

PROCESS FLOAT STEAM TRAP

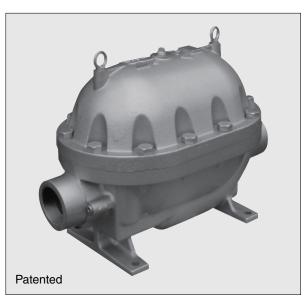
MODEL JL14-X/JLH14-X CAST IRON/CAST STEEL

HIGH-CAPACITY IRON OR STEEL FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Features

Extremely durable, inline-repairable, compact float trap with thermostatic air venting for large process or heating equipment.

- Double-seated valve with heat-treat hardened valve seat and valve head provides continuous, smooth, low-velocity condensate discharge as process loads vary.
- 2. Self-aligning valve mechanism with stainless steel internals minimizes wear.
- 3. Thermostatic capsule (X-element) with "fail open" feature vents air automatically until close-to-steam temperature.
- 4. Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs.
- 5. High-quality stainless steel internals and hardened valve surfaces ensure reliability.



Specifications

Model	JL1	4-X	JLH14-X			
Connection	Screwed	Flanged*	Screwed	Socket Welded	Flanged	
Size / DN	3″	DN 80	3″	DN 8	30	
Orifice No.	10, 13		10, 18			
Maximum Operating Pressure (barg) PMO	10, 13		10, 18			
Maximum Differential Pressure (bar) ΔPMX	10, 13		10, 18			
Maximum Operating Temperature (°C) TMO	200		240 (400**)			

^{*} JL14-X has a screwed-in flange ** Optional JLH14-B with bimetal-type air vent unit for initial air venting PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS):

Maximum Allowable Pressure (barg) PMA: 13 (JL14-X), 32 (JLH14-X)

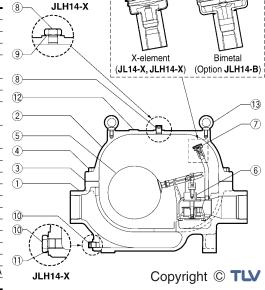
Maximum Allowable Temperature (°C) TMA: 200 (JL14-X), 400 (JLH14-X)

1 bar = 0.1 MPa



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	Podu.	JL14-X	Cast Iron FC250	0.6025	A126 CI.B	
	Body	JLH14-X	Cast Steel A216 Gr.WCB	1.0619	_	
2	Cover	JL14-X	Cast Iron FC250	0.6025	A126 CI.B	
		JLH14-X	Cast Steel A216 Gr.WCB	1.0619	_	
3	Cover Gasket		Graphite / Stainless Steel SUS316L	- / 1.4404	-/AISI316L	
	Cover Bolt	JL14-X	Carbon Steel S45C	1.0503	AISI1045	
4	Cover Boil	JLH14-X	Alloy Steel SNB7	1.7225	A193 Gr.B7	
(5)	Float / Lever Unit		Stainless Steel SUS316L/ Cast Stainl. Steel A351 Gr.CF8	1.4404/1.4312	AISI316L /	
6	Trap Unit		Stainless Steel SUS304/ Cast Stainl. Steel A743 Gr.CA40	1.4301/1.4027	AISI304/	
7	Air Vent Pipe		Stainl. Steel SUS304/420F	1.4301/1.4028	AISI304/420F	
(8)	Cover Plug	JL14-X	Carbon Steel SS400	1.0037	A6	
(8)		JLH14-X	Carbon Steel S25C	1.1158	AISI1025	
9	Cover Plug Gasket (JLH14-X)		Soft Iron SUYP	1.1121	AISI1010	
(10)	Drain Plug	JL14-X	Carbon Steel SS400	1.0037	A6	
(10)		JLH14-X	Carbon Steel S25C	1.1158	AISI1025	
11)	Drain Plug Gasket (JLH14-X)		Soft Iron SUYP	1.1121	AISI1010	
12	Nameplate		Stainless Steel SUS304	1.4301	AISI304	
13	Eye Bolt		Carbon Steel SS400	1.0037	A6	
(14)	Flange**		Cast Steel A216 Gr.WCB	1.0619		
(15)	Flange Pipe**	JL14-X	Carbon Steel STPG370	1.0308	A53 Type S Gr.A	
(15)	Flatige Pipe**	JLH14-X	Carbon Steel STPT370	1.0305	A106 Gr.A	



^{*} Equivalent materials ** Shown on reverse

Consulting & Engineering Service

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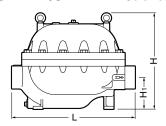
163

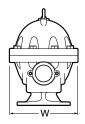
W

350

Dimensions

• JL14-X/JLH14-X Screwed





* BSP DIN 2999, other standards available

635

490

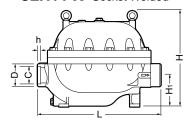
JL14-X/JLH14-X Screwed*

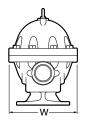
() JLH14-X

Size

JL14-X shown.

● JLH14-X Socket Welded





JLH14-X Socket Welded*

(mm)

(mm)

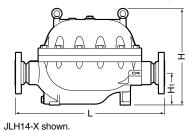
Weight (kg)

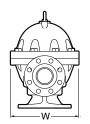
107 (110)

DN	L	Н	H1	W	ΦD	ФС	h	Weight (kg)
80	635	490	163	350	105	89.8	16	110

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

● JL14-X/JLH14-X Flanged





JL14-X*/JLH14-X Flanged

(mm)

	L							***مام: ما۸۸
DN	DIN 2501		ASME Class		Н	Нı	W	Weight** (kg)
	PN16	PN25/40	150RF	300RF				(Ng)
80	766	766	766	766	490	163	350	121 (124)

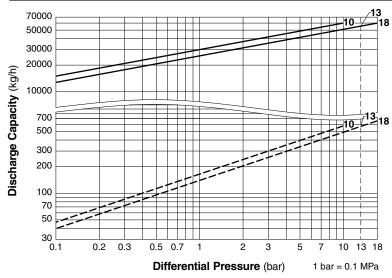
PN 16 for JL14-X, PN 25/40 for JLH14-X

Other standards available, but length and weight may vary * JL14-X has a screwed-in flange

** Weight is for DIN PN 25/40

() JLH14-X

Discharge Capacity



- : Maximum capacity of JL14-X/JLH14-X.
- -: Minimum amount of condensate required to prevent steam leakage.
- 1. Line numbers within the graph refer to orifice numbers.
- 2. Differential pressure is the difference between the inlet and outlet pressure of the
- 3. Capacities are based on continuous discharge of condensate 6°C below steam temperature.
- 4. Recommended safety factor: 1.5.



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

Manufacturer

Kakogawa, Japan



ISO 9001/ISO 14001



is approved by LRQA Ltd. to ISO 9001/14001