

# TSF-8AT

Bucket	Float	Disc	Bellows
Bimetal	Wafer	By-pass	Stainless steel
Connector	Side to side		

## ■Features

1. The TSF-8AT can discharge condensate effectively without retention due to reliable operation by difference in specific gravity between air 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.



## ■Specifications

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

\* In case from right side to left side, "R" is mentioned at the end of type key.

## ■Caution for Installation

### <Flow direction>

- The standard flow direction of TSF-8AT is left to right. However, flow direction from right to left is also available. Please inform us of the flow direction you prefer when placing and order.
- In case from right side to left side, "R" is mentioned at the end of type key.
- Please do not disassemble the product at site.
- Due to the connection of pressure equalization pipe, flow direction top to bottom is not available.

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

Left to Right: No symbol

Right to Left: Symbol "R"

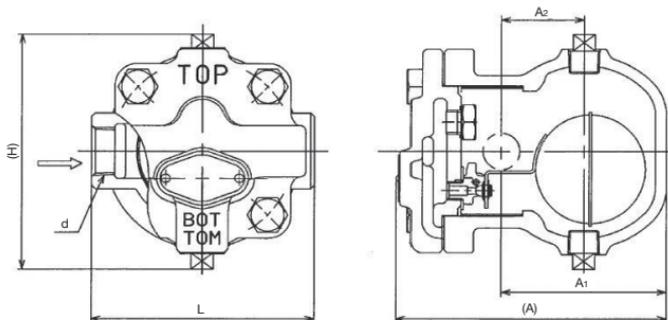
Allowable tilt from horizontal line is within  $\pm 10^\circ$ .

Pressure classification      Flow direction symbol

TRAP STAR  
TSF-8AT-      AIR TRAP  
SIZE      MAX PRESS  
MAX TEMP 220°C      0.05 MPa  
   10.1 MPa  
   21.1 MPa  
MFG NO.      SP-807  
YOSHITAKE

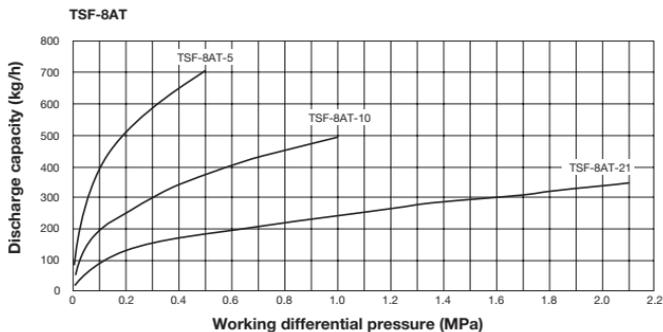
■Dimensions (mm) and Weights (kg)

Nominal size	d	L	A	A <sub>1</sub>	H	Plug	Weight
15A	Rc or NPT 1/2	121	147	90	145	Rc or NPT 3/8	3.7
20A	Rc or NPT 1/2	121	147	90	145	Rc or NPT 3/8	3.7
25A	Rc or NPT 1/2	145	147	90	145	Rc or NPT 3/8	4.1



5 Steam Trap/Air Trap

■Maximum Continuous Discharge Capacity Chart



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

■Piping Example

