

STEAM TRAP

- Ball Float Steam Trap
- Inverted Bucket Steam Trap
- Thermodynamic Steam Trap
- Bimetallic Steam Trap



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温州维柯阀门有限公司
WENZHOU WEIKE VALVE CO., LTD.

Ball Float Steam Trap

FT14 Screwed & Flanged



Ball Float Steam Trap

FT14 Screwed & 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.

Ball Float Steam Trap

FT14 Screwed & Flanged



Size and pipe connections

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

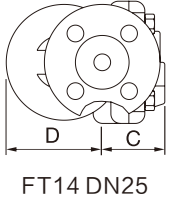
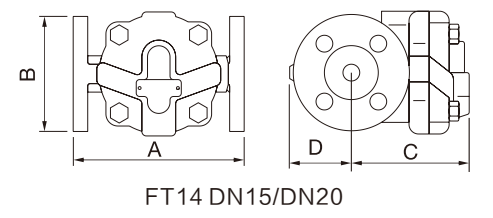
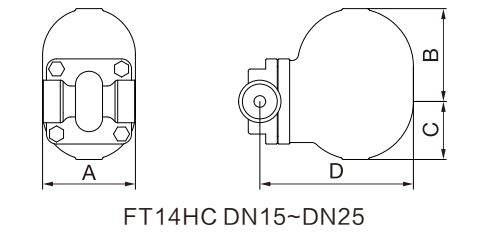
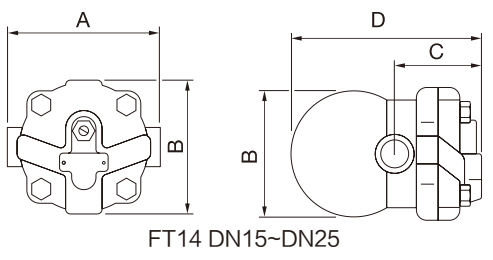
Material

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

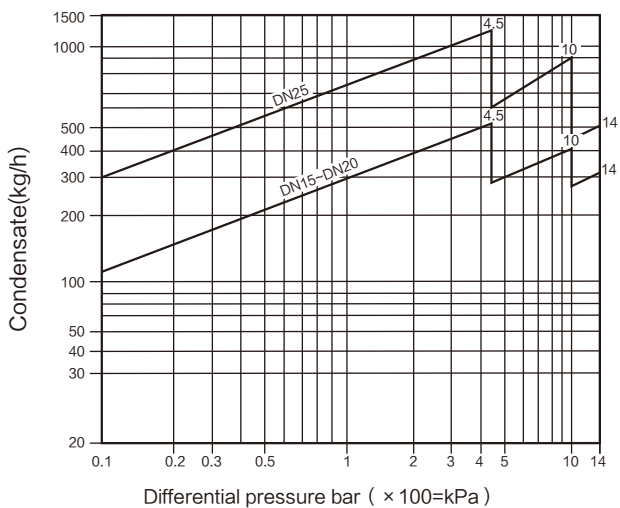
Note:1.The material can according to the customer' s request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer' s request.

Limited condition

Body design conditions	PN25
PMA Maximum allowable pressure	25Bar g
TMA Maximum allowable temperature	300℃
Maximum differential pressure (ΔPMX)	14Bar



Capacities



Installation

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

Standard

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

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

Single-Seat Ball Float Steam Trap

FT43/44 Screwed & Flanged



Single-Seat Ball Float Steam Trap

FT43/44 Screwed & 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,

(Single seat suitable for DN15~DN65, Discharge capacity: less than 5000kg/h)

ensuring maximum heat transfer. These traps are the best choice for draining plant with automatic temperature control.

Single-Seat Ball Float Steam Trap

FT43/44 Screwed & Flanged



Size and pipe connections

DN32~DN50 Screwed BSP or NPT
DN15~DN65 Flanged EN 1092 PN16/PN25, ANSI 150

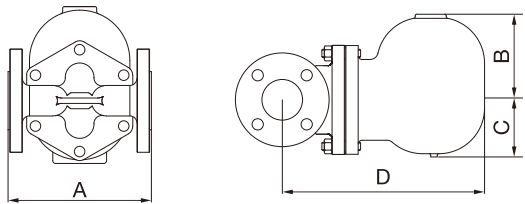
Material

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

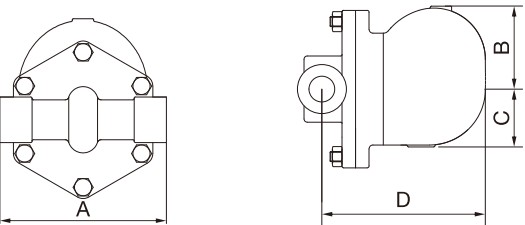
Note:1.The material can according to the customer' s request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer' s request.

Limited condition

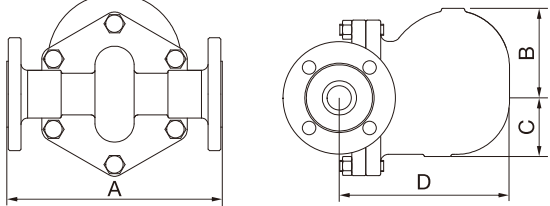
Body design conditions	PN40
PMA Maximum allowable pressure	40Bar g
TMA Maximum allowable temperature	300°C
Maximum differential pressure (ΔPMX)	32Bar



FT43 DN15~DN50

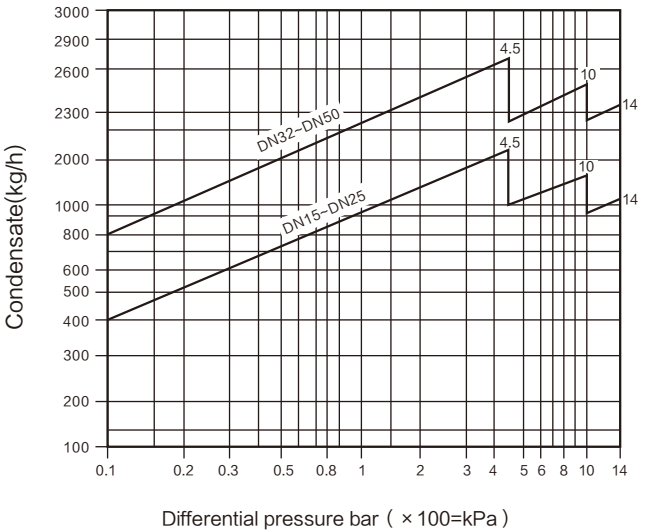


FT14 DN32~DN50



FT44 DN32~DN65

Capacities



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

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

Double-Seat Ball Float Steam Trap

FT43/44 Screwed & Flanged



FT43 Flanged

FT44 Flanged

Double-Seat Ball Float Steam Trap

FT43/44 Screwed & 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,

(Double seat suitable for DN32~DN80,Discharge capacity: 5000kg/h~20000kg/h)

ensuring maximum heat transfer. These traps are the best choice for draining plant with automatic temperature control.

Double-Seat Ball Float Steam Trap

FT43/44 Screwed & Flanged



Size and pipe connections

DN32–DN50 Screwed BSP or NPT

DN32–DN80 Flanged EN 1092 PN16/PN25, ANSI 150

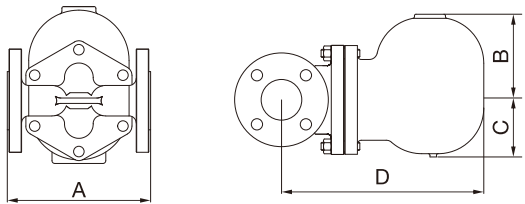
Material

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

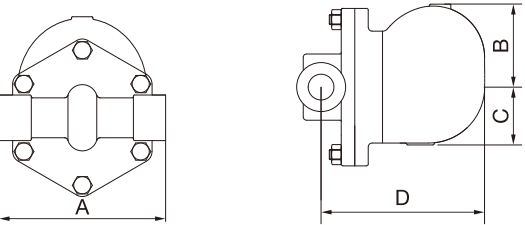
Note:1.The material can according to the customer' s request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer' s request.

Limited condition

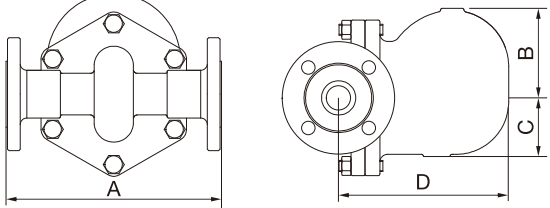
Body design conditions	PN40
PMA Maximum allowable pressure	40Bar g
TMA Maximum allowable temperature	300℃
Maximum differential pressure (ΔPMX)	32Bar



FT43 DN32~DN50

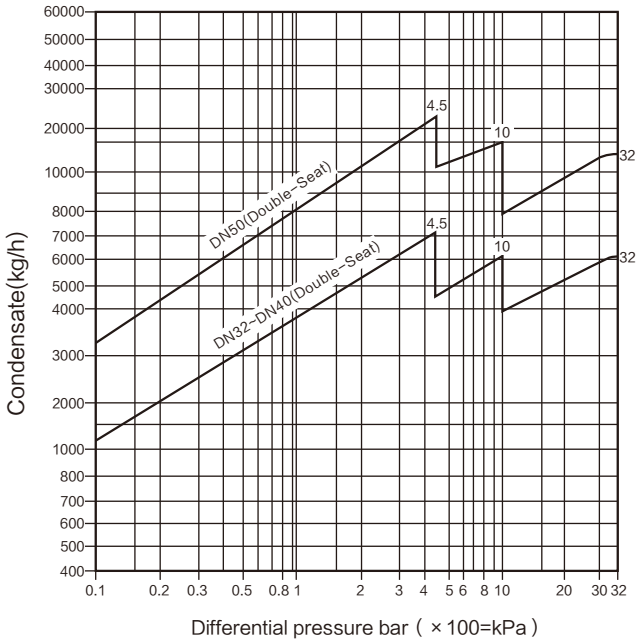


FT14 DN32~DN50



FT44 DN32~DN80

Capacities



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

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	270	129	90	255	27
DN40	270	129	90	255	27
DN50	270	129	90	255	27.5
DN65	270	129	90	255	29
DN80	320	129	90	255	34

Thermodynamic Steam Trap

TD10 / TD16 / TD10F/TD16F



Thermodynamic Steam Trap

Screwed & Flanged

Application

Thermodynamic steam traps combine reliability, simplicity and efficiency of operation; with just one moving part (a hardened stainless steel disc) they give a blast discharge with clean, tight shut-off. They are able to withstand: superheat,

waterhammer, corrosive condensate, freezing and vibration. The TD trap is the first choice for removal of condensate from steam distribution systems.

Thermodynamic Steam Trap

TD10 / TD16 / TD10F/TD16F



Size and pipe connections

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

Material

Part	Material
Body	Cast steel A216 WCB
Cap	A240 304
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.

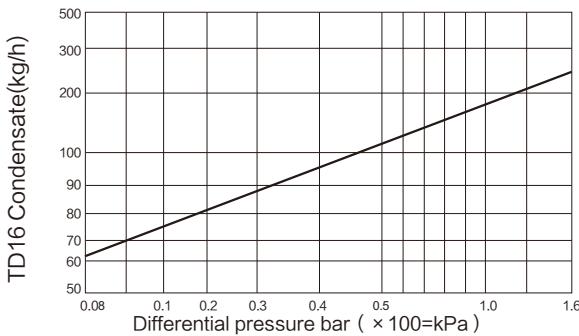
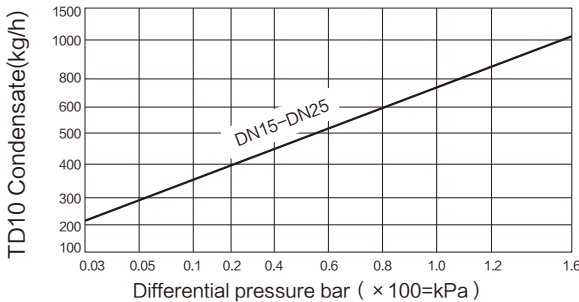
Limited condition

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

Standard

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

Capacities



Dimensions/weights(approximate)in mm and kg
Screwed connections

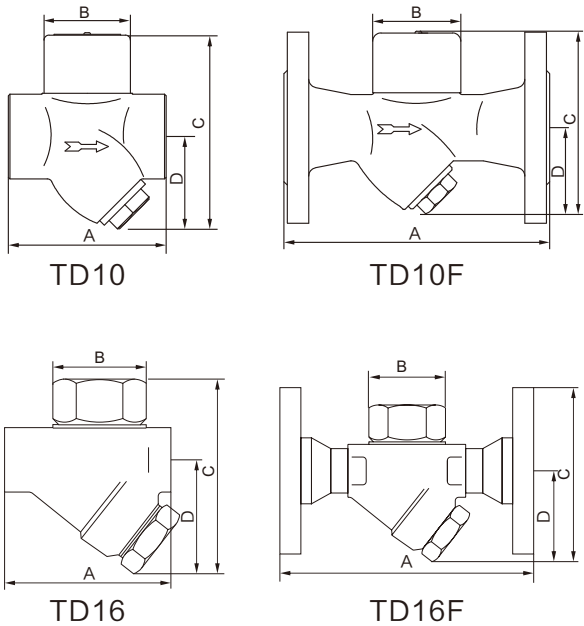
Size	A	B	C	D	Weight
DN15	90	53	110	50	0.9
DN20	90	53	112	52	1.3
DN25	90	53	118	56	1.5

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

Size	A	B	C	D	Weight
DN15	150	53	110	50	0.9
DN20	150	53	110	50	1.3
DN25	160	53	110	50	1.5

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





Bimetallic Steam Trap

BK/TB Screwed & 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

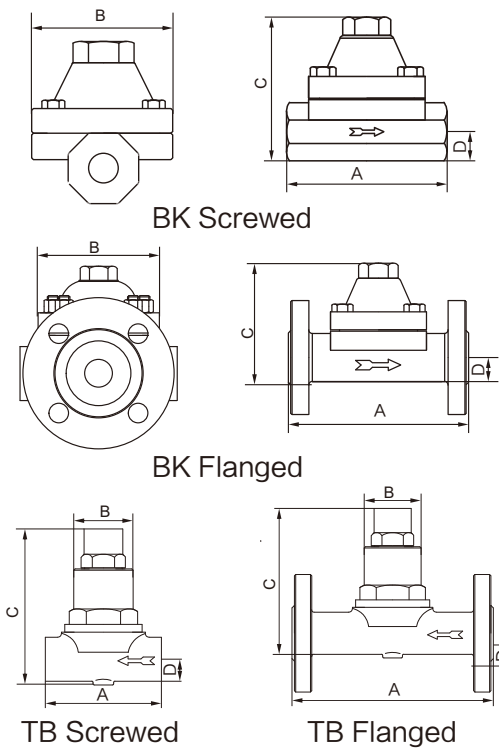
Note:1.The material can according to the customer' s request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer' s request.

Limited condition

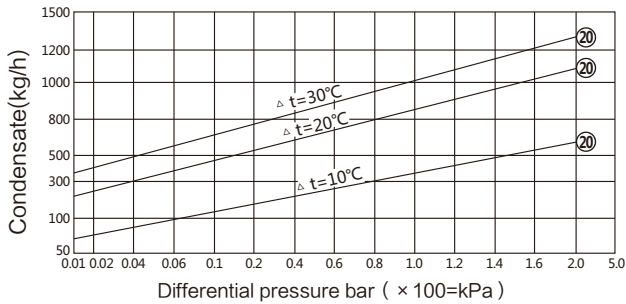
Body design conditions	PN40
PMA Maximum allowable pressure	40Bar g
TMA Maximum allowable temperature	300℃
Maximum differential pressure (ΔPMX)	32Bar

Standard

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



Capacities



注：Δ t=N过冷度(冷凝水于饱和蒸汽的温度差)

Dimensions/weights(approximate)in mm and kg

Screwed connections

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

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

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

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

Inverted Bucket Steam Trap

Screwed & Flanged



881~885

881F~885F

Inverted Bucket Steam Trap

Screwed & Flanged

Application

Inverted bucket traps are the most robust type of the mechanical traps and will resist waterhammer. 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.

Inverted Bucket steam trap

Screwed & Flanged



Size and pipe connections

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

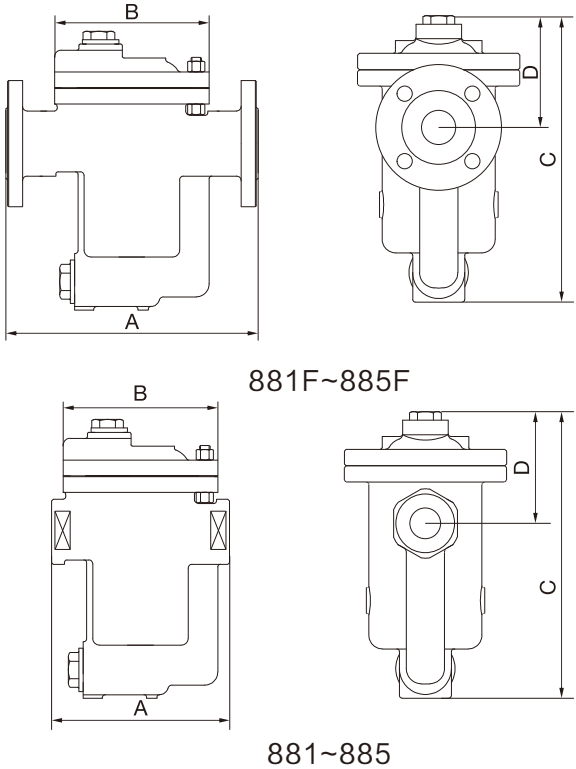
Note:1.The material can according to the customer' s request or actual valve working condition.
2.The surface of valve can use high temperature resistant black or blue paint, but also can according to the customer' s request.

Limited condition

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

Installation

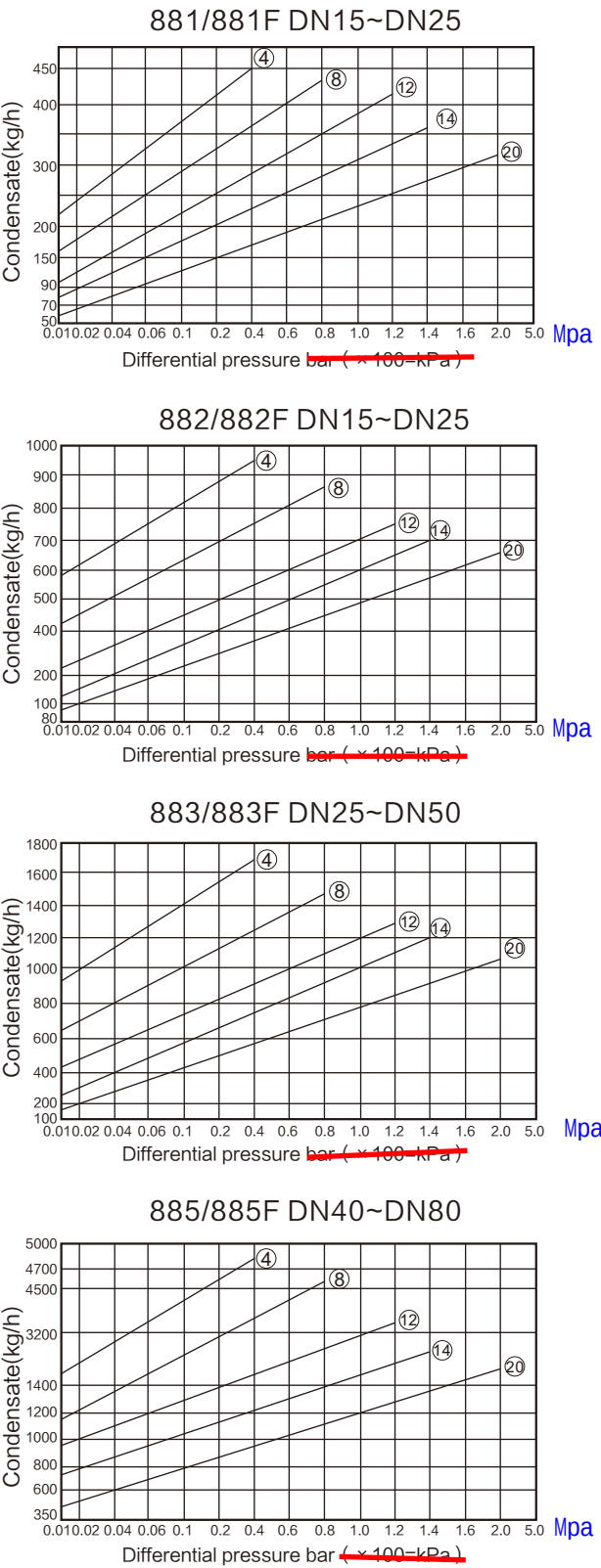
Horizontal connections with flow from right to left.
Horizontal connections with flow from left to right.



881F~885F

881~885

Capacities



Dimensions/weights

(approximate)in mm and kg

Screwed connections

881

Size	A	B	C	D	Weight
DN15	127	103	180	102	2.7
DN20	127	103	180	102	2.7
DN25	127	103	180	102	2.7

882

Size	A	B	C	D	Weight
DN15	170	130	238	145	9.0
DN20	170	130	238	145	9.0
DN25	170	130	238	145	9.0

883

Size	A	B	C	D	Weight
DN20	220	178	322	192	17.0
DN25	220	178	322	192	17.0
DN32	220	178	322	192	17.0
DN40	220	178	322	192	17.0
DN50	220	178	322	192	17.0

885

Size	A	B	C	D	Weight
DN40	225	220	416	192	30.0
DN50	225	220	416	192	30.0

Dimensions/weights

(approximate)in mm and kg

Flanged connections

881F

Size	A	B	C	D	Weight
DN15	170	103	180	102	3.9
DN20	170	103	180	102	4.1
DN25	210	103	180	102	4.6

882F

Size	A	B	C	D	Weight
DN15	220	130	238	145	9.0
DN20	220	130	238	145	10.0
DN25	220	130	238	145	10.5

883F

Size	A	B	C	D	Weight
DN20	270	178	322	192	22.5
DN25	270	178	322	192	23.0
DN32	270	178	322	192	23.5
DN40	270	178	322	192	24.0
DN50	270	178	322	192	24.5

885F

Size	A	B	C	D	Weight
DN50	340	220	416	192	36.0
DN65	340	220	416	192	38.0
DN80	380	220	416	192	40.0