TLV. FREE FLOAT. STEAN TRAP MODEL J3X DUCTILE CAST IRON

FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Features

A reliable and durable ductile cast iron steam trap with tight shut-off for use on small-size process equipment.

- 1. Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- 2. Only one moving part, the free float, prevents concentrated wear and provides long maintenance-free service life.
- 3. Thermostatic capsule (X-element) with "fail open" feature vents air automatically until close-to-steam temperature.
- 4. Built-in screen with large surface area ensures extended troublefree operation.
- 5. Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs.

Pressure Equipment Directive (PED)

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

 Size
 Category
 CE marking

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

* Manufactured in accordance with sound engineering practice

Specifications



Model		J3X	JF3X
Connection		Screwed	Flanged
Size		1⁄2″, 3⁄4″, 1″	DN 15, 20, 25
Orifice No.		2, 5, 8,	10, 13
Maximum Operating Pressure (barg)	PMO	2, 5, 8, 10, 13	
Maximum Differential Pressure (bar)	ΔΡΜΧ	2, 5, 8, 10, 13	
Maximum Operating Temperature (°C)	TMO	20	00
Subcooling of X-element Fill (°C)		up	to 6
Type of X-element		C	6

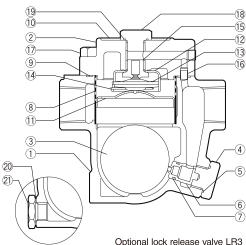
PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 13 Maximum Allowable Temperature (°C) TMA: 200

Minimum Allowable Temperature (°C): -10

CAUTION To avoid abnormal

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	DIN*	ASTM/AISI*
1	Body	Duct. Cast Iron GGG40.3/ EN 5.3103 (EN-GJS-400-18-LT)	0.7043	A395 Gr.60-40-18
2	Cover	Duct. Cast Iron GGG40.3/ EN 5.3103 (EN-GJS-400-18-LT)	0.7043	A395 Gr.60-40-18
3F	Float	Stainless Steel SUS316L	1.4404	AISI316L
4	Orifice Holder Plug	Carbon Steel S25C	1.1158	AISI1025
5 ^{MR}	Holder Plug Gasket	Fluorine Resin PTFE	PTFE	PTFE
6 ^R	Orifice		—	—
7 ^{MR}	Orifice O-Ring	Synthetic Rubber EPR	EPR	D2000CA
8 ^R	Screen inside/outside	Stainless Stl. SUS430/304	1.4016/1.4301	AISI430/304
9 ^{MR}	Cover Gasket	Fluorine Resin PTFE	PTFE	PTFE
10	Nameplate	Stainless Steel SUS304	1.4301	AISI304
11) ^R	Float Cover	Stainless Steel SUS304	1.4301	AISI304
12 ^R	X-element Guide	Stainless Steel SUS304	1.4301	AISI304
13 ^R	X-element	Stainless Steel	—	
14 ^R	Spring Clip	Stainless Steel SUS304	1.4301	AISI304
15 ^R	Air Vent Valve Seat	Stainless Steel SUS420F	1.4028	AISI420F
16	Connector	Stainless Steel SUS416	1.4005	AISI416
17	Cover Bolt	Carbon Steel S45C	1.0503	AISI1045
18	Plug	Carbon Steel S25C	1.1158	AISI1025
19 ^{MR}	Plug Gasket	Fluorine Resin PTFE	PTFE	PTFE
20	Drain Plug Gasket**	Soft Iron SUYP	1.1121	AISI1010
21	Drain Plug**	Carbon Steel S25C	1.1158	AISI1025



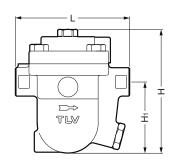
Optional lock release valve LR3 available for special applications.

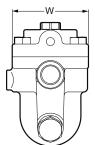
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Dimensions

• J3X Screwed

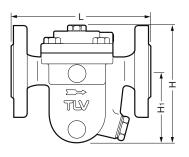




J3X Screwed* (mm)					
Size	L	Н	H1	W	Weight (kg)
1/2″		120	75		2.7
3⁄4″	120	130	73	80	2.8
1″		137	75		3.0

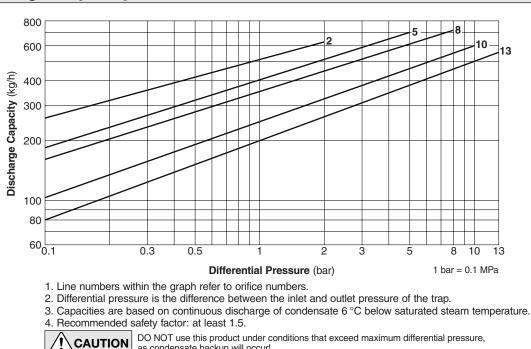
* BSP, DIN 2999, other standards available

• JF3X	Flanged
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JF3X	Flanged			(mm)	
DN	L			14/	
	DIN 2501	Н	Hı	Weight (kg)	
	PN10/16			(Ng)	
15	150	137	86	3.8	
20	150	148	94	5.1	
25	160	155	99	6.0	
Other standards available, but length and weight may vary					

Discharge Capacity



as condensate backup will occur!

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Manufacturer

Kakogawa, Japan approved by LRQA Ltd. to ISO 9001/14001

CO., LTD.

ISO 9001 ISO 14001