

FREE FLOAT® STEAM TRAP

MODEL J6S-X

FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Benefits

An all-stainless steel free float steam trap for increased durability with tight shutoff for use on medium-size process equipment.

- Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- Precision-ground float, constant water seal and three-point seating design ensure a steam-tight seal, even under no-load conditions.
- Thermostatic capsule (X-element) with "fail open" feature vents air automatically until close-tosteam temperature.
- 4. Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs.
- Rugged float construction with up 1600 psig hydraulic shock rating ensures excellent resistance to water hammer.
- Built-in screen with large surface area ensures extended trouble-free service.



Specifications

Model		J6S-X	
Connection		Screwed	
Size (in)		½, ¾, 1	
Orifice No.		2, 5, 10, 16, 21	
Maximum Operating Pressure (psig)	PMO	30, 75, 150, 230, 300	
Maximum Differential Pressure (psi)	∆PMX	30, 75, 150, 230, 300	
Minimum Operating Pressure (psig)		Vacuum	
Maximum Operating Temperature (°F)	TMO	428	
Maximum Allowable Pressure (psig)	PMA	300	
Maximum Allowable Temperature (°F)	TMA	428	

Connections and sizes in bold are standard

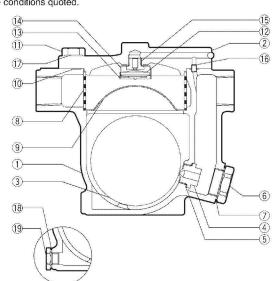
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CAUTION

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.

No.	Description	Material	ASTM/AISI*	JIS
D	Body	Cast Stainless Steel	A351 Gr.CF8	-
2	Cover	Cast Stainless Steel	A351 Gr.CF8	
③F	Float	Stainless Steel	AISI316L	SUS316L
4)R	Orifice	_		_
5)MR	Orifice Gasket	Stainless Steel	AISI316L	SUS316L
6	Orifice Plug	Cast Stainless Steel	A351 Gr.CF8	_
7)MR	Orifice Plug Gasket	Stainless Steel	AISI316L	SUS316L
8)R	Screen	Stainless Steel	AISI430	SUS430
9)R	Screen Holder	Stainless Steel	AISI304	SUS304
10MR	Cover Gasket	Fluorine Resin	PTFE	PTFE
(I)	Cover Bolt	Stainless Steel	AISI304	SUS304
12R	X-element	Stainless Steel	11	_
13/R	Spring Clip	Stainless Steel	AISI304	SUS304
14 ^P	X-element Guide	Stainless Steel	AISI304	SUS304
15A	Air Vent Valve Seat	Stainless Steel	AISI420F	SUS420F
16	Connector	Stainless Steel	AISI416	SUS416
17)	Nameplate	Stainless Steel	AISI304	SUS304
18	Drain Plug Gasket**	Stainless Steel	AISI316L	SUS316L
19	Drain Plug**	Stainless Steel	AISI303	SUS303

* Equivalent ** Option Replacement kits available: (M) maintenance parts, (R) repair parts, (F) float

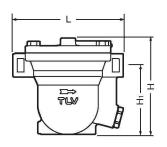


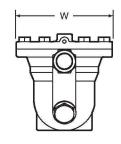


Consulting & Engineering Service

Dimensions

• J6S-X Screwed



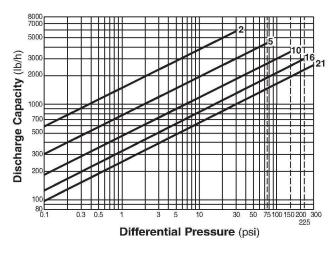


J6S-X	J6S-X Screwed*							
Size	L	Н	Hr	W	Weight (lb)			
1/2								
3/4	811/16	7 %16	57/16	71/2	21			
-	1							

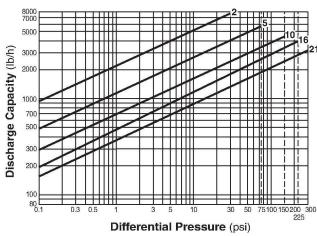
^{*} NPT, other standards available

Discharge Capacity

• Size 1/2", 3/4"



• Size 1"



- 1. Line numbers within the graph are 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 11°F below saturated steam temperature.
- 4. Recommended safety factor: at least 1.5.



Do not use traps under conditions that exceed maximum differential pressure, as condensate backup will occur!



DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE.

Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY

TLM: CORPORATION

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For Technical Service 1-800 "TLV TRAP"



Manufacturer



ISO 9001/ISO 14001



