



FLOAT DYNAMIC STEAM TRAP

MODEL J10

Features

High pressure, inline maintainable free float pilot operated steam trap capable of discharging high condensate flow rates. Suitable for large process heat exchangers.

1. Free float pilot mechanism ensures no "backing-up" of condensate.
2. Well proven piston valve opens smoothly to discharge high condensate flow rates.
3. "Steam cushion" prevents slamming of main valve onto seat.
4. All internal parts are easily accessible without having to remove the trap from the line.
5. Applicable over a wide pressure range without adjustment.
6. No steam locking or air binding due to built-in lock release valve.



Specifications

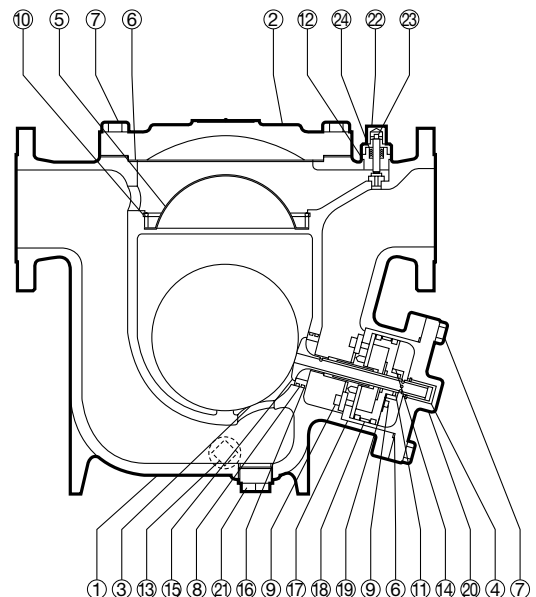
Model	J10-30	J10-60
Connection		Flanged
Size (mm)		100
Maximum Operating Pressure (MPaG)	PMO	1.57
Maximum Differential Pressure (MPa)	ΔPMX	1.57
Minimum Differential Pressure (MPa)		0.05
Maximum Operating Temperature (°C)	TMO	220

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 1.57 1 MPa = 10.197 kg/cm²
Maximum Allowable Temperature (°C) TMA: 220



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	JIS	ASTM/AISI*
①	Body	Cast Iron**	FC250	A126 Cl. B
②	Cover	Cast Iron**	FC250	A126 Cl. B
③	Float	Stainless Steel	SUS316L	AISI316L
④	Sleeve	Stainless Steel	SUS420F	AISI420F
⑤	Float Holder	Stainless Steel	SUS304	AISI304
⑥	Cover Gasket	Stainl. St./Graphite	SUS316L	AISI316L
⑦	Cover Bolt	Carbon Steel	SS400	A6
⑧	O-Ring	Synthetic Rubber	EPR	EPR
⑨	Socket Head Bolt	Alloy Steel	SCM435	AISI4135
⑩	Snap Ring	Stainless Steel	SUS304	AISI304
⑪	Stopper Ring	Stainless Steel	SUS420F	AISI420F
⑫	Relief Valve Gasket	Soft Iron	SUYP	AISI1010F
⑬	Drain Plug	Carbon Steel	SS400	A6
⑭	Turn Stopper	Stainless Steel	SUS304	AISI304
⑮	Valve	Stainless Steel	SUS420F	AISI420F
⑯	Valve Seat	Stainless Steel	SUS420F	AISI420F
⑰	Cylinder	Stainless Steel	SUS304	AISI304
⑱	Piston Ring Set	Stainl. St./Fluorine Resin	SUS304/PTFE	AISI304/PTFE
⑲	Piston	Stainless Steel	SUS304	AISI304
⑳	Valve Cover	Cast Iron	FC250	A126 Cl. B
㉑	Plug	Cast Iron	FCMB	A47 Gr. 32510
㉒	Lock Release Valve Cap	Stainless Steel	SUS303	AISI303
㉓	Lock Release Valve	Stainless Steel	SUS420F	AISI420F
㉔	V-Ring Packing	Fluorine Resin	PTFE	PTFE

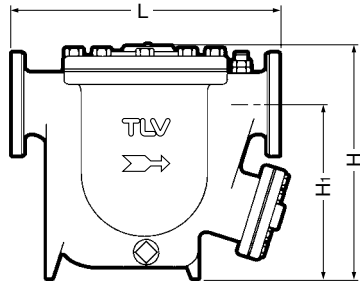


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* Equivalent ** Option: cast steel

Dimensions

● **J10** Flanged



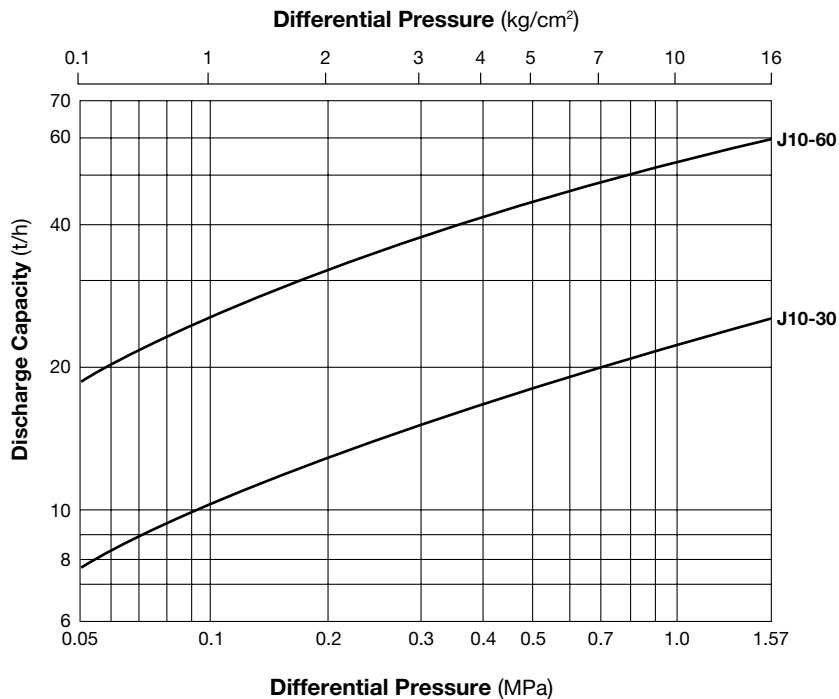
J10 Flanged* (mm)

Size	L				H	H ₁	Weight* (kg)
	ASME Class						
	125RF	(150RF)	250RF	(300RF)			
100	595	595	611	611	510	395	121

() No ASME standard exists for cast iron; machined to fit steel flanges
 Class 125 FF can connect to 150 RF, 250 RF can connect to 300 RF
 Other standards available, but length and weight may vary
 * Weight is for Class 250 RF

Installation of a strainer (TLV-Y3/YF/YDF or equivalent) at the trap inlet is recommended.

Discharge Capacity



1. Capacities are based on continuous discharge of condensate 6°C below saturated steam temperature.
2. Differential pressure is the difference between the inlet and outlet pressure of the trap.
3. Select the closest model with a capacity greater than the actual condensate load multiplied by a safety factor of 1.2.



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

Manufacturer
TLV® CO., LTD.
 Kakogawa, Japan
is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001

