BALL FLOAT STEAM TRAP

SFT44

SFT43

Size and pipe connections

DN32-DN50 Screwed BSP or NPT
DN15-DN150 Flanged EN 1092 PN16/PN25, ANSI

Material

Part	Material
Body/Cover	GGG40/A216 WCB/A351 CF8
Cover bolts	A193 B7
Cover gasket	Graphite+SS304 or ss316
Valve seat	A276 430
Ball float and lever	A240 304
Air vent assembly	A240 304

Note:1. The material can according to the customer's request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer's request.

Installation

Horizontal connections with flow from right to left.
Horizontal connections with flow from left to right.
Vertical connections with flow downwards.

Application

Ball float steam traps are extremely versatile and work efficiently on both light and heavy condensate loads. Although compact in size, their discharge capacity is high and continuous, ensuring maximum heat transfer. These traps are the best choice for draining plant with automatic temperature control.
(Double seat suitable for DN32~DN80,
Discharge capacity: 5000kg/h~20000kg/h)

Standard

Design standard: ISO6552; EN26704
Face to face dimension: EN26554
Test & inspection: EN26948

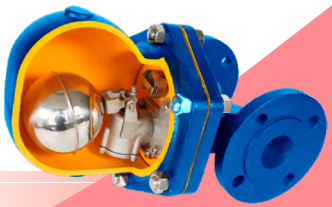
Limited condition(Nodular cast iron)

Body design conditions	PN16
PMO Maximum allowable pressure	14bar g
TMO Maximum allowable temperature	250 °C
ΔPMX Maximum differential pressure	4.5bar g
	/10bar g/ 14bar g

Limited condition (Carbon steel/stainless steel)

Body design conditions	PN40
PMO Maximum allowable pressure	32bar g
TMO Maximum allowable temperature	300 °C
ΔPMX Maximum differential pressure	4.5bar g
	/10bar g/ 14bar g/ 32bar g

Note: The working pressure difference of steam trap is selected according to the pressure difference of actual working condition. The pressure difference of actual working condition must be lower than the maximum working pressure difference of steam trap, such as 0.1bar-4.5bar, choose 4.5bar 4.5bar-10bar choose 10bar.



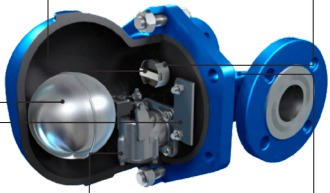
SFT43

SON Industrial
SON INDUSTRIAL COMPANY LIMITED
22A, TA13 Str, Thoi An Ward, Dist 12, HCMC
admin@sonindustrial.com

04 Stainless steel floating ball adopts advanced welding technology to resist water hammer and corrosion.

02 Stainless steel air vent assembly and seat liquid sac can be replaced on line.

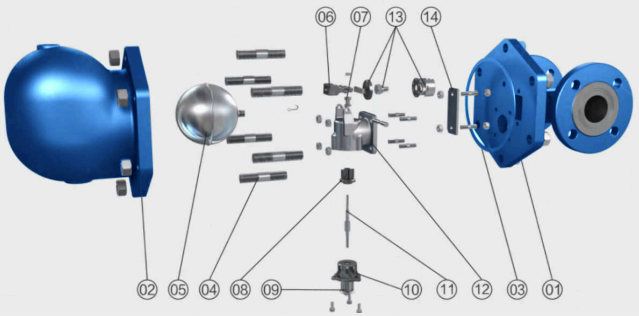
03 The air vent assembly can increase the discharge of condensate extra.



05 Stainless steel baffles are set up in the inlet of the valve cavity to resist water hammer.

01 Balanced double seat structure, small volume and large displacement, displacement is 2-3 times that of single seat structure

06 Optional installation direction: left to right, right to left, top to bottom.

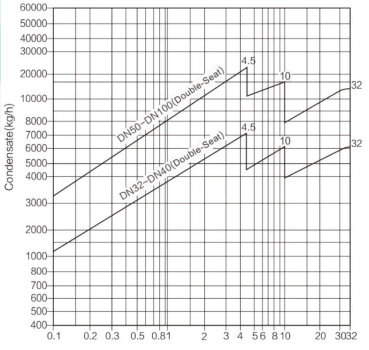


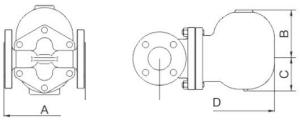
1. Body GGG40/A216 WCB/A351 CF8
2. Cover GGG40/A216 WCB/A351 CF8
3. Gasket A240 304+Graphite
4. Bonnet bolt A193 B7
5. Ball float A240 304
6. Yoke ASTM CF8
7. The first seat ASTM CF8
8. The first spool A276 430
9. The second spool A276 430
10. The second seat ASTM CF8
11. Stem A240 304
12. Seat bolt A193 B8
13. Air vent assembly
   A. A240 304
   B. 17-4PH
   C. A240 304
   D. A276 430
   E. A240 304
14. Baffle A240 304

SON INDUSTRIAL COMPANY LIMITED
22A, TA13 Str, Thoi An Ward, Dist 12, HCMC
admin@sonindustrial.com

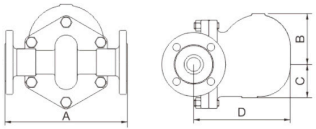
Capacities

SFT43, 44 (DN32~ DN100)



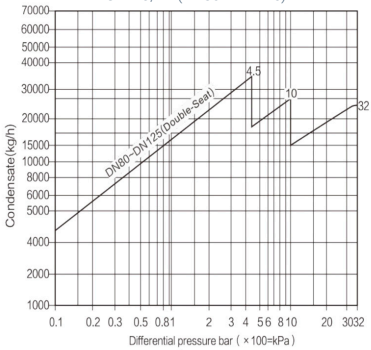


SFT43 DN32 ~ DN50



SFT44 DN32 ~ DN80

SFT43, 44 (DN80~ DN125)



SFT43 Flanged					
Size	A	B	C	D	Weight
DN32	230	140	125	330	26
DN40	230	140	125	330	26.5
DN50	230	140	125	330	26.5
SFT44 Flanged					
Size	A	B	C	D	Weight
DN32	320	129	90	250	27
DN40	330	129	90	250	27
DN50	330	129	90	250	27.5
DN65	340	129	90	260	29
DN80	350	129	90	260	34
DN100	350	129	90	270	40
DN125	350	129	90	280	45

The condensed water displacement in the figure above is based on the saturated temperature. When the steam equipment is just opened, the condensed water is in a cold state. Opening the hydrostatic exhaust air valve inside the steam trap can increase the condensed water displacement.

SON INDUSTRIAL COMPANY LIMITED
22A, TA13 Str, Thoi An Ward, Dist 12, HCMC
admin@sonindustrial.com