

## Float Type Steam Trap TSF Series

### High durability

Excellent in durability thanks to important parts such as valve, seat, air vent and float in stainless steel material.

### Air vent

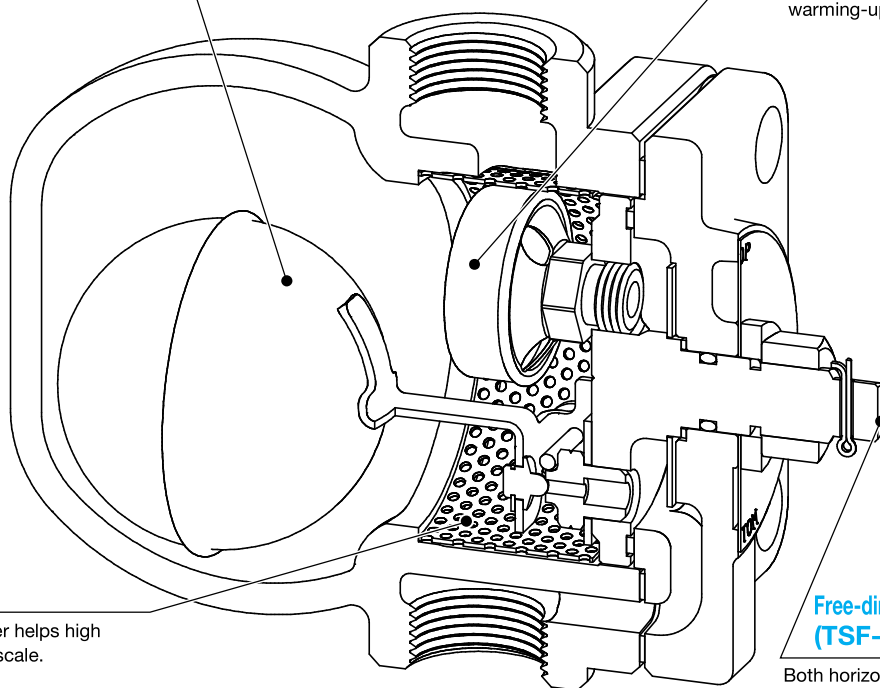
Incorporated thermostatic air vent discharges air inside the piping and shortens warming-up time.

### Strainer

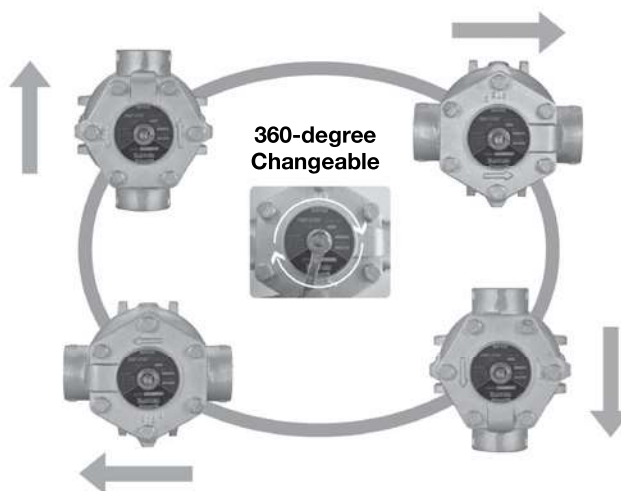
Built-in strainer helps high resistance to scale.

### Free-direction installation (TSF-10/11 series)

Both horizontal and vertical installation is possible thanks to rotating cock. Flow direction can be switched easily without disassembly.



### · Installation posture



# TSF-8

Bucket	Float	Disc	Bellows
Bimetal	Wafer	By-pass	Stainless steel
Connector	Right to Left	Down to Up	Up to Down

## ■Features

1. The TSF-8 can discharge condensate effectively without retention due to reliable operation by difference in specific gravity between steam and condensate.
2. Since the main parts are attached on the cover and it is possible to dismount the cover with the body connected to the piping, inspection and parts replacement can be conducted easily.
3. Excellent corrosion resistance and durability because the main parts are all made of stainless steel.
4. A strainer is incorporated to protect the internal parts from foreign substances and improve durability.



5

Steam Trap

## ■Specifications

Model	TSF-8
Nominal size	15A, 20A, 25A
Application	Steam condensate
Working pressure (Max. working differential pressure)	TSF-8-5 : 0.01-0.5 MPa (0.5 MPa) TSF-8-10: 0.01-1.0 MPa (1.0 MPa) TSF-8-21: 0.01-2.1 MPa (2.1 MPa)
Max. temperature	220°C
Material	Body
	Float
	Valve, valve seat
Connection	JIS Rc screwed

## ■Caution for Installation

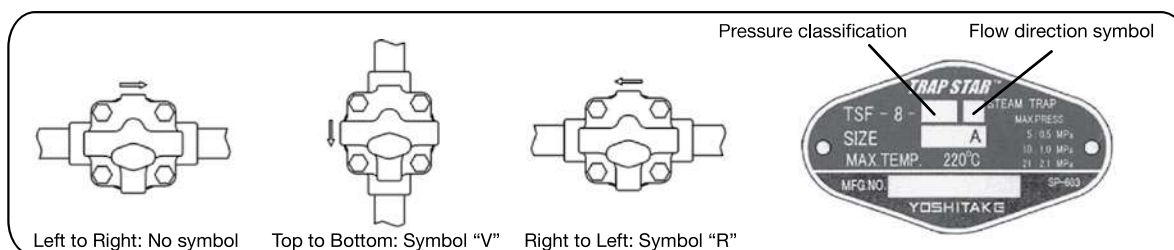
### <Flow direction>

- Standard flow direction is Left to Right, however; the direction can be changed at your site.  
Please refer to “Reassembly Procedures for Flow Direction Change.”
- If you reassemble the product and change its flow direction, inscribe the symbol on the plate according to the new flow direction. “V” for “Top to Bottom” flow, and “R” for “Right to Left” flow.

Flow direction	Symbol
Left to Right (Pre-set)	Blank
Top to Bottom	V
Right to Left	R

\* Available Bottom and Top.

Please apply that shorten the vertical piping before the trap to open and discharge easily of trap in the condition of using upward flow direction.

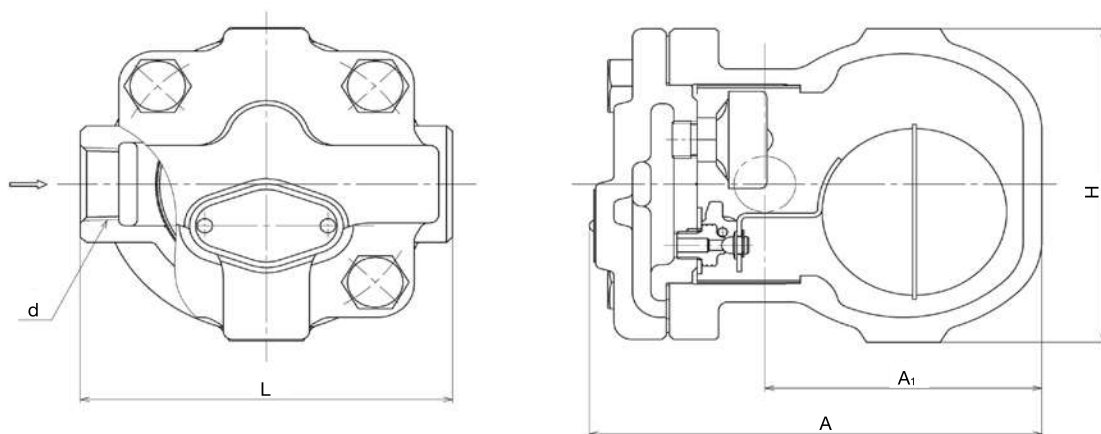


### ■Dimensions (mm) and Weights (kg)

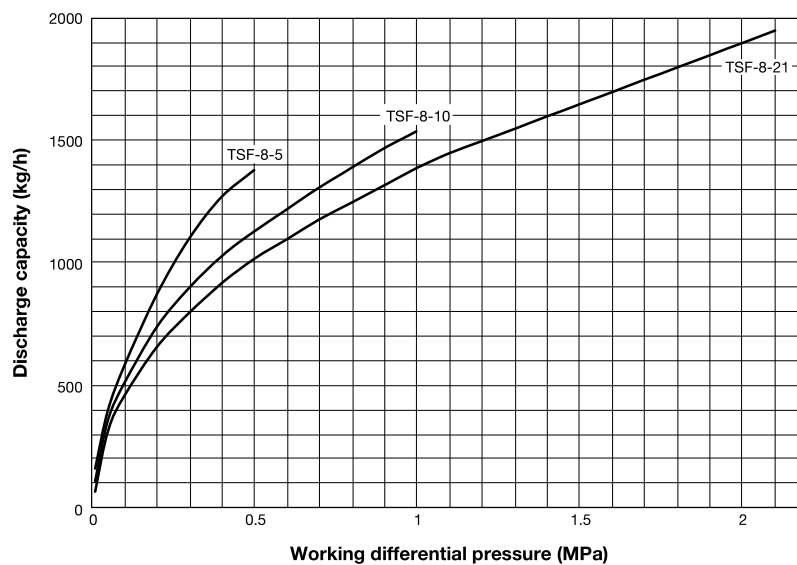
Nominal size	d	L	A	A <sub>1</sub>	H	Weight
15A	Rc 1/2	121	147	90	113	3.7
20A	Rc 3/4	121	147	90	113	3.7
25A	Rc 1	145	147	90	113	4.1

5

Steam Trap



### ■Maximum Continuous Discharge Capacity Chart



The discharge capacity shown on the above chart is the maximum value.  
In designing a system, select a steam trap with a sufficient safety factor (more than two times the regular level).