# TLV. FREE FLOAT. STEAM TRAP

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.

- 1. Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- 2. 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.
- 6. Built-in screen with large surface area ensures extended trouble-free service.



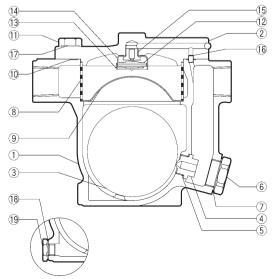
### Specifications

Model		J6S-X	
Connection		Screwed	
Size (in)		1/2, 3/4, 1	
Orifice No.		2, 5, 10, 16, 21	
Maximum Operating Pressure (psig)	PMO	30, 75, 150, 230, 300	
Maximum Differential Pressure (psi)	ΔPMX	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	

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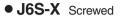
To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

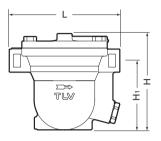
No.	Description	Material	ASTM/AISI*	JIS
1)	Body	Cast Stainless Steel	A351 Gr.CF8	
2	Cover	Cast Stainless Steel	A351 Gr.CF8	_
(3)F	Float	Stainless Steel	AISI316L	SUS316L
(4)R	Orifice	_	_	_
(5)MR	Orifice Gasket	Stainless Steel	AISI316L	SUS316L
6	Orifice Plug	Cast Stainless Steel	A351 Gr.CF8	_
(7)MR	Orifice Plug Gasket	Stainless Steel	AISI316L	SUS316L
(8)R	Screen	Stainless Steel	AISI430	SUS430
	Screen Holder	Stainless Steel	AISI304	SUS304
10 <sup>MR</sup>	Cover Gasket	Fluorine Resin	PTFE	PTFE
11	Cover Bolt	Stainless Steel	AISI304	SUS304
(12)R	X-element	Stainless Steel	_	—
(13 <sup>R</sup>	Spring Clip	Stainless Steel	AISI304	SUS304
(14) <sup>R</sup>	X-element Guide	Stainless Steel	AISI304	SUS304
(15) <sup>R</sup>	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

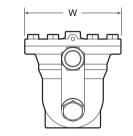


\* Equivalent \*\* Option Replacement kits available: (M) maintenance parts, (R) repair parts, (F) float

### **Dimensions**







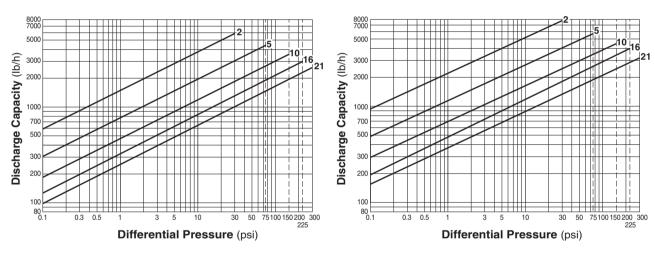
J6S-X Screwed* (ir								
Size	L	Н	H1	W	Weight (lb)			
1⁄2								
3⁄4	8 <sup>11</sup> /16	7 <sup>9</sup> ⁄16	51/16	7½	21			
1								

\* NPT, other standards available

### **Discharge Capacity**

• Size 1/2", 3/4"





- 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 this product 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

Member of

EC/

## TLV: CORPORATION

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is approved by LRQA Ltd. to ISO 9001/14001 SDS A2000-154 Rev. 6/2019

Specifications subject to change without notice.

Products for intended use only.

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