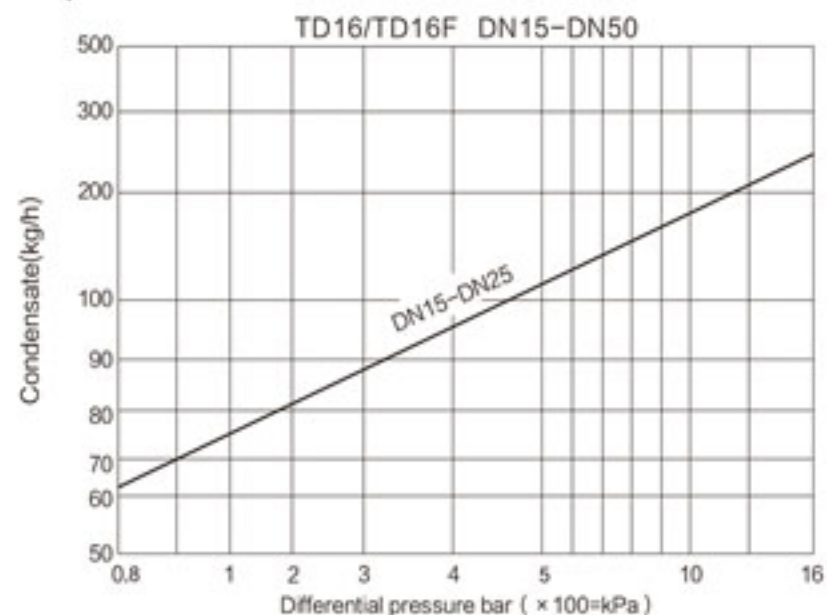


Capacities



881



881



883

Application

Inverted bucket traps are the most robust type of the mechanical traps and will resist water hammer. When the check valve option has been fitted in the inlet, they can be used with superheated steam. They are available with a wide selection of valve orifices for precise pressure and load matching.



881F



881F



883F

Size and pipe connections

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

Standard

Design standard: : ISO6552; GB/T22654
 Face to face dimension: EN26554; GB/T12250
 Test & inspection: EN26948; GB/T12251

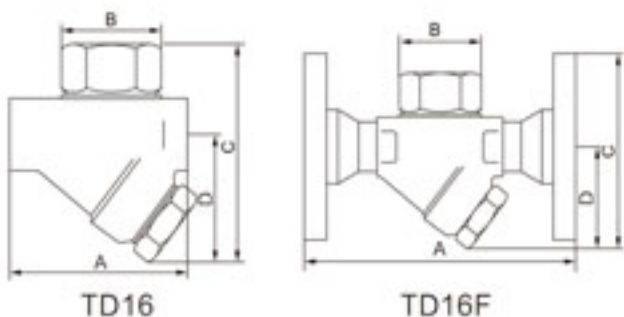
Material

Part	Material
Body TD16, TD16F	Stainless ironA743 CA40F Stainless steelA351 CF8
Cap	A276 420
Disc	A276 420
Strainer screen	A240 304

Note:The trap seat is the body material, the CA40F hardening process is heat treatment, and the CF8 hardening process is surfacing or spray welding.

TD16 / TD16F Limited condition(Stainless iron / Stainless steel)

Body design conditions	PN40
PMO Maximum allowable pressure	32Bar g
TMO Maximum allowable temperature	300°C



Dimensions/weights(approximate)in mm and kg

Screwed connections

TD16

Size	A	B	C	D	Weight
DN15	78	57	96	55	0.8
DN20	85	57	104	60	1.0
DN25	95	57	113	65	1.5

Flanged connections

TD16F

Size	A	B	C	D	Weight
DN15	150	57	96	55	2.0
DN20	150	57	104	60	2.7
DN25	160	57	113	65	4.0

Size and pipe connections

DN15-DN50 Screwed BSP or NPT
 DN15-DN80 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
Bucket and lever	A240 304
Strainer	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.

Limited condition

Body design conditions	PN40
PMA Maximum allowable pressure	40Bar g
TMA Maximum allowable temperature	300°C
Maximum differential pressure (ΔPMX)	20Bar



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)

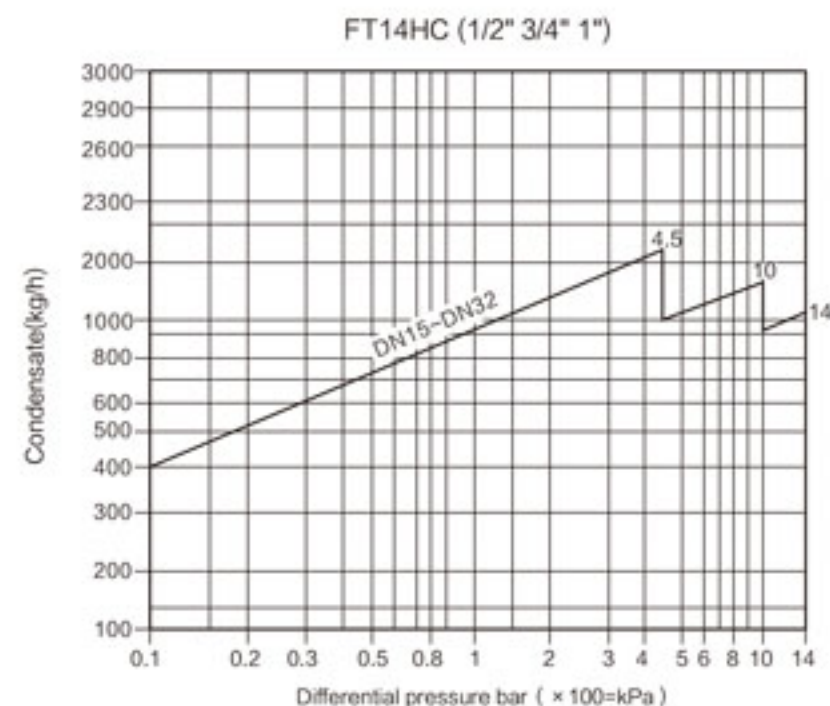
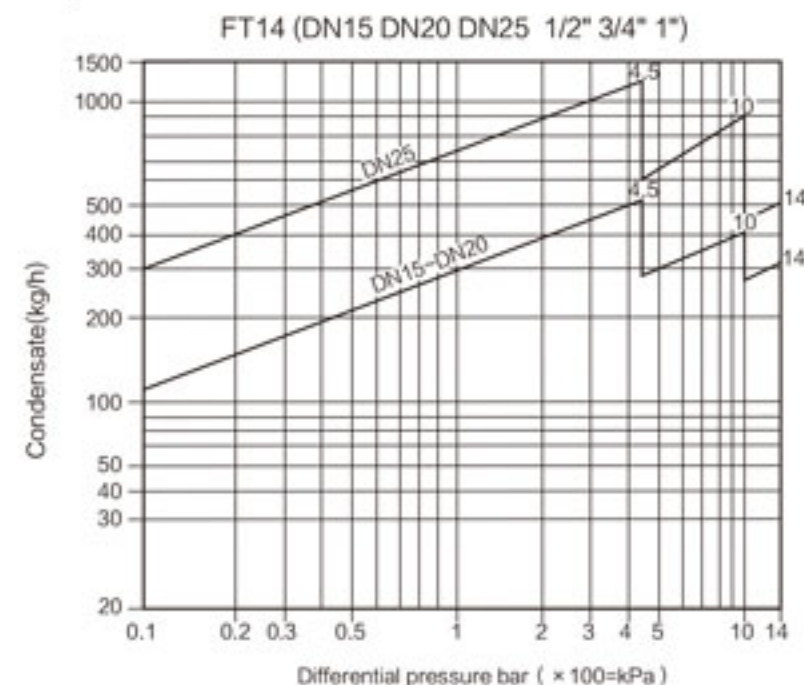
Body design conditions	PN16
PMO Maximum allowable pressure	14bar g
TMO Maximum allowable temperature	250 °C
ΔPMX Maximum differential pressure	4.5bar g / 10bar g / 14bar g

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

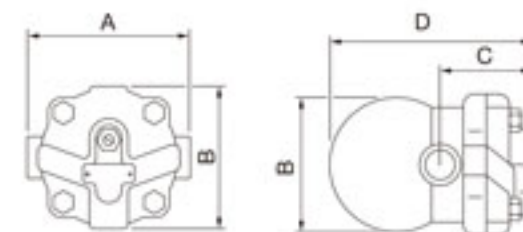
Note: The working pressure difference of steam trap is selected according to the pressure difference of actual working condition. The pressure difference of actual working condition must be lower than the maximum working pressure difference of steam trap, such as 0.1bar–4.5bar, choose 4.5bar; 4.5bar–10bar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

Capacities

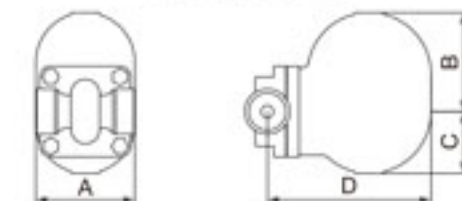


The condensed water displacement in the figure above is based on the saturated temperature. When the steam equipment is just opened, the condensed water is in a cold state. Opening the hydrostatic exhaust air valve inside the steam trap can increase the condensed water displacement.

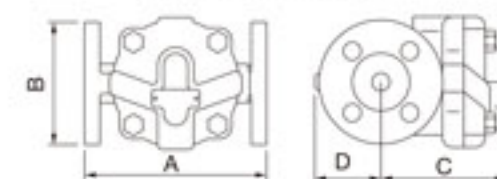
4.5bar	600kg/h
10bar	1200kg/h
14bar	1500kg/h



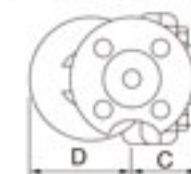
FT14 DN15-DN25



FT14HC DN15-DN25



FT14 DN15/DN20



FT14 DN25

Dimensions/weights(approximate)in mm and kg

FT14 Screwed

Size	A	B	C	D	Weight
DN15	121	107	67	147	2.8
DN20	121	107	67	147	2.8
DN25	145	107	67	166	4

FT14HC 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

FT14 Flanged

Size	A	B	C	D	Weight
DN15	150	107	101	55	4.5
DN20	150	107	101	55	5.0
DN25	160	70	70	100	6.5



Size and pipe connections

DN32-DN50 Screwed BSP or NPT

DN15-DN65 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.

Standard

Design standard: ISO6552; EN26704

Face to face dimension: EN26554

Test & inspection: EN26948

Limited condition(Nodular cast iron)

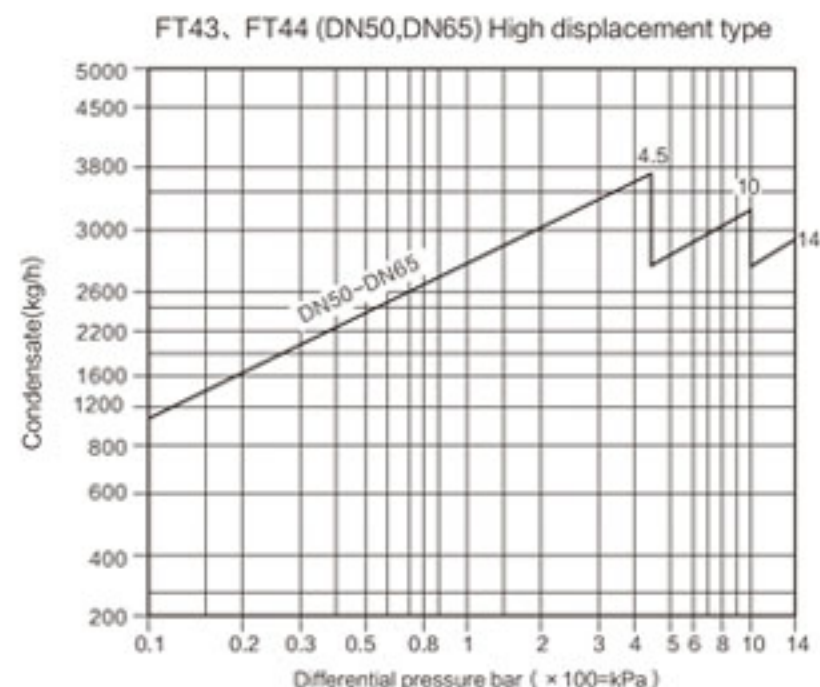
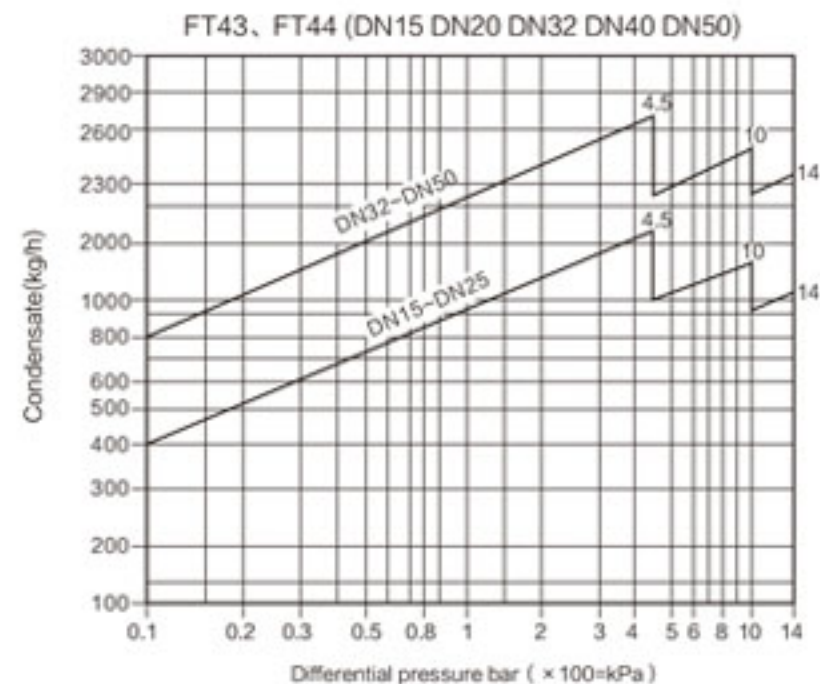
Body design conditions	PN16
PMO Maximum allowable pressure	14bar g
TMO Maximum allowable temperature	250 °C
ΔPMX Maximum differential pressure	4.5bar g / 10bar g / 14bar g

Limited condition(Carbon steel/stainless steel)

Body design conditions	PN40
PMO Maximum allowable pressure	25bar g
TMO Maximum allowable temperature	300 °C
ΔPMX Maximum differential pressure	4.5bar g / 10bar g / 14bar g

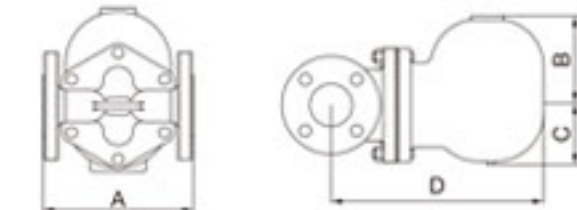
Note:The working pressure difference of steam trap is selected according to the pressure difference of actual working condition. The pressure difference of actual working condition must be lower than the maximum working pressure difference of steam trap, such as 0.1bar-4.5bar,choose 4.5bar;4.5bar-10bar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

Capacities

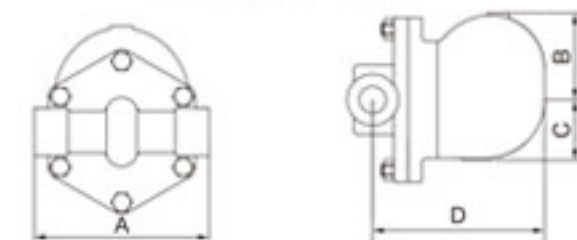


The condensed water displacement in the figure above is based on the saturated temperature. When the steam equipment is just opened, the condensed water is in a cold state. Opening the hydrostatic exhaust air valve inside the steam trap can increase the condensed water displacement.

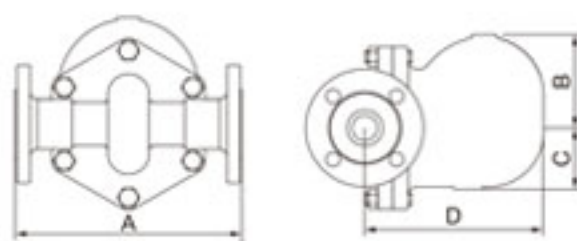
4.5bar	700kg/h
10bar	1300kg/h
14bar	1600kg/h



FT43 DN15-DN50



FT14 DN32-DN50



FT44 DN32-DN65

Dimensions/weights (approximate) in mm and kg

FT43 Flanged

Size	A	B	C	D	Weight
DN15	150	105	70	250	9
DN20	150	105	70	250	9.2
DN25	160	105	70	250	9.5
DN32	230	115	75.5	335	20
DN40	230	115	75.5	335	20
DN50	230	115	75.5	350	21.5

FT44 Flanged

Size	A	B	C	D	Weight
DN32	270	115	75.5	225	19.5
DN40	270	115	75.5	225	19.5
DN50	270	115	75.5	225	20
DN65	270	115	75.5	225	22

FT14 Screwed

Size	A	B	C	D	Weight
DN32	270	115	75.5	225	19.5
DN40	270	115	75.5	225	19.5
DN50	270	115	75.5	225	20



Size and pipe connections

DN32-DN50 Screwed BSP or NPT

DN15-DN150 Flanged EN 1092 PN16/PN25, ANSI 150

Standard

Design standard: ISO6552; EN26704

Face to face dimension: EN26554

Test & inspection: EN26948

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.

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

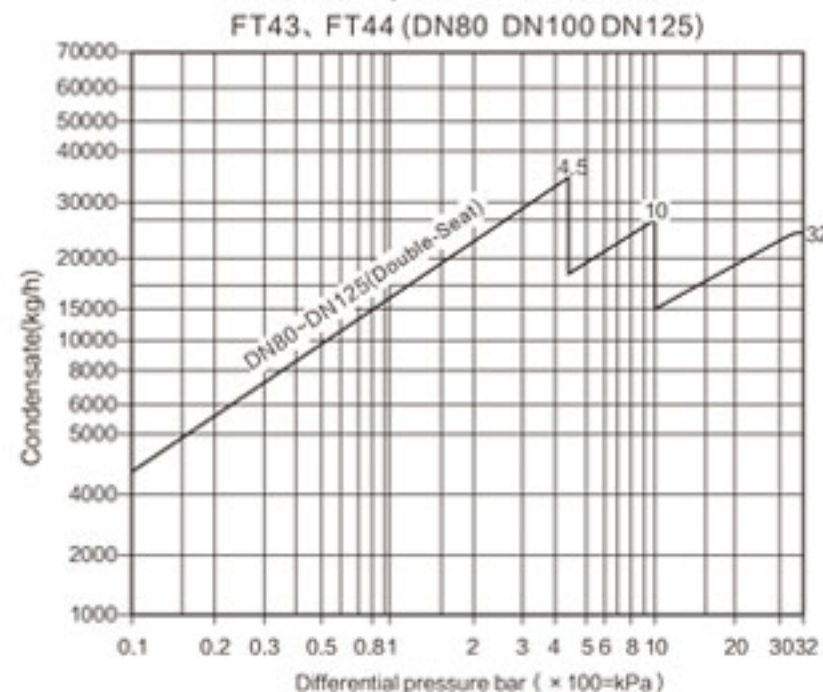
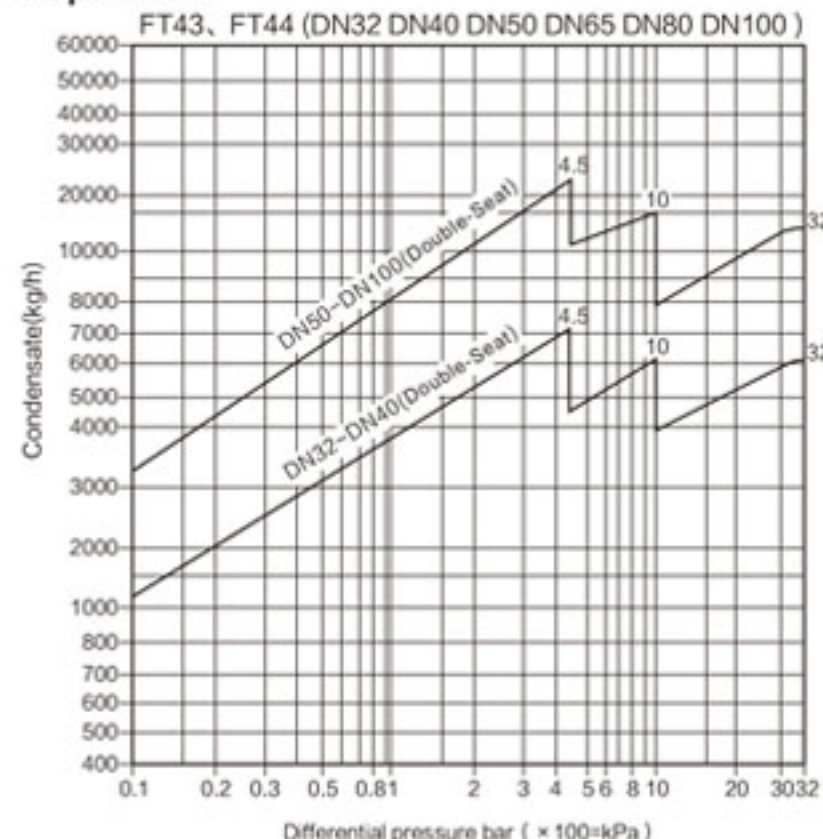
Limited condition(Carbon steel/stainless steel)

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.

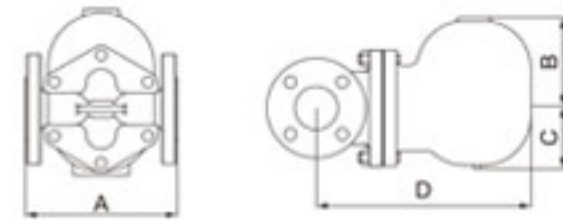


Capacities

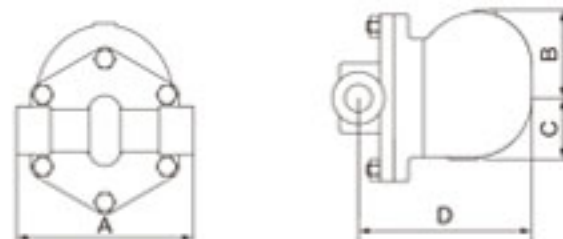


The condensed water displacement in the figure above is based on the saturated temperature. When the steam equipment is just opened, the condensed water is in a cold state. Opening the hydrostatic exhaust air valve inside the steam trap can increase the condensed water displacement.

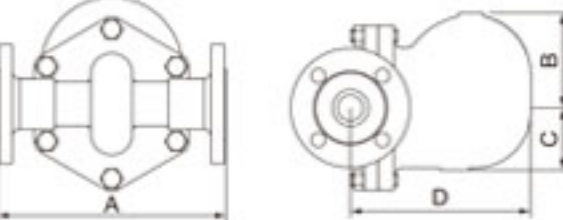
4.5bar	600kg/h
10bar	1200kg/h
14bar	1500kg/h



FT43 DN32-DN50



FT14 DN32-DN50



FT44 DN32-DN80

Dimensions/weights(approximate)in mm and kg

FT43 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

FT44 Flanged

Size	A	B	C	D	Weight
DN32	320	129	90	250	27
DN40	320	129	90	250	27
DN50	320	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



CS11H Screwed



CS11H Screwed



CS41H Flanged



CS41H Flanged

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.

Size and pipe connections

DN32–DN50 Screwed BSP or NPT

DN15–DN150 Flanged EN 1092 PN16/PN25, ANSI 150

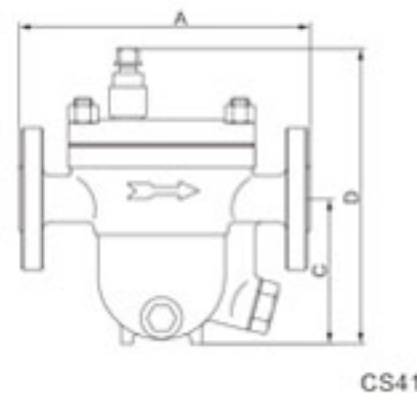
Material

Part	Material
Body/Cover	A216 WCB
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

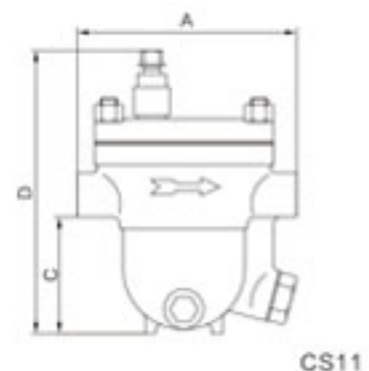
Note:1.The material can according to the customer's request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer's request.

Limited condition

Body design conditions	PN40
PMO Maximum allowable pressure	40Bar g
TMO Maximum allowable temperature	300°C
ΔPMX Maximum differential pressure	32Bar

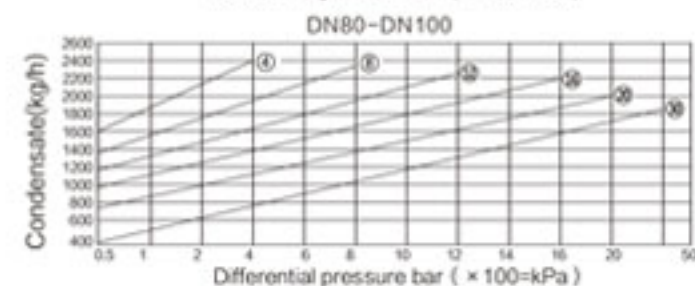
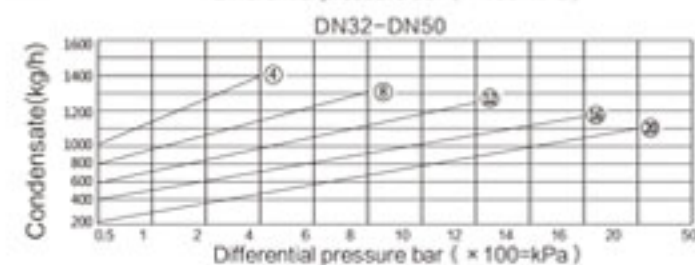
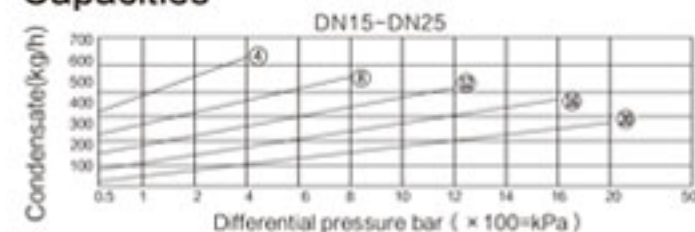


CS41



CS11

Capacities



Installation

Horizontal connections with flow from left to right.

Standard

Design standard: ISO6552;

Face to face dimension: EN26554;

Test & inspection: EN26948;

Dimensions/weights(approximate)in mm and kg

CS41 Flanged

Size	A	B	C	D
15	195	120	97	195
20	195	126	103	200
25	215	130	105	210
32	270	172	130	240
40	280	172	140	250
50	290	172	140	250
65	340	210	175	300
80	380	220	190	325
100	430	260	225	410
125	480	280	260	420
150	480	302	311	506

CS11 Screwed

Size	A	B	C	D
15	155	105	97	195
20	155	105	103	200
25	155	115	105	210
32	160	120	116	220
40	160	120	116	220
50	160	120	123	235



CS49 PN64



CS69 PN64

Application

High pressure thermodynamic steam trap can be used for 6.0mpa-16mpa main steam trap group, can be replaced valve group.

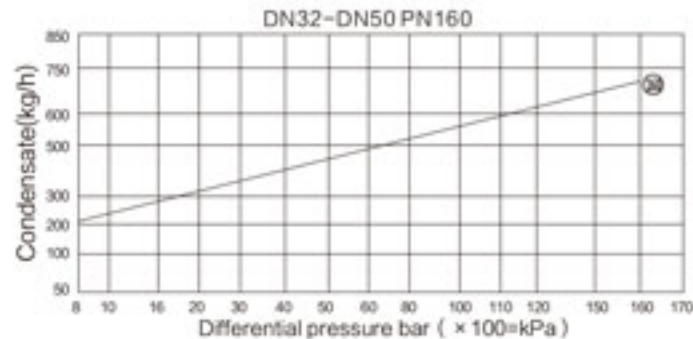
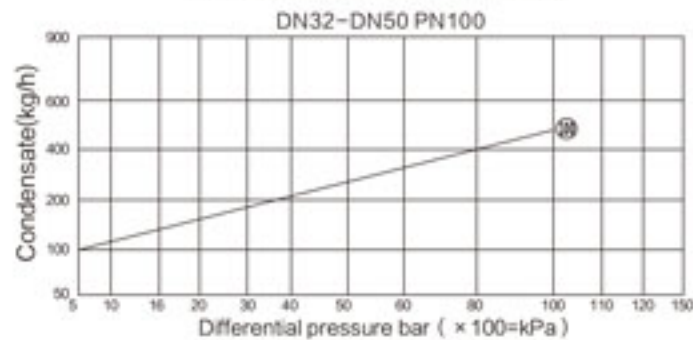
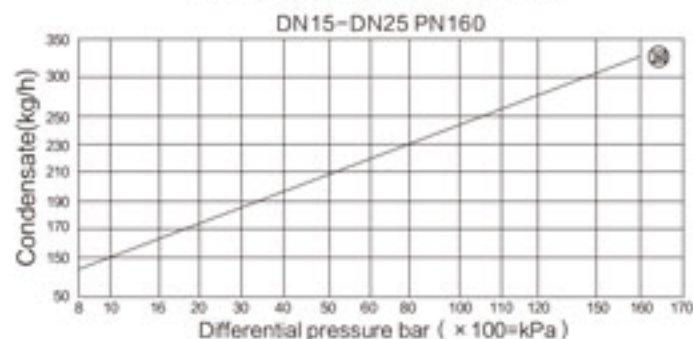
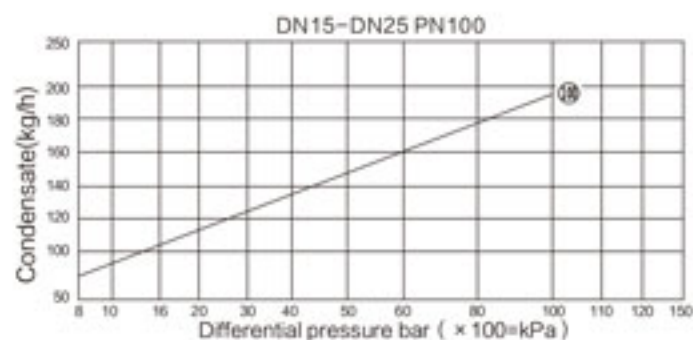
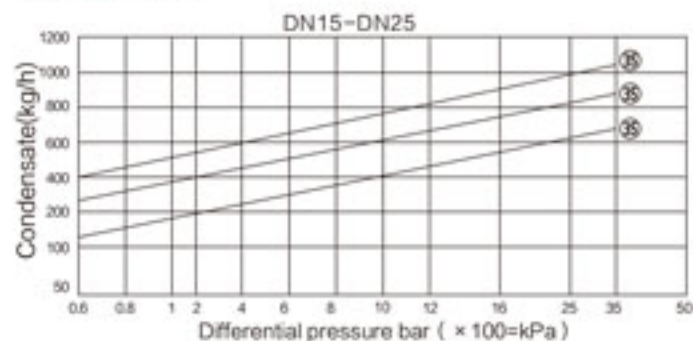


KRF150
CS49Y-160I



HRW150-160
CS69Y-160I

Capacities



Size and pipe connections

DN15-DN50 BSP or SW, BW

DN15-DN50 Flanged GB/9113 PN63/PN160 ANSI 600/900

Material

Part	Material
Body / Cover PN64	Cast steel A216 WCB /A217 WC6
Body / Cover PN100-160	Forged steel ASTM A05/F11/F12
Disc	A276 420
Seat	A276 420
Strainer screen	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.

Limited condition

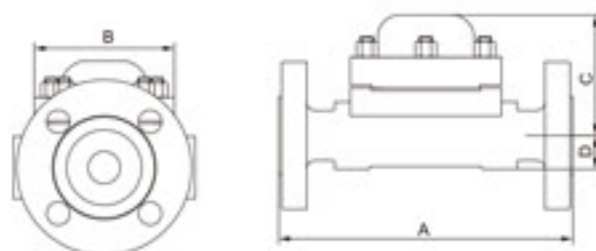
Body design conditions	PN64/PN160
PMA Maximum allowable pressure	64Bar g/160Bar g
TMA Maximum allowable temperature	425°C/550°C
Maximum differential pressure (ΔPMX)	35Bar/160Bar

Standard

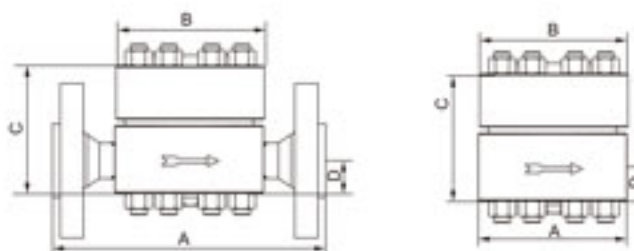
Design standard: ISO6552; GB/T22654

Face to face dimension: EN26554; GB/T 12250

Test & inspection: EN26948; GB/T 12251



CS49 PN64



KRF150 CS49Y-160I

HRW150-160 CS69Y-160I

Dimensions/weights (approximate) in mm and kg

Flanged connections CS49 PN64

Size	A	B	C	D
DN15	210	108	110	25
DN20	210	108	110	25
DN25	210	108	110	25
DN32	270	124	145	34
DN40	270	124	145	34
DN50	270	124	145	34

Flanged connections CS49Y PN100/600Lb

Size	A	B	C	D
DN15	230	135	112	23
DN20	230	135	112	23
DN25	230	140	116	27
DN32	320	180	153	33
DN40	320	180	153	33
DN50	320	195	157	37

Flanged connections CS49Y PN160/900Lb

Size	A	B	C	D
DN15	230	135	112	23
DN20	230	135	112	23
DN25	230	140	116	27
DN32	320	180	153	33
DN40	320	180	153	33
DN50	350	220	160	40

Screwed connections CS69 PN64

Size	A	B	C	D
DN15	130	108	110	25
DN20	130	108	110	25
DN25	130	108	110	25
DN32	140	124	145	34
DN40	140	124	145	34
DN50	140	124	145	34

Welding connection CS69Y PN100/600Lb

Size	A	B	C	D
DN15	125	135	112	23
DN20	125	135	112	23
DN25	130	140	116	27
DN32	168	180	153	33
DN40	168	180	153	33
DN50	185	200	160	40

Welding connection CS69Y PN160/900Lb

Size	A	B	C	D
DN15	125	135	112	23
DN20	125	135	112	23
DN25	145	155	119	30
DN32	185	195	157	37
DN40	185	195	157	37
DN50	205	220	163	43



CS17 Screwed

CS47 Flanged

TB Screwed

TB Flanged

Application

Bimetallic steam traps can conserve energy by discharging sub-cooled condensate in those applications which can utilise sensible heat. They are the most robust of all the thermostatic steam traps, being able to withstand waterhammer and corrosive condensate.

Size and pipe connections

DN15-DN25 Screwed BSP or NPT

DN15-DN25 Flanged EN 1092 PN16/PN25, ANSI 150

Horizontal connection

Vertical connections

Material

Part	Material
Body	Cast steel A216 WCB
Bimetallic element	Stainless steel
valve	Stainless steel 420
seat	Stainless steel 420
Strainer screen	Stainless steel 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, also can according to the customer's request.

Limited condition

Body design conditions	PN40
PMA Maximum allowable pressure	40Bar g
TMA Maximum allowable temperature	300°C
Maximum differential pressure (ΔPMX)	32Bar

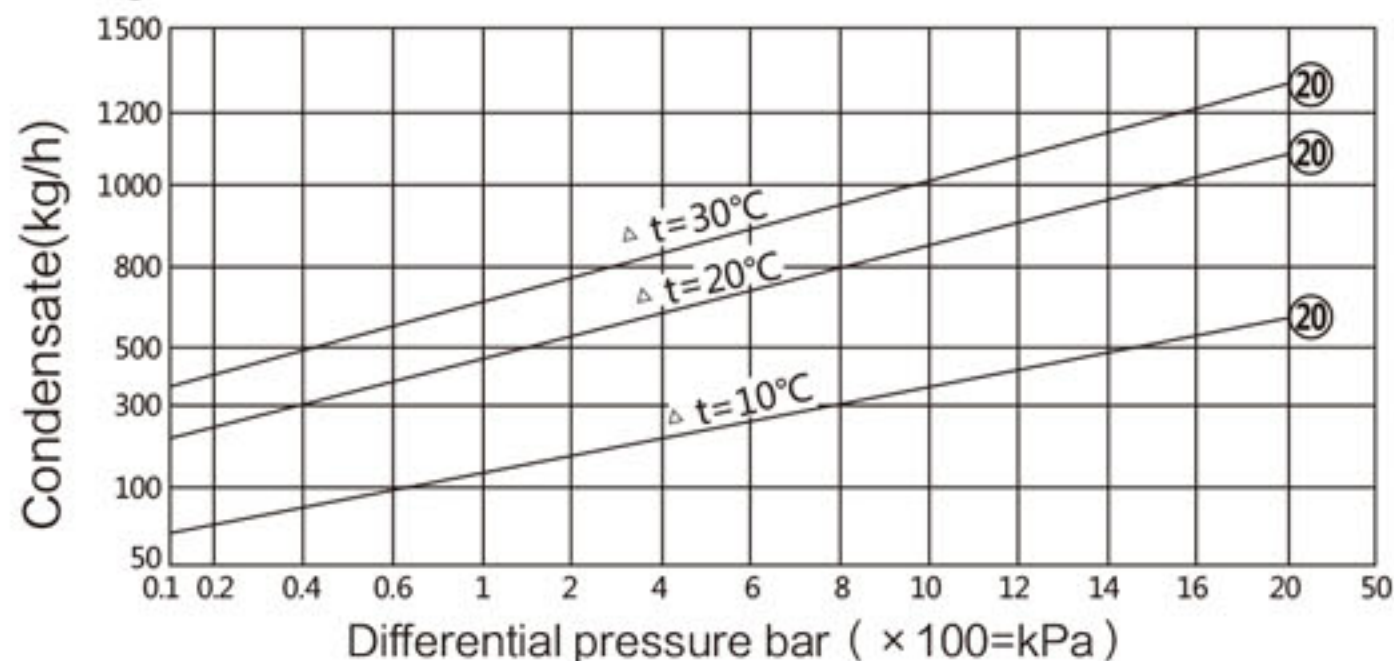
Standard

Design standard: ISO6552; EN26704

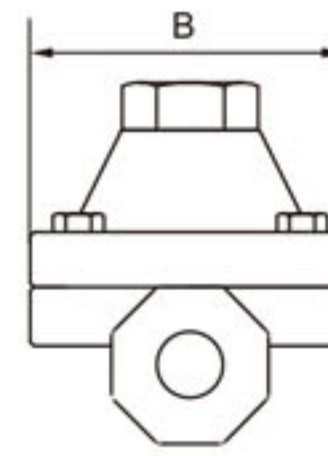
Face to face dimension: EN26554

Test & inspection: EN26948

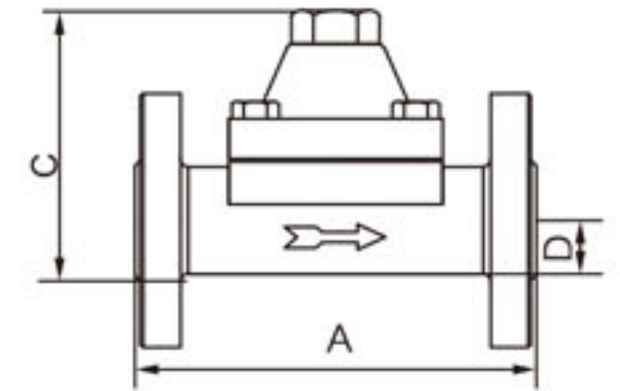
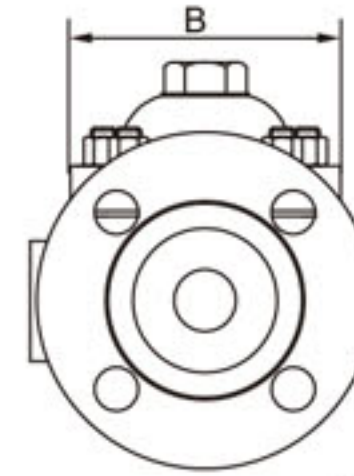
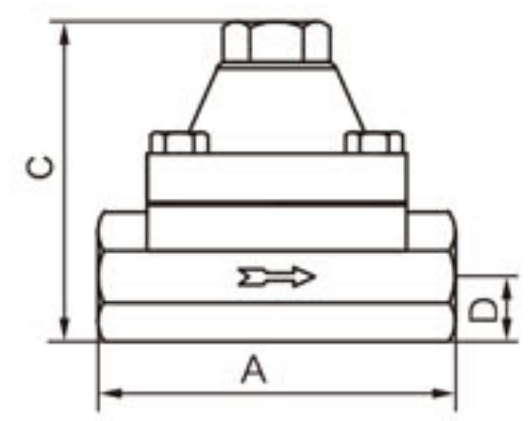
Capacities



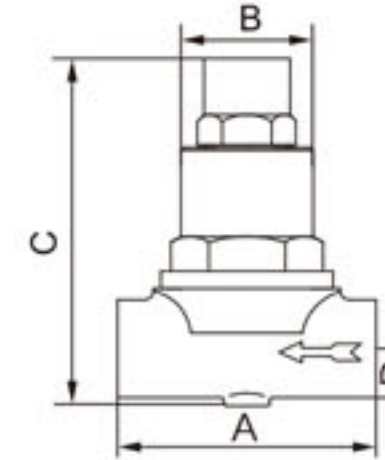
注: $\Delta t=N$ 过冷度(冷凝水于饱和蒸汽的温度差)



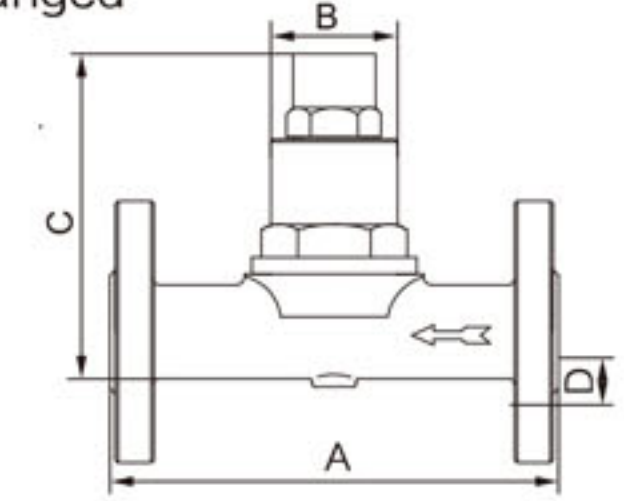
CS17 Screwed



CS47 Flanged



TB Screwed



TB Flanged

Dimensions/weights (approximate) in mm and kg

Screwed connections

CS17

Size	A	B	C	D	Weight
DN15	100	80	102	20	2.2
DN20	100	80	102	20	2.3
DN25	100	80	110	23	2.8

TB

Size	A	B	C	D	Weight
DN15	90	60	100	20	1.4
DN20	90	60	100	20	1.5
DN25	95	60	100	25	1.9

Flanged connections

CS47

Size	A	B	C	D	Weight
DN15	150	80	102	20	3.7
DN20	150	80	102	20	4.3
DN25	160	85	110	23	5.3

TB

Size	A	B	C	D	Weight
DN15	150	60	100	20	2.8
DN20	150	60	100	20	3.2
DN25	160	60	100	25	4.4