PARTACO

STEAM TRAP
Model: FFH 7.5 B

FREE FLOAT STEAM TRAP WITH THERMOSTATIC BIMETAL AIR VENT

Description

The FFH 7.5 B is a cast steel, free float steam trap that has been particularly designed for various capacities and applications up to 46 barG functioning based on different density between steam and condensate, Suitable for large-size and/or high-pressure process equipments. Also, a thermostatic element insures safe air vent up to approx 100°c. The unit is available with either 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 seat ensures tight sealing under low-load conditions
3. Fast startup operation with thermostatic bimetal air vent
4. Built-in screen with large surface ensures trouble-free service
5. Reducing maintenace costs with easy inline access to internal parts

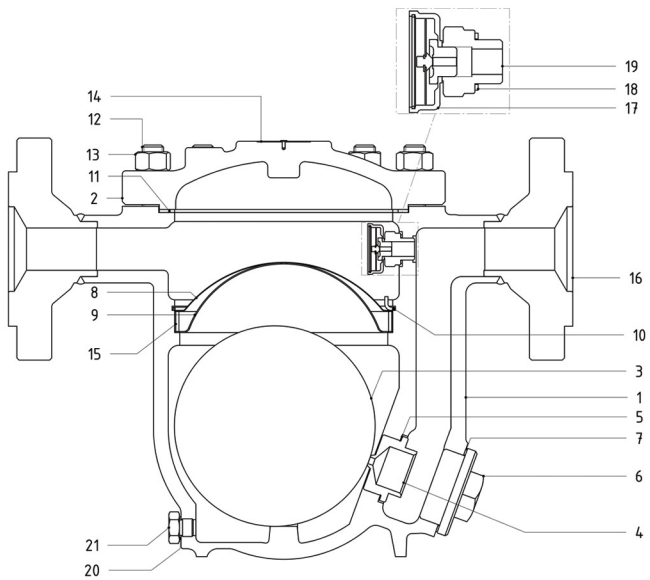


Specification

Size	DN 40, 50, 80
Connection	Socket welded / Flanged
Installation	Horizontal
PMA, Maximum allowable pressure (1)	46 bar
TMA, Maximum allowable temperature (2)	425°c @ 46 bar
Orifice No.	2, 5, 10, 14, 22, 32
PMO, Maximum operating pressure, bar	2, 5, 10, 14, 22, 32
ΔPMX, Maximum differential pressure, bar	2, 5, 10, 14, 22, 32
Minimum operating pressure, bar	0.1
TMO, Maximum operating temperature, °c	425

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.



ITEM	Description	Material
1	Body	A216 Gr WCB
2	Cover	A216 Gr WCB
3[s]	Float	AISI 316L
4[s,r]	Orifice	---
5[s,r]	Orifice Gasket	AISI 316
6	Orifice Plug	AISI 304
7[s,r]	Orifice Plug Gasket	AISI 316
8[s,r]	Screen	AISI 304
9	Screen Holder	AISI 304
10	Snap Ring	AISI 304
11[s,r]	Cover Gasket	Graphite/AISI 304
12	Cover Bolt	A193 GrB16
13	Cover Nut	A194 Gr4
14	Nameplate	AISI 304
15	Screen Holder Retainer	AISI 304
16	Flange	A105/A216Gr WCB
17[s]	Air Vent Unit	---
18[s,r]	Air Vent Unit Gasket	AISI 316
19	Air Vent Guid	AISI 304
20[s,r]	Drain Plug Gasket	AISI 316
21	Drain Plug	AISI 304

(s): able to be substituted
(r): repair & maintenance parts

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Dimensions in mm & Weight in kg (approximately)

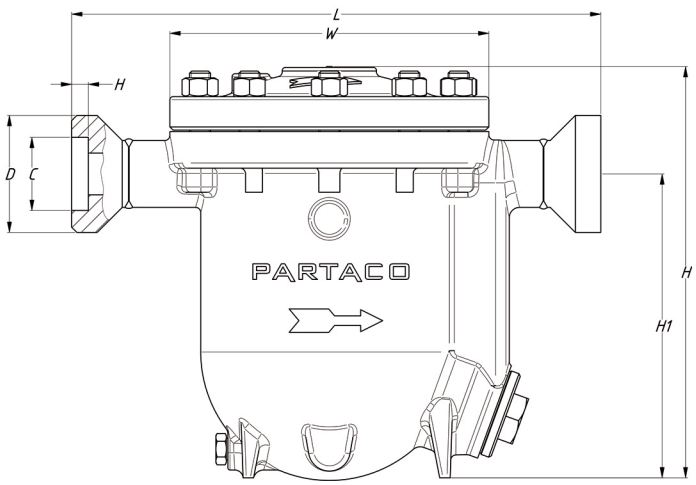
Size	L				H	H_1	ΦW	ΦD	ΦC	h	Weight (kg)	
	FLG ASME Class			Socket								
	150 RF	300 RF	600 RF								FLG	Socket
40	471	478	494	466	398	295	305	64	49.1	13	64	51
50	475	481	500					77.5	61.1	16	66	56
80	504	514	533	506				112	90		78	65

*Other Standards available, but length and weight may vary; weight is for class 600 RF

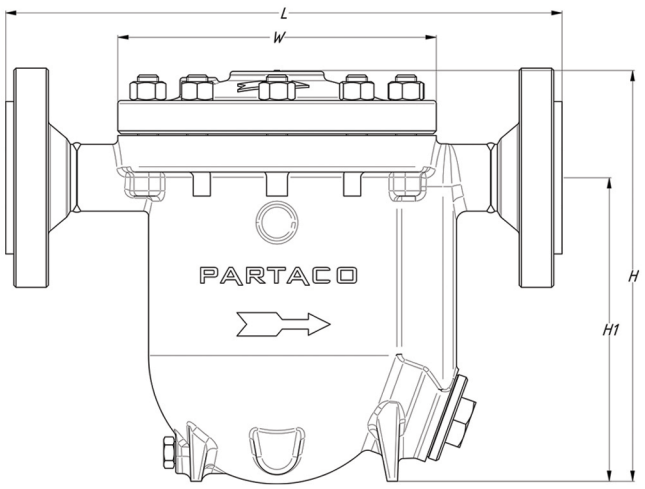
Application code and Standard

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

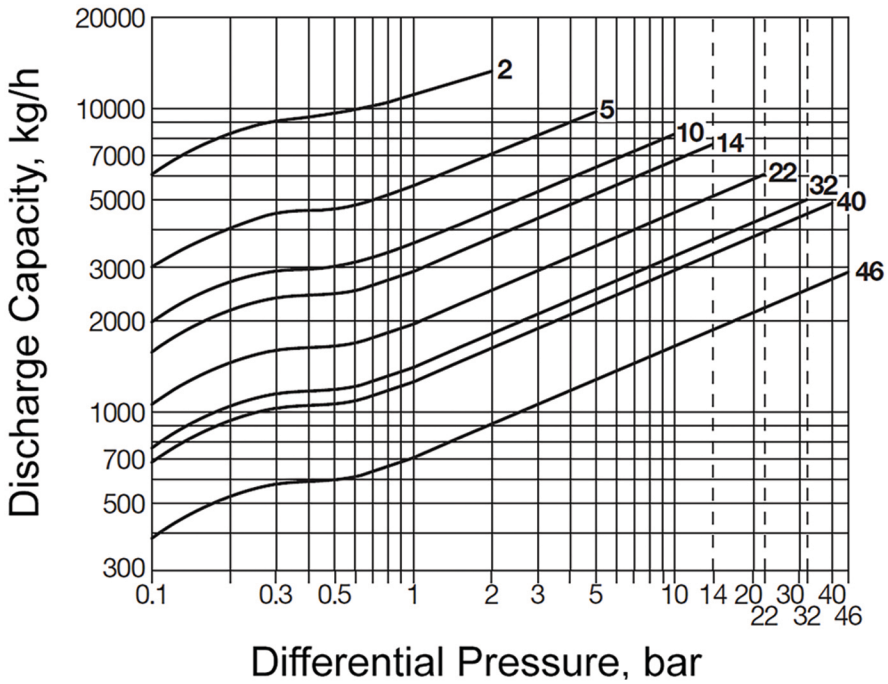
Socket Welded



Flanged



Discharge Capacity



1. Line numbers within the graph are orifice numbers
2. Differential pressure is the difference between the upstream and downstream Pressure of the trap
3. Capacities are based on continues discharge of condensate 6˚c below saturated steam temperature
4. Recommended safety factor: at least 1.5

Caution

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

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