BALL FLOAT STEAM TRAP

SFT14HC

SFT14HCF

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.

Size and pipe connections

DN15-DN25 Screwed BSP or NPT
DN15-DN25 Flanged EN 1092 PN16/PN25, ANSI 150

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.

Standard

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

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	PN25
PMO Maximum allowable pressure	20bar g
TMO Maximum allowable temperature	300 °C
ΔPMX Maximum differential pressure	4.5bar g
	/10bar g/ 14bar 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.

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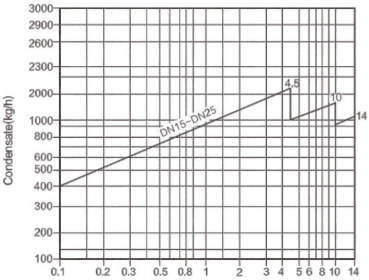
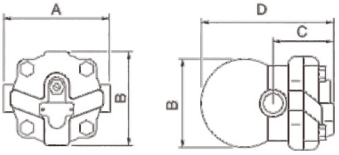
Capacities

SFT14HC (1/2" 3/4" 1")



Differential pressure bar (x 100=kPa)



SFT14HC (DN15~DN25)

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.

4.5bar	600kg/ h
10bar	1200kg/ h
14bar	1500kg/ h

SFT14HC Screwed					
Size	A	B	C	D	Weight
DN15	121	120	75	198	8.8
DN20	121	120	75	198	8.8
DN25	121	120	75	198	8.8
SFT14HCF Flanged					
Size	A	B	C	D	Weight
DN15	150	120	60	250	11
DN20	150	120	60	250	11
DN25	160	120	60	250	11

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