

FREE FLOAT® STEAM TRAP

MODEL FS5/FS5H QuickTrap® STAINLESS STEEL

UNIVERSAL FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Features

Inline replaceable 2-bolt universal flange steam trap for steam mains, tracers and light processes.

- Two-bolt flange connector permits trap replace- ment in minutes without disturbing piping.
- Universal flange allows trap to be positioned in the correct attitude, regardless of pipeline configuration.
- Precision-ground float, constant water seal and three-point seating design ensure a steam tight seal, even under no-load conditions.
- 4. Thermostatic air venting with bimetal strip allows for fast start-up.
- 5. One screen located in connector and one in trap ensure trouble-free



Pressure Equipment Directive (PED)

Classification according to PED 2014/68/EU, fluid group 2

Size	Category	CE marking
DN 15 to 25	*	Art. 4, Sec. 3 (sound engineering practice), CE marking not allowed

^{*} Manufactured in accordance with sound engineering practice

Specifications

Model	FS5	FS5H		
Connection	Screwed*, Socket Welded, Flanged			
Size	½", ¾4", 1" / DN 15, 20, 25			
Orifice No.	5, 10, 21, 32	46		
Max. Operating Pressure (barg) PMO	5, 10, 21, 32	46		
Max. Differential Pressure (bar) ΔPMX	5, 10, 21, 32	46		
Max. Operating Temperature (°C) TMO	400	400**/425		
Connector Unit	F46			
Trap Unit	S5***	S5H***		

Screwed connection is optional and requires special installation procedure. Consult TLV for details. ** With PN flange.

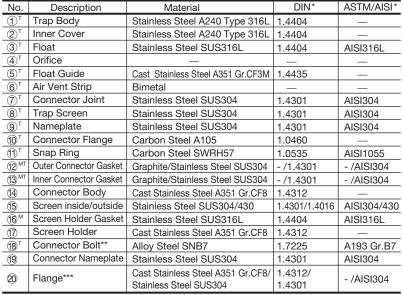
Consult TLV for details. ** With PN flange.

** Designed for use with F46, F32 Connector Units and V1/V2 Trap Stations.

Trap and Connector Units sent as separate units for flexible installation.

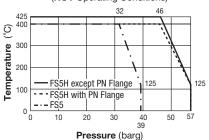


To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

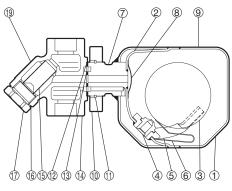


^{*} Equivalent materials ** Shown on reverse

Max. Allowable Press./ Temp. (PMA/TMA) Pressure Shell Design Conditions (NOT Operating Conditions)



1 bar = 0.1 MPa



Shown on reverse, shape and material depend on flange specifications Replacement kits available: (M) maintenance parts, (T) trap unit S5/S5H Replacement parts for former connector body F32 differ from those for F46.



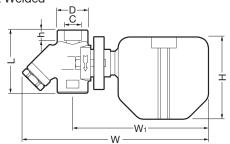
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(mm)

Dimensions

• FS5/FS5H

Socket Welded



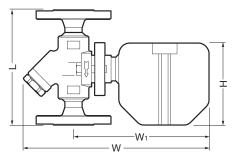
Weight Model DN W₁ ϕD ϕC (kg) 15 21.8 36 80 236 172 2.1 FS5 20 104 27.2 14 238 33.9 25 96 176 44 2.5

15 21.8 12 80 238 174 36 2.2 FS5H 20 27.2 108 14 96 240 178 44 33.9 2.6

FS5/FS5H Socket Welded*

FS5/FS5H

Flanged

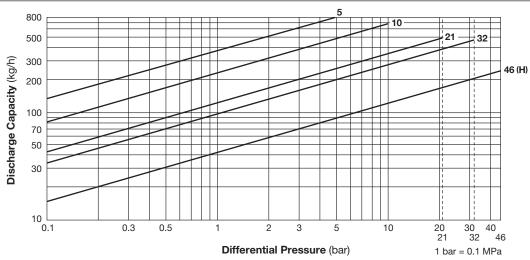


FS5/FS5H Flanged

Model	DN	L DIN 2501 ASME Class				φН	W	W ₁	Weight* (kg)	
		PN25/40	150RF	300RF	600RF				(119)	
FS5	15	150	150	150	180	104	235	175	3.9	
	20								4.8	
	25	160	160	160	190				5.3	
FS5H	15	150	-	-	180	108	240	175	4.0	
	20								4.9	
	25	160			190				5.4	

Other standards available, but length and weight may vary * Weight is for DIN PN 25/40

Discharge Capacity



- 1. Line numbers within the graph refer to orifice numbers.
- 2. Differential pressure is the difference between the inlet and outlet pressure of the trap.
- 3. Capacities are based on continuous discharge of condensate 6 °C below saturated steam temperature.
- 4. Recommended safety factor: at least 1.5.



DO NOT use this product under conditions that exceed maximum differential pressure as condensate back up will occur!

> Manufacturer Kakogawa, Japan

ISO 9001 ISO 14001

^{*} ASME B16.11-2005, other standards available