

FLOAT AND THERMOSTATIC STEAM TRAPS FLT22G/TW

DESCRIPTION

The FLT22G/TW 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).

USE: Saturated and superheated steam.

AVAILABLE

MODELS: FLT22G/TW-4,5 , 10 and 14 – carbon steel body, SG iron covers.
FLT22GS/TW-4,5 , 10 and 14 – carbon steel body and covers.

SIZES: 3" to 4"; DN 80 to DN 100.

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

INSTALLATION: Standard horizontal installation.
Vertical on request.
See IMI – Installation and maintenance instructions.

MAX. ΔP : FLT22G/TW-4,5 – 4,5 bar
FLT22G/TW-10 – 10 bar
FLT22G/TW-14 – 14 bar
Remark: the same figures are valid for the FLT22GS/TW.



BODY LIMITING CONDITIONS *

FLANGED PN 16 / CLASS 150 ALLOW. PRESS.	RELATED TEMPERATURE
14,8 bar	100 °C
14 bar	150 °C
13,3 bar	200 °C
12,1 bar	250 °C

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

* According to EN 1092-1:2018.

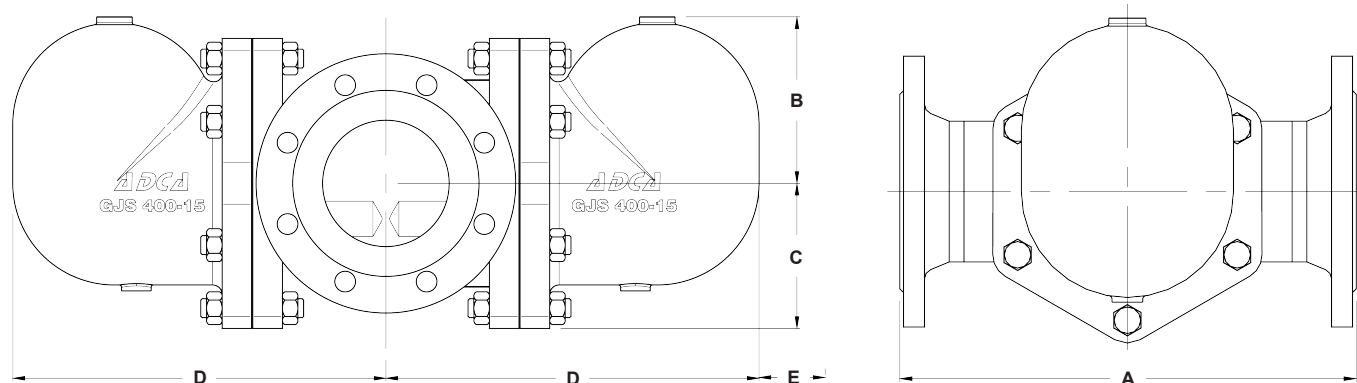
CE MARKING – GROUP 2 (PED – European Directive)

PN 16	Category
DN 80 to DN 100	1 (CE marked)

FLOW RATE CAPACITY (kg/h)

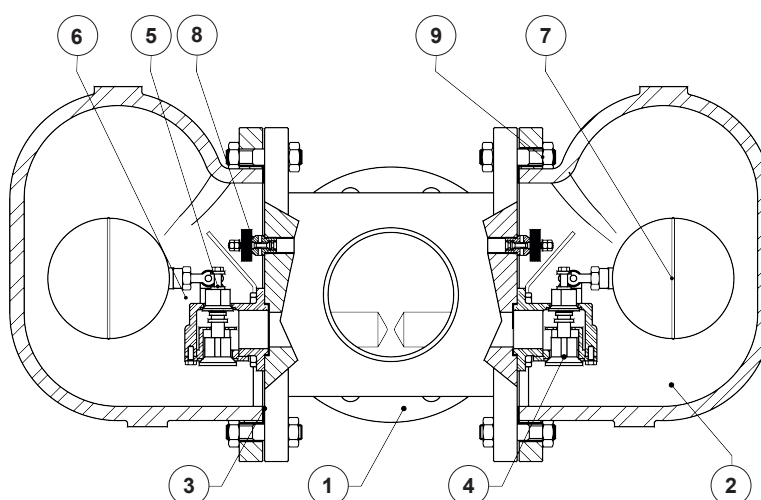
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)								
		0,5	0,7	1	1,5	2	4,5	7	10	14
FLT22G/TW-4,5	3" to 4" – DN 80 to 100	15100	18100	22000	28000	31000	45000	–	–	–
FLT22G/TW-10	3" to 4" – DN 80 to 100	7800	8900	10000	12200	14200	20000	27500	32000	–
FLT22G/TW-14	3" to 4" – DN 80 to 100	3800	4600	5400	6200	7200	10000	13800	16200	19600

Remark: the same figures are valid for the FLT22GS/TW.



DIMENSIONS (mm)

SIZE	A	B	C	D	E	WEIGHT (kg)
3" – DN 80	350	141	123	315	200	73
4" – DN 100	350	141	123	315	200	71



MATERIALS

POS. N°	DESIGNATION	FLT22G/TW	FLT22GS/TW
1	Body	P250GH / 1.0460; P235GH / 1.0345; S355JR / 1.0045; S235JR / 1.0038	P250GH / 1.0460; P235GH / 1.0345; S355JR / 1.0045; S235JR / 1.0038
2	Cover	GJS-400-15 / 0.7040	A216 WCB / 1.0619
3	* Gasket	Graphite	Graphite
4	* Seat	A351 CF8 / 1.4308	A351 CF8 / 1.4308
5	* Valve	AISI 420 / 1.4021	AISI 420 / 1.4021
6	* Lever	AISI 304 / 1.4301	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301	AISI 304 / 1.4301
8	* Air vent	Stainless steel (bimetallic)	Stainless steel (bimetallic)
9	Bolts	Steel 8.8	Steel 8.8

* Available spare parts.