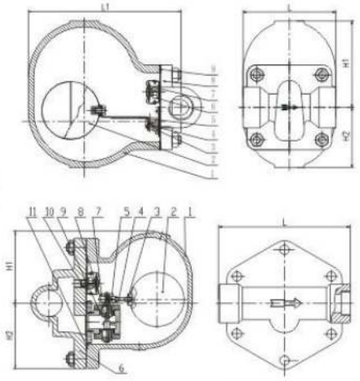
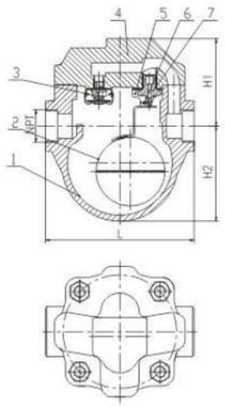
FT 13



FT 14



STRUCTURE CHARACTERISTICS

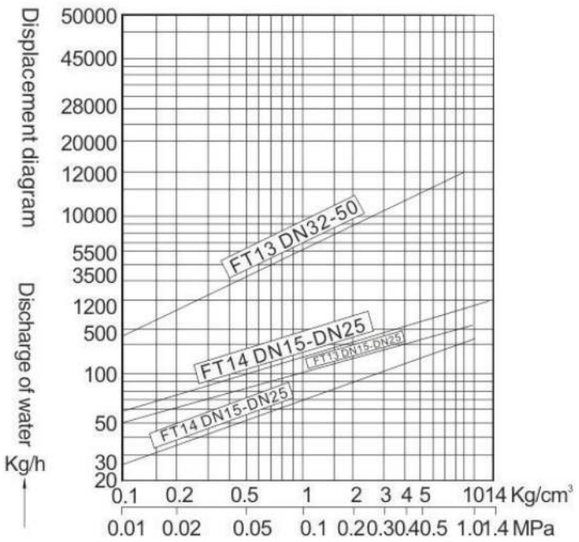
1、This type of steam trap is applied to balanced double seat or single seat with reliable closedown and long life circle.
2、There has always been high temperature condensation water upstream, which will form reliable water seal without any leakage of steam
3、Its operation will not cause any noise. Thus, it is preferable to the environment.
4、The valve is completely open when the steam firstly comes. The low temperature condensation water and air can be discharged rapidly, which largely shortens the start time of equipment.
5、All the internal parts are made of stainless steel, which is resistant to corrosion and cavitation erosion.

STANDARD

1.Design & manufacture: ASTM F 1139-1988
2.Face to face dimesion: ASME B 16.10-1992
3.Test & inspection: API 598
4.Thread standard: NPT or BSP
5. Flange ends: ASME/DIN/JIS

MAIN PARTS MATERIALS

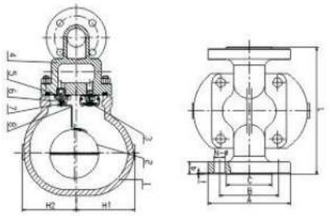
NO.	Part name	Material
1	Body	WCB
2	Float Ball	304
3	Seat	2Cr13
4	Disc	2Cr13
5	Yoke	304
6	Seat	2Cr13
7	Bonnet	WCB
8	Gastket	304+Graphite
9	Venting Groupware	304

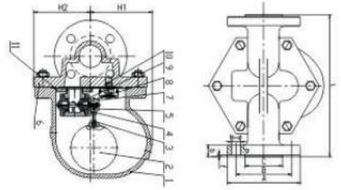


SPECIFICATION

MODEL	PRESSURE	TEMP.	Body Material	Connection	Main dimensions				
					SIZE	L	L1	H1	H2
FT14			WCB	Thread	DN15 (½")	125	150	85	65
FT14			WCB	Thread	DN20 (3/4")	125	150	85	65
FT14	PN16		WCB	Thread	DN25 (1")	145	157	95	70
FT13	PN25		WCB	Thread	DN15 (1/2")	120	205	115	80
FT13	PN40	Max. 350℃	WCB	Thread	DN20 (3/4")	120	205	115	80
FT13	150LB		WCB	Thread	DN25 (1")	120	205	115	80
FT13	300LB		WCB	Thread	DN32 (1–1/4")	250	355	150	100
FT13			WCB	Thread	DN40 (1–1/2")	250	355	150	100
FT13			WCB	Thread	DN50 (2")	250	355	150	100

FT43

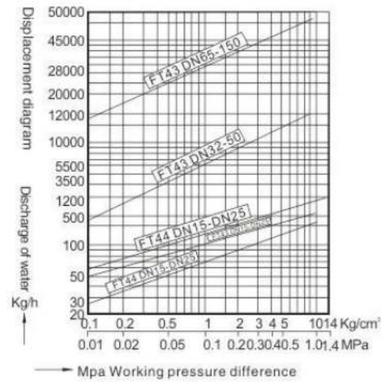




FT44

STRUCTURE CHARACTERISTICS

1、This type of steam trap is applied to balanced double seat or single seat with reliable closedown and long life circle.
2、There has always been high temperature condensation water upstream, which will form reliable water seal without any leakage of steam
3、Its operation will not cause any noise. Thus, it is preferable to the environment.
4、The valve is completely open when the steam firstly comes. The low temperature condensation water and air can be discharged rapidly, which largely shortens the start time of equipment.
5、All the internal parts are made of stainless steel, which is resistant to corrosion and cavitation erosion.



STANDARD

1.Design & manufacture: ASTM F 1139-1988
2.Face to face dimesion: ASME B 16.10-1992
3.Test & inspection: API 598
4.Thread standard: NPT or BSP
5. Flange ends: ASME/DIN/JIS

MAIN PARTS MATERIALS

NO.	Part name	Material
1	Body	WCB
2	Float Ball	304
3	Seat	2Cr13
4	Disc	2Cr13
5	Yoke	304
6	Seat	2Cr13
7	Bonnet	WCB
8	Gastket	304+Graphite
9	Venting Groupware	304

SPECIFICATION

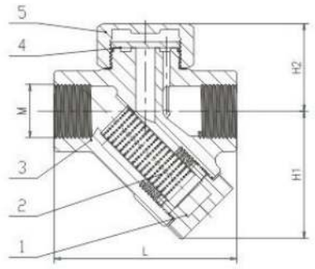
MODEL	PRESSURE	TEMP.	Body Material	Connection	Main dimensions			
					SIZE	L	H1	H2
FT43			WCB	Flange	DN15 (1/2")	150	115	80
FT43	PN16–PN40		WCB	Flange	DN20 (3/4")	150	115	80
FT43	150LB–300LB		WCB	Flange	DN25 (1")	160	115	80
FT43	DIN AND ANSI		WCB	Flange	DN32 (1–1/4")	230	150	100
FT43	STANDARD		WCB	Flange	DN40 (1–1/2")	230	150	100
FT43			WCB	Flange	DN50 (2")	230	150	100
FT43			WCB	Flange	DN65	450	240	175
FT43	PN16–PN40		WCB	Flange	DN80	450	240	175
FT43			WCB	Flange	DN100	450	240	175
FT43		Max. 350℃	WCB	Flange	DN65	400	240	175
FT43	PN64		WCB	Flange	DN80	400	240	175
FT43	DIN STANDARD		WCB	Flange	DN100	400	240	175
FT43			WCB	Flange	2–1/2"	450	240	175
FT43	150LB		WCB	Flange	3"	450	240	175
FT43	ANSI STANDARD		WCB	Flange	4"	450	240	175
FT43			WCB	Flange	2–1/2"	480	240	175
FT43	300LB		WCB	Flange	3"	480	240	175
FT43	ANSI STANDARD		WCB	Flange	4"	480	240	175

ARITA
Valves, Fittings & Controls

THERMODYNAMIC DISC STEAM TRAP

TD42

TD42F



STRUCTURE CHARACTERISTICS

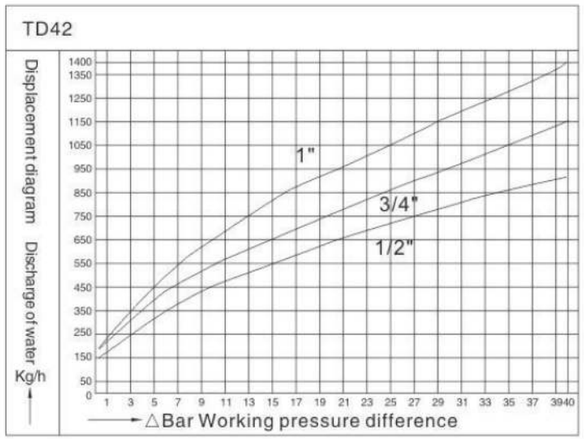
1、It has the steam or air thermal insulation device, which will not be affected by the environmental humidity. It reduces the frequency of motion and lengthens the lifetime.
2、It is equipped with filter and drain valve.
3、It is sensitive and reliable in operation with large capacity.

MAIN PARTS MATERIALS

No.	Part name	Material
1	Plug screw	45#
2	Screen	304
3	Body	WCB
4	Valve plate	Q 235
5	Bonnet	WCB

TECHNICAL REQUESTS

1.Design & manufacture: ASTM F 1139-1988
2.Face to face dimesion: ASME B 16.10-1992
3.Test & inspection: API 598
4.Thread standard: NPT or BSP
5. Flange ends: ASME/DIN/JIS



MAIN APPLICATION

This type of steam trap is suitable for steam piping and steam equipment. It can prevent the lekage of steam and drain condensation water, which thus can save energy and prevent water hammer situation and the trouble caused by it.

SPECIFICATION

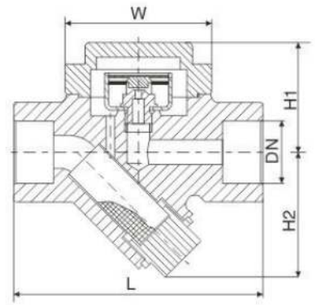
Product model	Side (DN)	Connection Type	Max. allowable temp.℃	Meterial of valve body	dimension			
					L	H1	H2	W
TD42F	15	Flange	350	WCB	150	47	54	61
	20	Flange	350	WCB	150	52	59	61
	25	Flange	350	WCB	150	59	62	61

Product model	Side (DN)	Connection Type	Max. allowable temp.℃	Meterial of valve body	dimension			
					L	H1	H2	W
TD42	Internal Thread 1/2"	15	350	WCB	75	47	54	47
	Internal Thread 3/4"	20	350	WCB	80	52	59	57
	Internal Thread 1"	25	350	WCB	90	70. 5	89. 5	57

SYPLPHON TYPE
STEAM TRAP

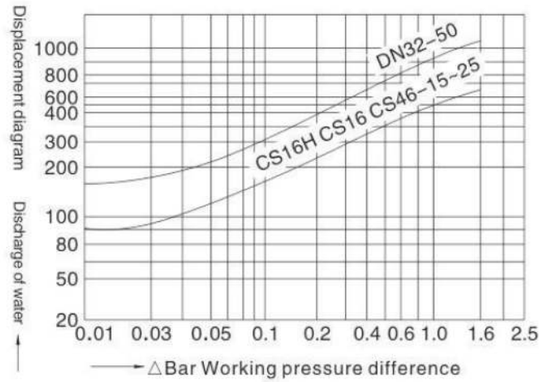
ARITA
Valves, Fittings & Controls

CS16H



STRUCTURE CHARACTERISTICS

1、It is excellent in air discharge capacity, and is resistant to overheating steam and water hammer.
2、It has a certain circled operation when the temperature is too low during a certain scale of pressure.
3、The valve body is loaded with sylphon, which can be one single unit, or double units, or even multiunits. It can also be applied into the occasions which requires for large discharge capacity.
4、It is equipped with temperature-sensing element and is strong in corrosion resistance, which makes the valves much durable in service.
5、The valve body can be WCB or stainless steel with small size and light weight. Vertical installation will show the best performance of valves, while they can also be installed in any angle.



WORKING PRINCIPLE

This type of thermostatic steam traps works by the welded stainless steel thermostatic element expanding with heat and contracting with cold. When the air and condensation water is getting into the valve body, the valve is in the "open" status. And after they have gotten into it, the thermostatic element will expand and close the steam trap tightly.

MAIN APPLICATION

Sylphon type steam trap is widely applied in hot steam main line, steam-traced pipe, dryer and industrial heating steam equipment system and so on.

SPECIFICATION

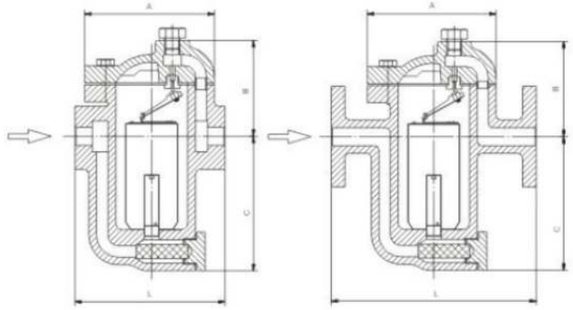
Product model	Caliber(DN)	Connection Type	Applicable pressure (MPa)	Max. allowable temp.℃	Meterial of valve body	dimension			
						L	H1	H2	W
CS16HF-16C	15~20	Internal Thread	0.01~1.6	250	WCB	100	58	55	70
	25	Internal Thread	0.01~1.6	250	WCB	120	58	55	70
	32~40	Internal Thread	0.01~1.6	250	WCB	150	68	68	90
	50	Internal Thread	0.01~1.6	250	WCB	160	68	68	90
CS46H-16C	15~20	Flange	0.01~1.6	250	WCB	150	58	55	70
	25	Flange	0.01~1.6	250	WCB	160	58	55	70
CS46H-16C	32~50	Flange	0.01~1.6	250	WCB	230	85	60	120

ARITA
Valves, Fittings & Controls

INVERTED BUCKET TYPE STEAM TRAP

L880 L883
L881 L884
L882 L885

L880F L883F
L881F L884F
L882F L885F



SIDE ACCESS, WITH FILTERS, EXTERNAL DIMENSIONS(MM)

Type	Size	A	B	C	L	Maximum pressure kg/cm²
L880	1/2" 3/4"	96	76	70	128	17
L881	1/2" 3/4" 1"	96	76	100	128	28
L882	3/4" 1" 1 1/4"	145	94	137	170	27
L883	1" 1 1/4" 1 1/2"	180	120	193	202	31
L884	1 1/4" 1 1/2" 1"	203	150	212	232	37
L885	1 1/2" 2"	220	148	248	250	25

Type	Size	A	B	C	L	Maximum pressure kg/cm²
L881F	15.20.25	96	76	100	170	28
L882F	20.25.32	145	94	137	210	27
L883F	25.32.40	180	120	193	270	31
L884F	32.40.50	203	170	212	320	37
L885F	40.50	220	148	248	350	25
L886F	65.80	265	220	310	400	35

Model	Diameter	A	B	C	L	Maximun pressure (kg/cm²)
L883	1/2"–1"	180	147	195	240	55
L883F	15–25	180	147	195	300	55
L885	1 1/4"–2"	220	165	225	280	48
L885F	32–50	220	165	225	350	48

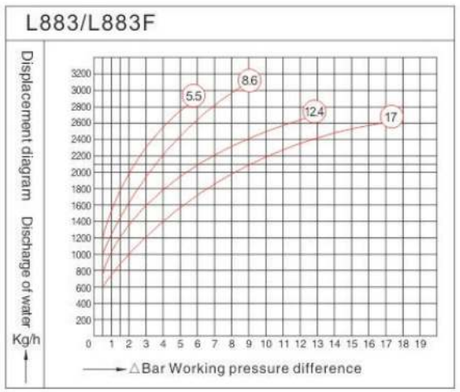
THE TABLE SHOWS THE WATER DISCHARGE CAPACITY OF THE INVERTED BUCKET TYPE STEAM TRAP. (KG/HR) WHEN WHEN YOU SELECT THE MODEL, PLEASE TAKE 2–3 TIMES OF SAFELY FACTOR INTO CONSIDERATION.

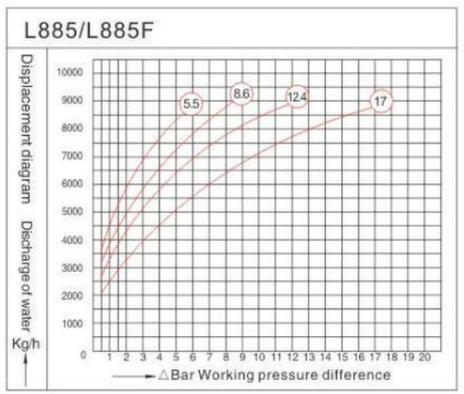
TRAP MODEL		L880	881 L881F 81	882 L882F 82	883 L883F 83	884 L884F 84	885 L885F 85	L886F 86
△P kg/cm²	0.5	240	420	800	1520	2500	3960	7190
	1	280	470	930	1750	2950	4500	8600
	2	230	460	930	1800	3020	4500	8150
	4	260	410	920	2000	3050	4400	8800
	8	280	380	800	1560	2600	4600	8000
	9	310	420	900	1750	2950	4900	8850
	10	260	365	660	1550	2550	4500	8450
	12	200	380	720	1730	2880	4850	9000
	15	230	335	560	1500	2500	3000	8400
	17	250	350	600	1550	2600	3200	8650
	21		240	864	1200	2200	3400	7200
	25		250	900	1300	2400	2900	7800

Trap number	△P kg/cm²											
	0.5	1	2	4	9	8	10	12	15	17	21	25
L883 L883F							1240	1384	1200	1240	960	1040
L885 L885F							3600	3880	2400	2560	2720	2330

INVERTED BUCKET TYPE STEAM TRAP

ARITA
Valves, Fittings & Controls





SELECTION OF CONDITIONS FOR ORDERING THE CORRECT

The users may choose the discharge capacity of steam trap as per Max. condensation water which is equal to Max. steam consumption of the machine by multiplying factor(2–3 times), Max operating differential pressure of steam trap,(namely, working pressure before the valve minus the back pressure behind the valve), shall be specified if there is any back pressure. Maximum working temperature of the steam trap, drainage operating mode, connecting type and body material.