

FLOAT AND THERMOSTATIC STEAM TRAPS FLT17 (1"HC; DN 25HC)

DESCRIPTION

The FLT17 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: FLT17-4,5 , 10 and 14 – SG iron.

SIZES: 1"HC; DN 25HC.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-2 PN 16.
Flanged ASME B16.42 Class 150.

INSTALLATION: Standard horizontal installation – from left to right (L-R). See IMI – Installation and maintenance instructions.

On request: Horizontal installation with the flow from right to left (R-L) or vertical with the flow from top to bottom (V).

MAX. ΔP: FLT17-4,5 – 4,5 bar
FLT17-10 – 10 bar
FLT17-14 – 14 bar



BODY LIMITING CONDITIONS

FLANGED PN 16 *	FLANGED CLASS 150 **	RELATED TEMP.
ALLOWABLE PRESSURE	ALLOWABLE PRESSURE	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO – Maximum operating pressure 14 bar;
TMO – Maximum operating temperature 198 °C.

* Acc. to EN 1092-2:2018 ; ** Acc. to EN 1759-1:2004.

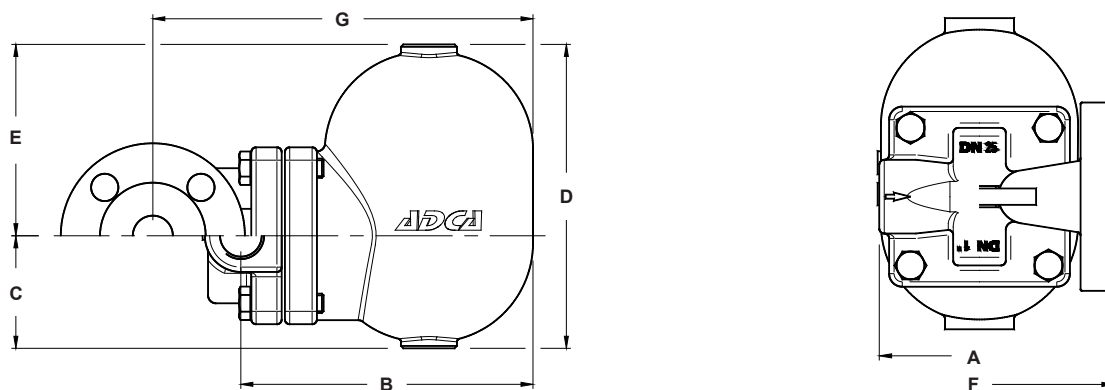
Body limiting conditions PN 16 or below, depending on the type of connection adopted. Rating PN 16 for threaded version.

CE MARKING – GROUP 2 (PED – European Directive)

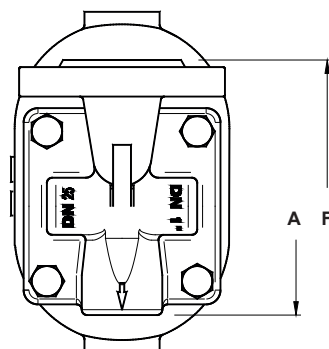
PN 16	Category
1"HC – DN 25HC	SEP

FLOW RATE CAPACITY (kg/h)

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)															
		0,1	0,3	0,5	0,7	1	1,5	2	3	4,5	6	7	8	9	10	12	14
FLT17-4,5	1"HC – DN 25HC	420	690	900	1070	1250	1450	1700	2010	2400	–	–	–	–	–	–	–
FLT17-10	1"HC – DN 25HC	360	405	450	530	620	790	880	1100	1250	1500	1600	1700	1750	1800	–	–
FLT17-14	1"HC – DN 25HC	270	310	340	395	435	530	600	610	850	990	1100	1190	1240	1300	1350	1380



Horizontal Installation (L-R)



Vertical Installation (V)

DIMENSIONS (mm)												
THREADED							PN 16			CLASS 150		
SIZE	A	B	C	D	E	WEIGHT (kg)	F	G	WEIGHT (kg)	F	G	WEIGHT (kg)
1"HC – DN 25HC	120	195	80	190	110	9	160	248	11,3	160	248	10,9

MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	* Gasket	Stainless steel / Graphite
4	* Seat	AISI 410 / 1.4006
5	* Valve	AISI 440C / 1.4125
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.

