SFT16

Ball Float & Thermostatic Steam Trap

Description

The SFT16 is an SG iron bodied ball float steam trap having Stainless Steel working internals and integral automatic air venting facility.

Fluids handled

Saturated steam
Superheated steam
Condensate

Sizes and connections

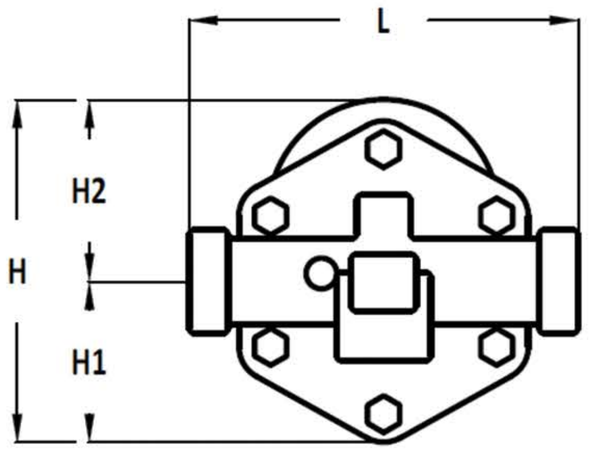
Screwed - BSP	1 1/2" & 2"

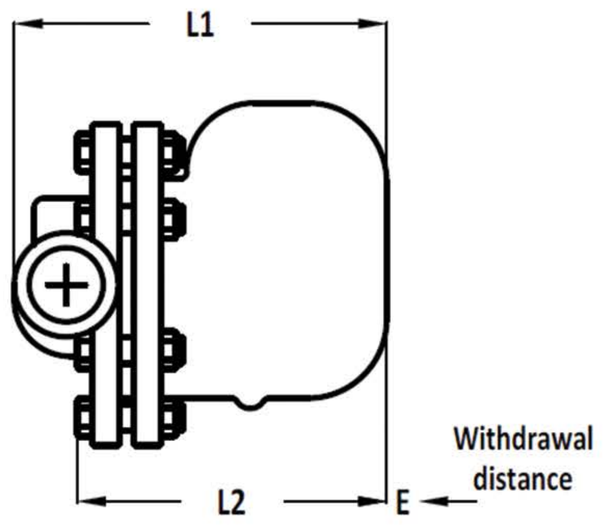
Limiting Conditions

Body design conditions	PN16
Maximum allowable pressure (PMA)	16 bar g @ 100 °C
Maximum allowable temperature (TMA)	250 °C @ 13 bar g
Maximum operating pressure (PMO)	14 bar g
Maximum operating temperature (TMO)	250 °C
Maximum differential pressure (DPMX)	4.5 bar g 10 bar g
Cold hydraulic test pressure	24 bar g

Dimensions and weights (mm and kg)

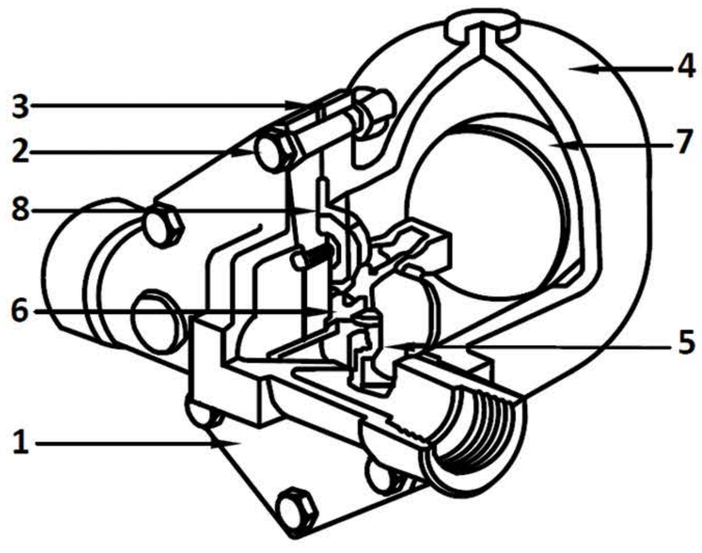
Size (DN).	L	L1	L2	H	H1	H2	E	Weight
40	270	274	244	236	109	127	201	17.5
50	300	287	249	264	124	140	206	22





Materials

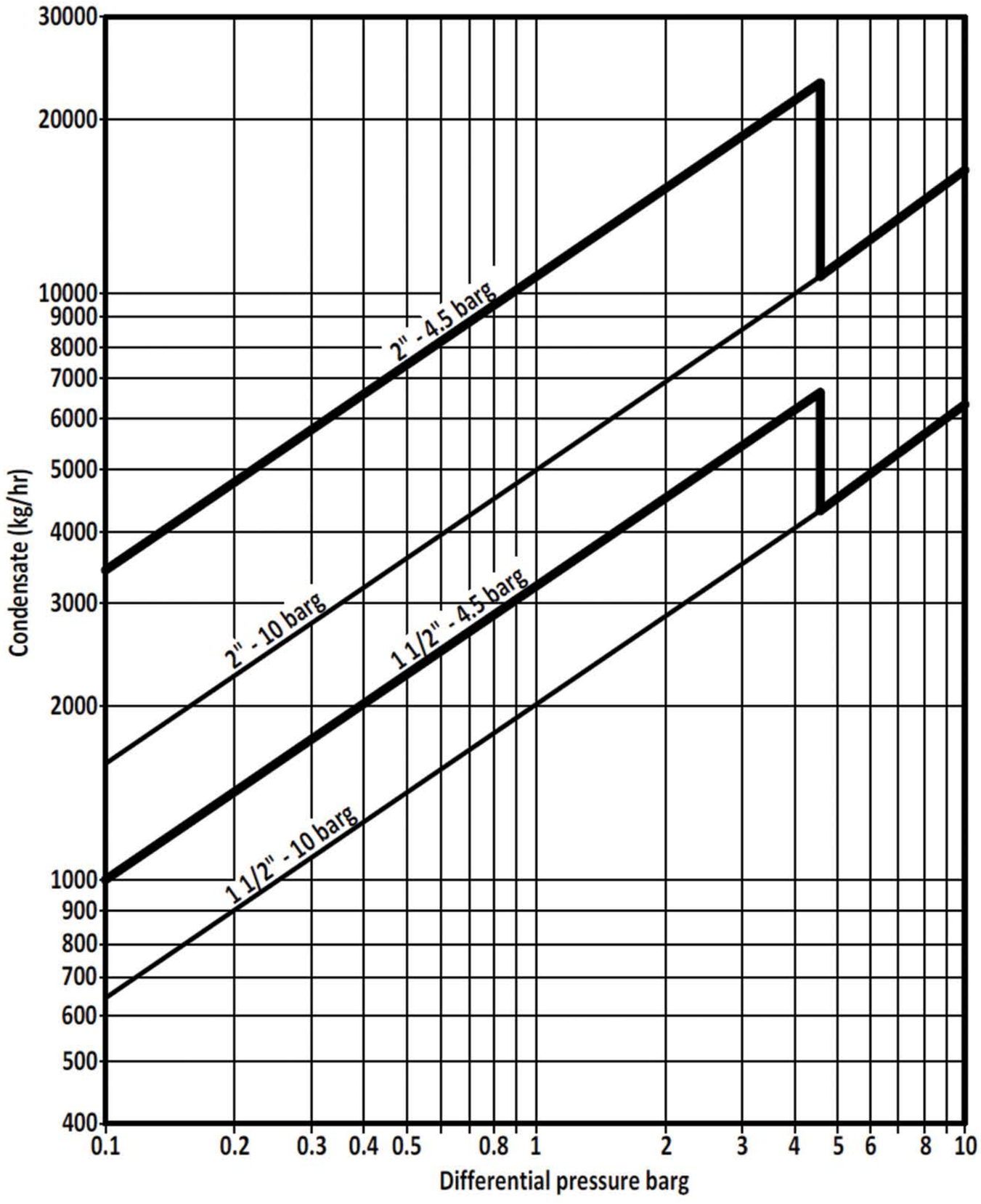
NO.	Part	Material	AISI
1	Cover	SG iron	GGG40
2	Cover bolts	Carbon Steel	Gr.8.8
3	Cover gasket	Exfoliated graphite	-
4	Body	SG iron	GGG40
5	Main valve assembly	Stainless Steel	304
6	Main valve gasket	Exfoliated graphite	304
7	Ball float & lever	Stainless Steel	304
8	Air vent assembly	Stainless Steel	304



Spare Parts

Description	Part NO.
Main valve assembly kit	5,6
Ball float kit	7
Air vent assembly kit	8
Cover gasket kit	3

Steam Capacity Chart



Safety information, installation and maintenance

The STF16 must be installed with the direction of flow as indicated on the body, and with the float arm in a horizontal plane so that it rises and falls vertically. For maintenance, consideration should be given to fitting isolation valves upstream and downstream of the steam trap.

How to use the chart

Suppose that a trap for heat exchanger is required to discharge 5000 kg/hr of condensate (considering proper coefficient factor), while differential pressure is 4 bar g. Find the point at which 5000 kg/hr of condensate crosses the vertical 4 bar g differential pressure line. The first curve above the point deals with proper trap size.

*For full details see the Installation and Maintenance Instructions, supplied with the product.