STEAM TRAP
Model: FFSS1

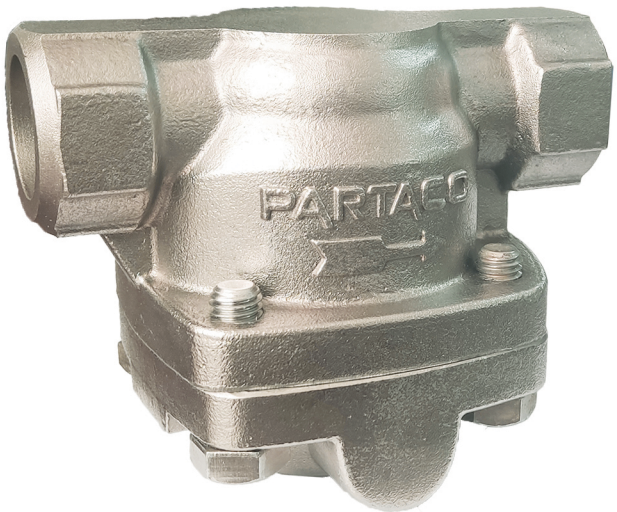
Cast Stainless Steel Free Float Steam Trap with Three-Point Seating and Thermostatic Bimetal Air Vent

Description

The FFSS1 is a cast stainless steel, free float steam trap that has been particularly designed for various capacities and applications up to 21 barG functioning based on different density between steam and condensate.Also, a thermostatic element insures safe air vent. The unit is available with either screwed, socket welded or flanged connections.

Features

1. Self-modulating free float provides continus, smooth low velocity condensate discharge as process loads vary
2. Condensate level upper than the seat together with 3-point seating ensures tight sealing under no-load conditions
3. Suitable for pressurized outlet condensate lines
4. Fast startup with thermostatic bimetal air vent
5. Only one moving part provides a long service life



Specification

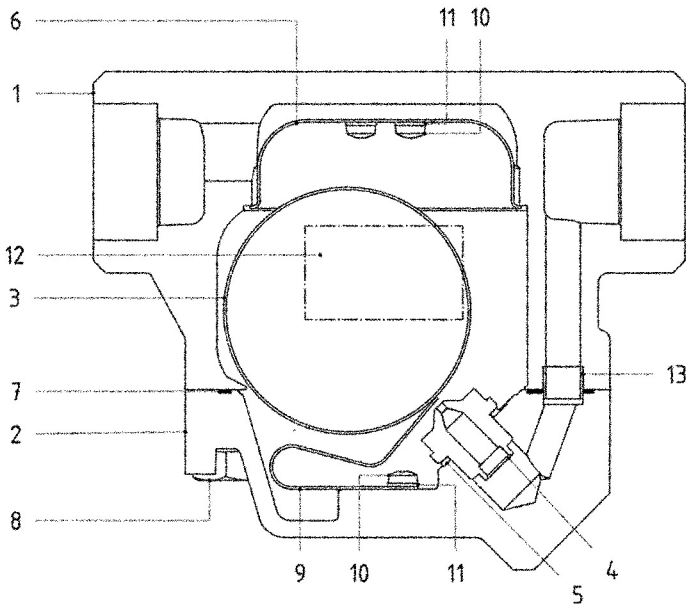
Size	DN 15,20,25
Installation	Horizontal / Vertical
PMA, Maximum allowable pressure (1)	25 bar
TMA, Maximum allowable temperature (2)	400°c @ 25 bar
PMO, Maximum operating pressure	21 bar
TMO, Maximum operating temperature (c)	400°c
ΔPMX, Maximum differential pressure	10 bar
Minimum operating pressure	0.1 bar

1: Maximum allowable pressure is the pressure shell design, not the operating pressure.
2: Maximum temperature which the shell of the steam trap can be raised permanently at a given pressure.
NOTE To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range.

Part list

ITEM	Description	Material
1	Body	A351 Gr.CF8
2	Cover	A351 Gr.CF8
3	Float	AISI 316L
$4^{s,r}$	Orifice	--
5^{s}	Orifice Gasket	AISI 316L
6^{s}	Screen	AISI 304
7^{s}	Cover Gasket	Graphite/AISI 316L
8^{s}	Cover Bolts	AISI 304
9^{s}	Air Vent Strip	Bimetal
10	Screw	AISI 304
11	Spring Washer	AISI 304
12	Nameplate	AISI 304

(s): able to be substituted
(r): repairable Replaceable Module is also available.



Factory:No.21Sanaatgaran 38 St. phase 2,Isfahan North Great Industrial State.Iran | Office: Amir-Kabir Industrial Park,Isfahan
Postal Code: 8195143612 09131697290 03133873661 03133873662 www.partaco.co

Dimensions in mm & Weight in kg (approximately)

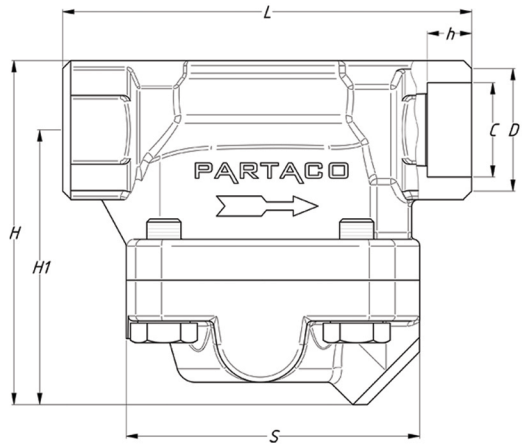
Size	L			H	H_1	S	ΦD	ΦC	h	Weight (kg)	
	FLG ASME Class		Socket & Screwed							FLG	Socket & Screwed
	150 RF	300 RF									
15	175		110	102	81	85	30	22.2	13	2.9	1.6
20	195		120				36	27.7		3.9	1.7
25	215		130				44	34.5		4.6	1.8

*Flanged Weights are based on ASME B16.5 for class 600
*Dimentions reffering to vertical model are also the same as horizontal

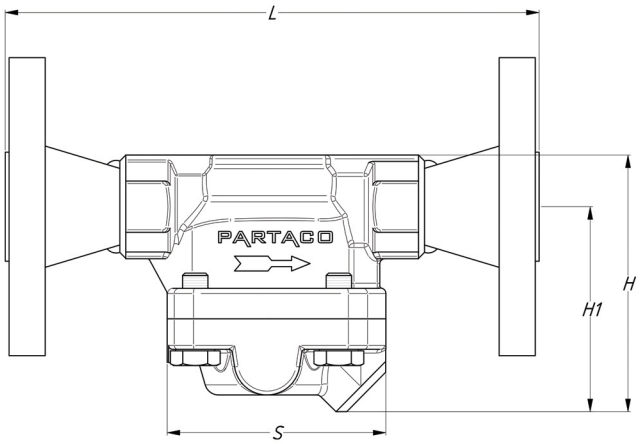
Application code and Standard

Title	Standard
Design	ASME B16.34
Tests	ASME B16.34
	ASTM F1139
	ASME PTC39
	BS EN 26948

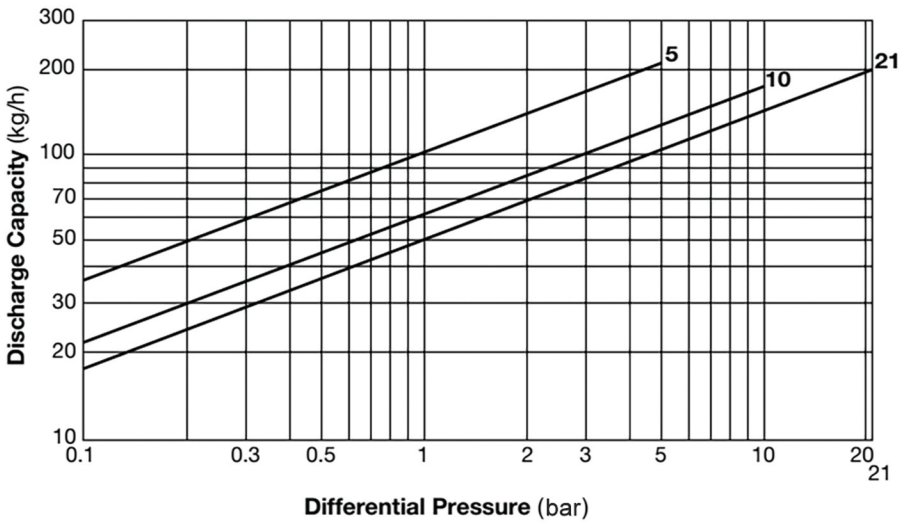
Screwed & Socket Welded



Flanged



Discharge Capacity



1. Differential pressure is the difference between the upstream and downstream Pressure of the trap.
2. Capacities are based on continues discharge of condensate 6˚c below saturated steam temperature.
3. Considering of suitable safety factor is recommanded.

Caution

DO NOT use this product under conditions that exceed maximum differential pressure, as condensate backup will acuure!

Factory:No.21Sanaatgaran 38 St. phase 2,Isfahan North Great Industrial State.Iran | Office: Amir-Kabir Industrial Park,Isfahan
Postal Code: 8195143612 09131697290 03133873661 03133873662 www.partaco.co