ZAHO Ball Float Steam Trap

MODEL: SFT43

ZAHO

ZAHO SFT43 Ball Float Thermostatic Steam Trap

Pressure rating	PN16
Characteristic of Discharge	Mechanical traps Continuous drainage with automatic air vent features
Model	SFT43-F2, SFT43-F2F SFT43-F5, SFT43-F5F SFT43-F6, SFT43-F6F SFT43-F8, SFT43-F8F SFT43-F08, SFT43-F08F SFT43-F12, SFT43-F12F
Size	SFT43-F2 ， SFT43-F2F DN15-DN25 SFT43-F5 ， SFT43-F5F DN25 SFT43-F6 ， SFT43-F6F DN32-DN40 SFT43-F8 ， SFT43-F8F DN40-DN50 SFT43-F08 ， SFT43-F08F DN40-DN50 SFT43-F12 ， SFT43-F12F DN80-DN100
Connection	Screwed End BSPT Flanged End DIN Standard
Body Material	Ductile Iron body A536
Internal Material	Stainless Steel 304
PMO	Max. operating pressure for saturated steam service: 14 barg
TMO	Max. operating temperature: 230°C @ 11.9 barg
Max. working back pressure	Should not exceed ≥ 80% PMO
Valve seat Inspection and Testing	According to API – 598 STD
Application	Suitable for heat exchanger, air preheater, mainline drainage

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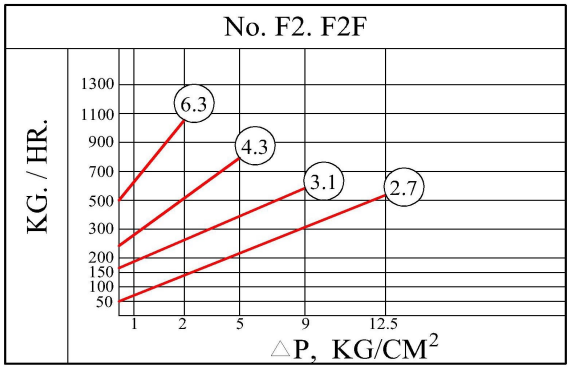
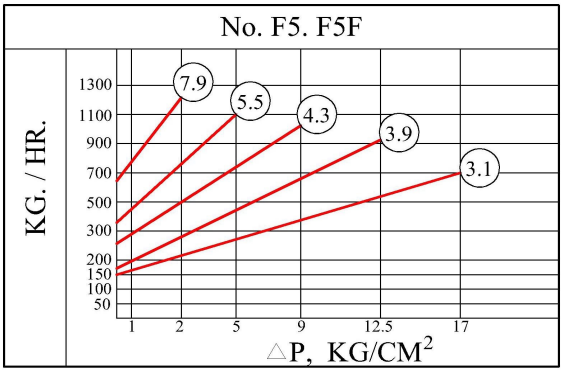
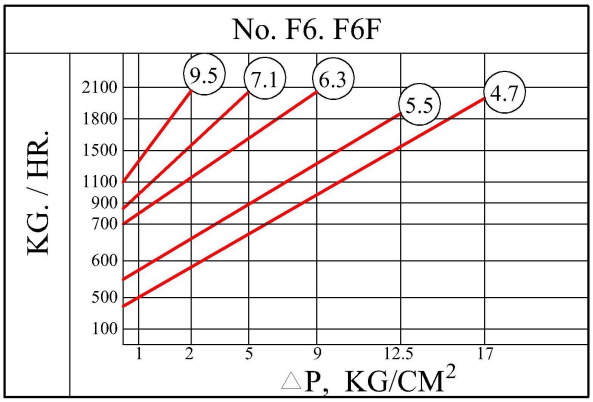
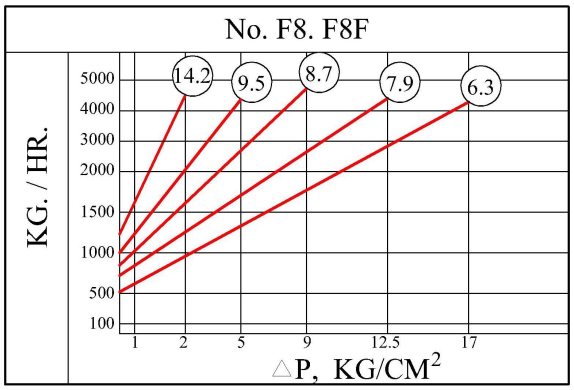
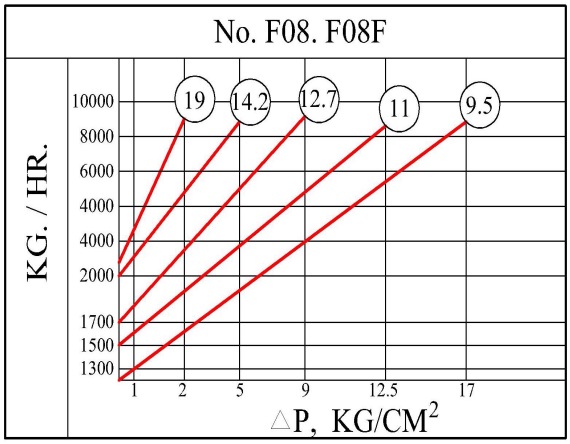
Sizing Capacities ： Condensate load in kg/hr.

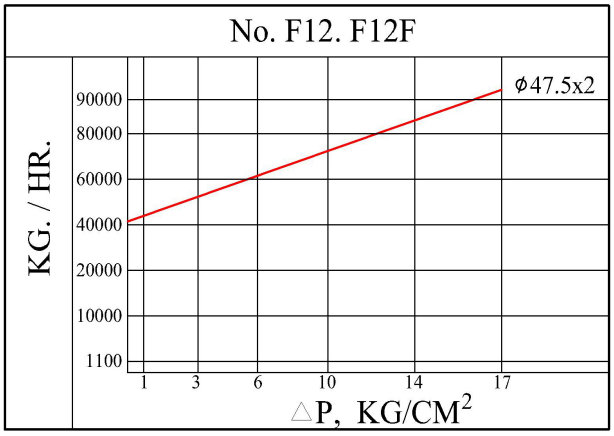












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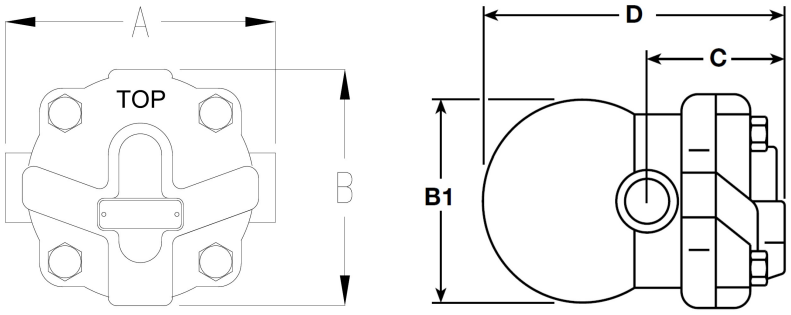
Dimensions /weights **(approximate) in mm and kg**



MODEL	SIZE	A	B	C	D	B1	PMO	Weight Kg
F2	15.20	125	110	67	147	96	14 BARG	2.9
F2	25	145	107	75	166	117	14 BARG	4.0

Materials

Body	Ductile Iron A536
Float	Stainless Steel SS304
Internal mechanism	Stainless Steel SS304
Valve seat	Hardened chromium steel
Air vent assemble	Stainless Steel SS304
Gasket	Reinforced graphite
Bolt & Nut	Steel

Products advantages and features

1) The valve seat of the float trap is made of hardened chromium steel, which is wear-resistant and corrosion-resistant.
2) There are multiple choices of discharge orifice, corresponding to different operating pressures to meet the condensate discharge requirements.
3) Continuous discharge of hot condensate integral with air venting facility.
4) The inlet of the trap is equipped with a baffle plate which is to prevent the condensate from hitting on to the ball float
5) Internal parts such as main valve assy, ball float and air vent assy are available

Installation and Application

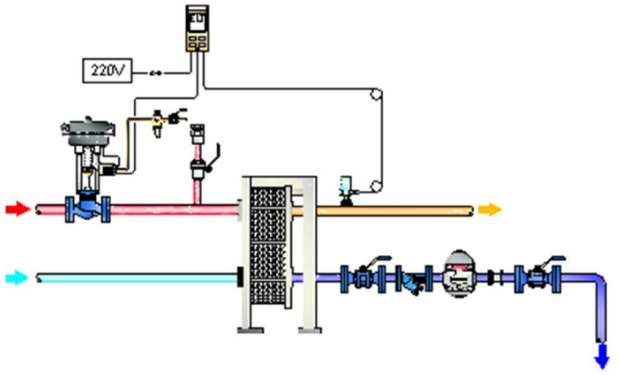
1） Orientation: Installed horizontally

2） It is recommended to install an external Y-Strainer before the steam trap as to arrest pipe scale, dirts, debris of the pipeline from entering the trap and affecting the failure of the valve seat to close.

3) For heat exchange equipment, if a control valve or solenoid valve is installed at the front of the steam, a vacuum breaker may be required to be installed. The reason is that, when the control valve is closed, a vacuum may be generated as steam will quickly dissipate heat and high condensation will be occurred. Therefore, when the control valve restarts, the condensate will quickly enter the equipment, which will cause vibration due to water hammering and may damage the equipment and steam trap.

When the control valve is closed, the vacuum breaker valve will open and the steam pipe will be introduced into atmospheric pressure. At this time, if the equipment contains condensate, the condensate will flow into the trap based on gravity and discharge from the equipment.

ZAHO VB18 Vacuum Breaker



Warranty：

One year warranty will be given against manufacturing and material defects from the date of invoice.