TSF-12

ULTRA STEAM TRAP
TRAP STAR™

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

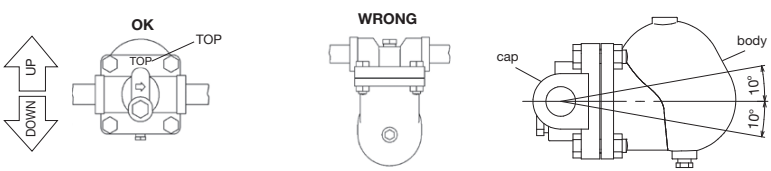
■Features

1. Reliable performance and large discharge capacity ensured by lever float system.
2. All main parts such as valves, seats, air vents and floats are made of stainless steel that offer excellent corrosion resistance and durability.
3. By adopting the high-pressure air vent, to exhaust the air in the steam piping system quickly, significantly shorten the equipment start-up time.

■Specifications

Model		TSF-12	
Nominal size		40A , 50A	
Application		Steam condensate	
Working pressure (Max. working differential pressure)		TSF-12-1: 0.01-0.1 MPa (0.1 MPa) TSF-12-2: 0.01-0.2 MPa (0.2 MPa) TSF-12-5: 0.01-0.5 MPa (0.5 MPa)	TSF-12-9: 0.01-0.9 MPa (0.9 MPa) TSF-12-12: 0.01-1.2 MPa (1.2 MPa) TSF-12-17: 0.01-1.7 MPa (1.7 MPa)
Maximum temperature		230°C	
Material	Body	Ductile cast iron	
	Float	Stainless steel	
	Valve, Valve seat	Stainless steel	
Connection		JIS Rc screwed NPT screwed	

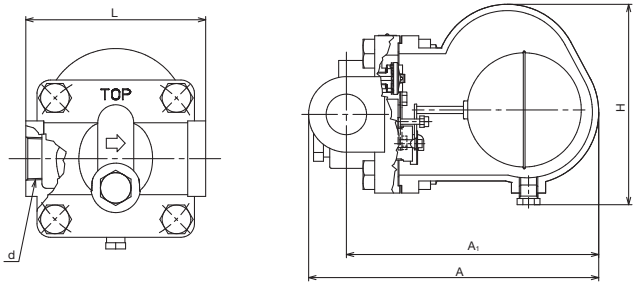
■Caution for Installation



To install the product, confirm if the direction of fluid flow matches with inlet and outlet sides of the product and install the product correctly.
* Setting the product in wrong directions prevents it from functioning properly.
Check installation posture. Do not tilt the product during use.
* Wrong posture hampers proper operation.
* Make sure that slope of the products is within ±10°. Support the cover if necessary.

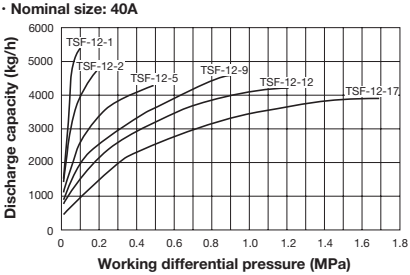
■Dimensions (mm) and Weights (kg)

Nominal size	d	L	A	A_1	H	Weight
40A	Rc 1-1/2	200	308	266	228	21.7
50A	Rc 2	200	361	319	285	24.6

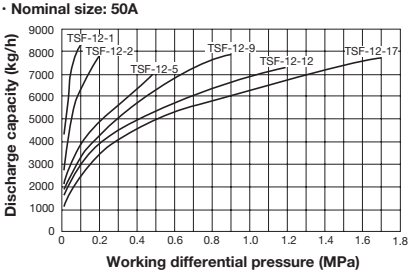


■Maximum Continuous Discharge Capacity Chart

・**Nominal size: 40A**



・**Nominal size: 50A**



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