

FLOAT AND THERMOSTATIC STEAM TRAPS

FLT32

(2"HC – DN 50HC)

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: 2"HC; DN 50HC.

CONNECTIONS: Flanged EN 1092-1 PN 40.
Flanged ASME B16.5 Class 150 or 300.

INSTALLATION: Standard horizontal installation – from right to left (R-L). See IMI – Installation and maintenance instructions.
On request: Horizontal installation with the flow from left to right (L-R).

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.

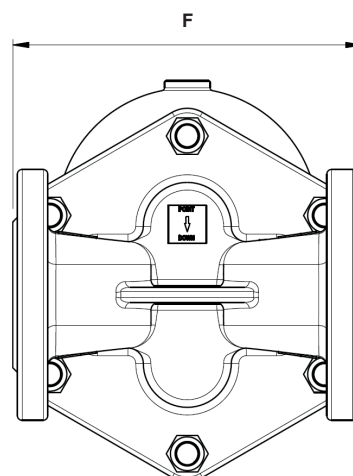
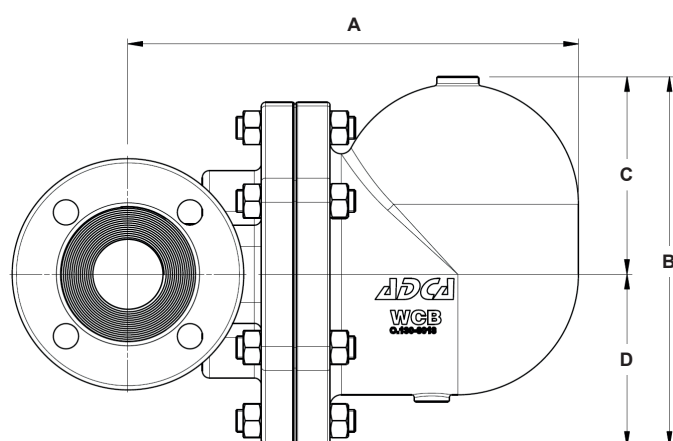
Body limiting conditions PN 40 or below, depending on the type of connection adopted.

CE MARKING – GROUP 2 (PED – European Directive)

PN 40	Category
2"HC – DN 50HC	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	2"HC – DN 50HC	7550	11000	14000	15500	22500	–	–	–	–	–	–
FLT32-10	2"HC – DN 50HC	3900	5000	6100	7100	10000	13750	16000	–	–	–	–
FLT32-14	2"HC – DN 50HC	1900	2700	3100	3600	5000	6900	8100	9000	9800	–	–
FLT32-21	2"HC – DN 50HC	1900	2700	3100	3600	5000	6900	8100	9000	9800	10050	11150



DIMENSIONS (mm)												
PN 40 / CLASS 300							CLASS 150					
SIZE	A	B	C	D	F	WEIGHT (kg)	A	B	C	D	F	WEIGHT (kg)
2"HC – DN 50HC	321	264	141	123	230	37,5	321	264	141	123	230	35,7

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.

