FLOAT AND THERMOSTATIC STEAM TRAPS
FLT120

DESCRIPTION

The FLT120S float and orifice steam traps series are designed for all types of low 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.
Specially designed for the sugar industry where extremely high flow rates are involved.

MAIN FEATURES

Modulating discharge.
Discharges condensate at steam temperature.
Unaffected by sudden or wide load and pressure changes.

OPTIONS: Special designs.

USE: Saturated steam.

AVAILABLE MODELS: FLT120S – carbon steel.

SIZES: 6"; DN 150.

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

INSTALLATION: Horizontal standard installation.
See IMI – Installation and maintenance instructions.

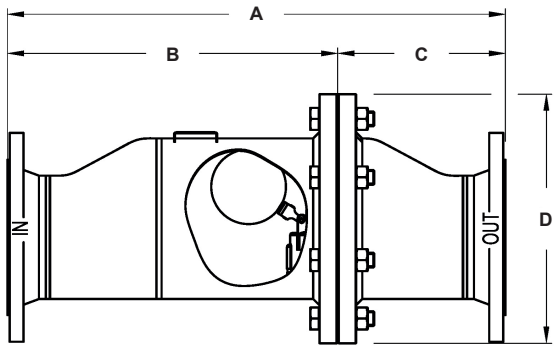
CE MARKING – GROUP 2 (PED – European Directive)	
PN 16	**Category**
6" – DN 150	2 (CE marked)

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

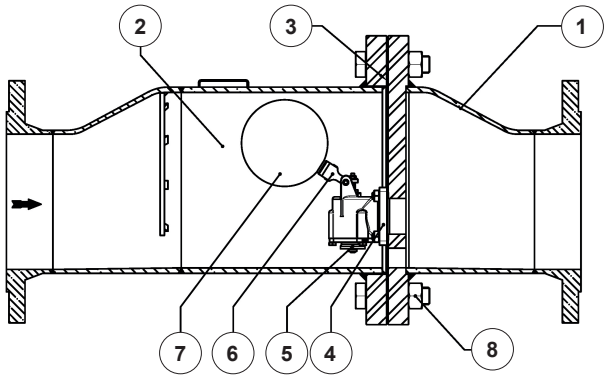
PMO – Maximum operating pressure: 4 bar;
TMO – Maximum operating temperature: 250 ºC.
* According to EN 1092-1:2018.

FLOW RATE CAPACITY WITH SINGLE MECHANISM AND ORIFICE (kg/h)								
Orifice Nº	**O1**		**O2**		**O3**		**O4**	
Differential Pressure (bar)	**Maximum**	**Minimum ***	**Maximum**	**Minimum ***	**Maximum**	**Minimum ***	**Maximum**	**Minimum ***
0,1	14000	6200	19000	10500	22000	13500	26000	17500
0,3	24000	10500	33000	18000	36000	22000	42000	28500
0,7	35000	15500	48000	26500	55000	34000	61000	41500
1	40000	17000	56000	31000	61000	37500	70000	47500
1,5	48000	21500	63000	35000	71000	44000	83000	56500
2	56000	24500	72000	39500	82000	51000	98000	66500
3	65000	28500	89000	49000	98000	60500	120000	81500
4	72000	31000	98000	54000	115000	72000	130000	88500

* The minimum flow rate is necessary to ensure that the orifice does not waste steam.



DIMENSIONS (mm)					
SIZE	**A**	**B**	**C**	**D**	**WEIGHT (kg)**
6" – DN 150	680	450	230	340	68



MATERIALS		
POS. Nº	**DESIGNATION**	**MATERIAL**
1	Body	P250GH / 1.0460; P235GH / 1.0345; S355J2G3 / 1.0570; S235JRG2 / 1.0038
2	Cover	P250GH / 1.0460; P235GH / 1.0345; S355J2G3 / 1.0570; S235JRG2 / 1.0038
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	Bolts	Steel 8.8

* Available spare parts.