

FREE FLOAT® STEAM TRAP

MODEL J5X

FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Benefits

Extremely durable, inline repairable free float trap with tight shut-off for drainage of small to medium size process loads.

- 1. Self-modulating free float provides soft. continuous, smooth, low velocity discharge, as process loads vary, for maximum performance.
- 2. Unique rotational seating design eliminates concentrated wear to provide long maintenancefree service life.
- 3. Durable thermostatic unit automatically vents air for exceptional start-up and performance.
- 4. Easy, inline access to internal parts simplifies cleaning and lowers maintenance costs.
- 5. Rugged float construction with up to 1740 psig hydraulic shock rating ensures excellent resistance to water hammer.
- 6. Built-in screen with large surface area ensures extended trouble-free service.



Specifications

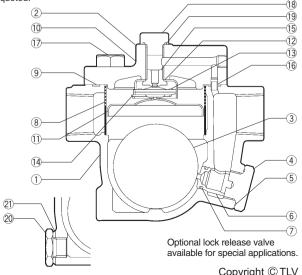
Model		J5X	JF5X	
Connection		Screwed	Flanged	
Size (in)		³ / ₄ , 1 , 1 ¹ / ₂	2	
Orifice No.		2, 5, 10, 21	2, 5, 10	
Maximum Operating Pressure (psig)	PMO	30, 75, 150, 300	30, 75, 150	
Maximum Differential Pressure (psi)	ΔΡΜΧ	30, 75, 150, 300	30, 75, 150	
Minimum Operating Pressure (psig)		Vac	uum	
Maximum Operating Temperature (°F)	TMO	428		
Maximum Allowable Pressure (psig)	PMA	300	250	
Maximum Allowable Temperature (°F)	TMA	428		

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
	Body (J5X)	Ductile Cast Iron	A536	FCD450
1	Body (JF5X)	Cast Iron	A842 Gr.400	FCV400
2	Cover	Ductile Cast Iron	A536	FCD450
3)F	Float	Stainless Steel	AISI316L	SUS316L
4	Orifice Holder Plug	Carbon Steel	AISI1025	S25C
5 _{MR}	Orifice Plug Gasket	Fluorine Resin	PTFE	PTFE
6)R	Orifice	_	_	_
7 ^{MR}	Orifice O-Ring	Synthetic Rubber	D2000CA	EPR
8R	Screen	Stainless Steel	AISI430	SUS430
9 ^{MR}	Cover Gasket	Fluorine Resin	PTFE	PTFE
10	Nameplate	Stainless Steel	AISI304	SUS304
11)R	Float Cover	Stainless Steel	AISI304	SUS304
(12)R	X-element Guide	Stainless Steel	AISI304	SUS304
13 ^R	X-element	Stainless Steel	_	_
(14)R	Spring Clip	Stainless Steel	AISI304	SUS304
(15)R	Air Vent Valve Seat	Stainless Steel	AISI420F	SUS420F
16	Connector	Stainless Steel	AISI416	SUS416
17)	Cover Bolt	Carbon Steel	AISI1045	S45C
18	Plug	Carbon Steel	AISI1025	S25C
19 ^{MR}	Plug Gasket	Fluorine Resin	PTFE	PTFE
20	Drain Plug**	Carbon Steel	AISI1025	S25C
(21)	Drain Plug Gasket**	Soft Iron	AISI1010	SUYP

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

Connections and sizes in bold are standard



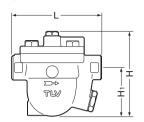
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Dimensions

J5X Screwed

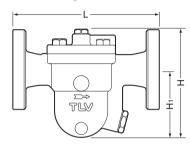


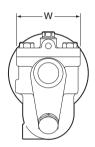


J5X s	crewed*			(in)	
Size	L	Н	H ₁	W	Weight (lb)
3/4	6 ½	5 ⁷ /8	35/16	4 1/4	9.7
1					9.5
1 ½	65/16	73/16	43/16		13

^{*} NPT, other standards available

● JF5X Flanged



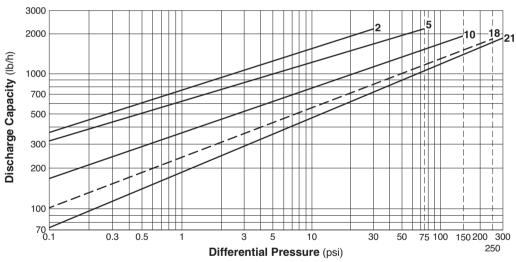


JF5X Flanged

UI JA Flangeu (in)							
Size	L Occurs do la AOME Obsessi		Н	H ₁	W	Weight*	
	Connects to ASME Class					(lb)	
	125FF	250RF				(10)	
2	10 ½	10 ⁵ / ₈	71/8	4¾	4 1/4	27	

Other standards available, but length and weight may vary * Weight is for Class 250 RF

Discharge Capacity



- Standard ----- Available on special request (only for JF5X).
- 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 11°F 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 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.

TLV: CORPORATION

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Manufacturer

TLV. CO., LTD.

Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

