



TSF-13CF

■Features

1. Reliable performance and large discharge capacity ensured by double-port structure.
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 air vent, to exhaust the air in the steam piping system quickly, significantly shorten the equipment start-up time.
4. Stable operation realized by adopting large float.



■Specifications

Model		TSF-13CF		
Nominal size		40A, 50A		
Application		Steam condensate		
Max. pressure		1.0MPa	1.6MPa	3.2MPa
Maximum working differential pressure (ΔPMX)		TSF-13CF-5: 0.5MPa TSF-13CF-10: 1.0MPa	TSF-13CF-5: 0.5MPa TSF-13CF-10: 1.0MPa	TSF-13CF-32: 3.2MPa
Minimum working differential pressure		0.01MPa		
Max. temperature		240°C		
Material	Body	Cast carbon steel		
	Float	Stainless steel		
	Valve and valve seat	Stainless steel		
Connection		ASME 150 LB	ASME 300 LB EN PN25/40	ASME 300 LB EN PN25/40 JIS 30K RF

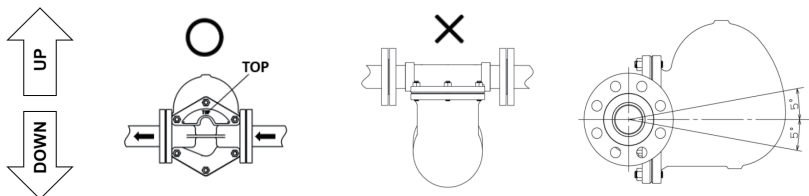
*1. Install a strainer (recommended: 80 mesh) at the inlet side to protect TSF-13CF from scale or other substances. Due to the double-port structure, foreign substances stuck on the valve and valve seat may cause significant steam leakage.

*2. Check installation posture. Do not tilt the product during use.

Wrong posture hampers proper operation (The figure below is an image of the product piping situation when viewed from the side).

*3. Keep the product tilt within 5°. Support the product as needed.

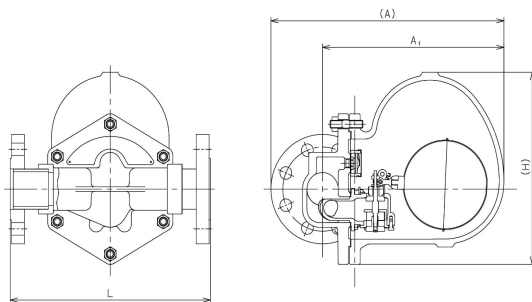
■Caution for Installation



■Dimensions (mm) and Weights (kg)

TSF-13CF

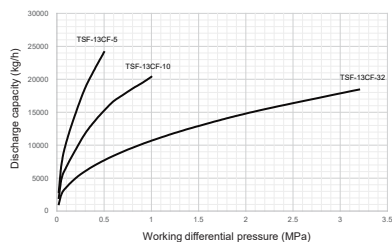
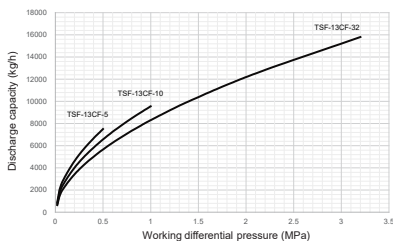
Nominal size	Connection	L	A	A ₁	H	Weight (kg)
40A	ASME150LB	327	343	280	290	24.5
	ASME300LB	327	358	280	290	27.0
	EN PN25/40	327	355	280	290	26.0
	JIS 30KRF	327	360	280	290	28.0
50A	ASME150LB	320	365	290	290	27.0
	ASME300LB	320	373	290	290	28.5
	EN PN25/40	320	373	290	290	28.0
	JIS 30KRF	320	373	290	290	29.0



■Maximum Continuous Discharge Capacity Chart

• TSF-13CF 40A Discharge Capacity Chart

• TSF-13CF 50A Discharge Capacity Chart



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