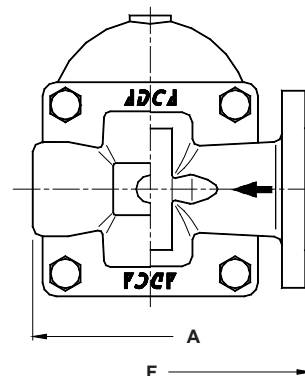
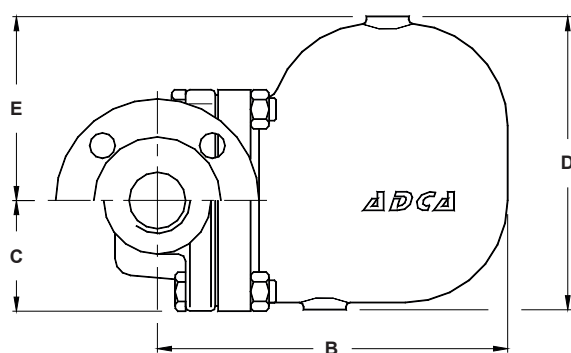
Body limiting conditions PN 40 or below, depending on the type of connection adopted. Rating PN 40 for threaded, SW and BW versions.

CE MARKING – GROUP 2 (PED – European Directive)

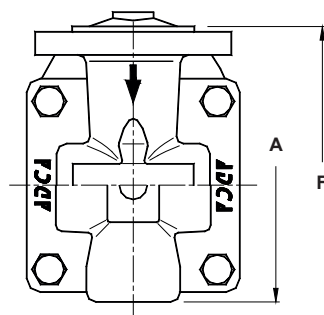
PN 40	Category
11/2" to 2" – DN 40 to DN 50	1 (CE marked)

FLOW RATE CAPACITY (kg/h)

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		0,5	1	1,5	2	4,5	7	10	12	14	16	21
FLT32-4,5	11/2" to 2" – DN 40 to 50	2400	3400	3900	4500	7300	–	–	–	–	–	–
FLT32-10	11/2" to 2" – DN 40 to 50	1500	2000	2600	3000	4000	5400	6200	–	–	–	–
FLT32-14	11/2" to 2" – DN 40 to 50	950	1300	1600	1800	2600	3250	3900	4210	4950	–	–
FLT32-21	11/2" to 2" – DN 40 to 50	950	1300	1600	1800	2600	3250	3900	4210	4950	5000	5600



Horizontal Installation (R-L)



Vertical Installation (V)

DIMENSIONS (mm)															
THREADED / SW							PN 40			CLASS 150			CLASS 300		
SIZE	A	B	C	D	E	WGT. (kg)	F	B	WGT. (kg)	F	B	WGT. (kg)	F	B	WGT. (kg)
1 1/2" – DN 40	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1	230	248	22,1
2" – DN 50	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5	230	248	22,3

MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
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	Steel 8.8

* Available spare parts.

