

FLOAT AND THERMOSTATIC STEAM TRAPS FLT50 and FLT65

DESCRIPTION

The FLT50S and FLT65S float and thermostatic steam traps series (with integral air vent) 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: Equalizing plug or vent connection.

USE: Saturated and superheated steam.

AVAILABLE MODELS:

FLT50S – carbon steel.
FLT65S – carbon steel.

SIZES: FLT50S – 2" to 2 1/2"; DN 50 to DN 65.
FLT65S – 2 1/2" to 4"; DN 65 to DN 100.

CONNECTIONS: Flanged EN 1092-1 PN 16.
Flanged ASME B16.5 Class 150.

INSTALLATION: Horizontal standard installation with vertical inlet and horizontal outlet.
See IMI – Installation and maintenance instructions.



FLT50S



FLT65S

BODY LIMITING CONDITIONS *	
FLANGED PN 16 / CLASS 150 ALLOWABLE PRESSURE	RELATED TEMPERATURE
14,8 bar	100 °C
13,3 bar	200 °C
12,1 bar	250 °C
11 bar	300 °C

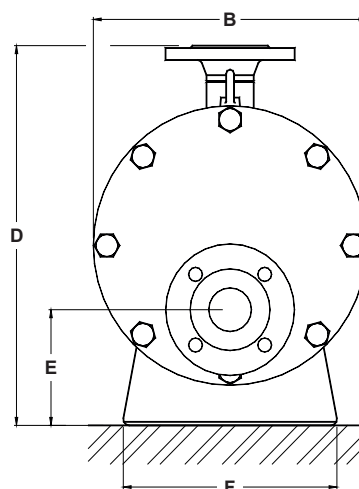
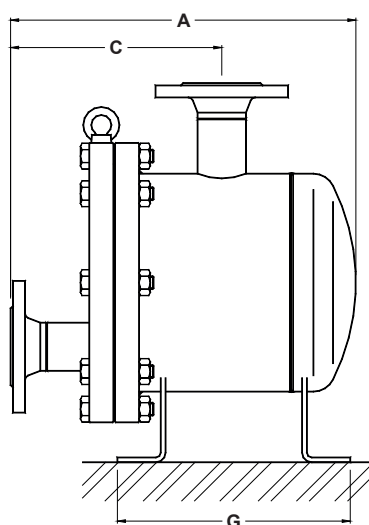
PMO – Max. operating pressure: 12 bar;
TMO – Max. operating temperature: 250 °C.
* According to EN 1092-1:2018.

CE MARKING – GROUP 2 (PED – European Directive)

PN 16	Category
2" to 4" – DN 50 to DN 100	2 (CE marked)

FLOW RATE CAPACITY (kg/h)

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)															
		0,1	0,3	0,5	1	1,5	2	2,5	3	3,5	4	5	6	7	8	10	12
FLT50S	2" to 2 1/2" DN 50 to 65	7500	10000	11300	12500	13500	15000	16000	17500	18500	20000	20500	21500	22000	22500	23000	23500
FLT65S	2 1/2" to 4" DN 65 to 100	18800	22700	24500	29000	31000	34000	37000	38000	39500	42000	43500	45500	47000	48000	49500	50000



DIMENSIONS (mm)

MODEL	SIZE	A	B	C	D	E	F	G	VOLUME (L)	WEIGHT (kg)
FLT50S	2" – DN 50	430	350	250	480	145	275	290	14,4	59
FLT50S	2 1/2" – DN 65	460	350	280	480	145	275	290	14,8	60
FLT65S	2 1/2" – DN 65	475	440	255	570	160	360	360	26,5	96,6
FLT65S	3" – DN 80	506	440	286	570	160	360	360	27	98,5
FLT65S	4" – DN 100	520	440	300	570	160	360	360	28	100,5

MATERIALS

POS. N°	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460; P235GH / 1.0345; S355J2G3 / 1.0570; S235JRG2 / 1.0038
2	Cover	P235GH / 1.0345; P265GH / 1.0425; S355J2G3 / 1.0570
3	* Gasket	Graphite
4	* Seat	A351 CF8 / 1.4308
5	* Valve	AISI 420 / 1.4021; A351 CF8M / 1.4408
6	* Lever	AISI 316 / 1.4401; AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8	* Air vent	Stainless st. (bimetallic)
9	Bolts	Steel 8.8

* Available spare parts.

