

Inverted Bucket Steam Trap

Screwed & Flanged



881~885



881F~885F

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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.

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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.

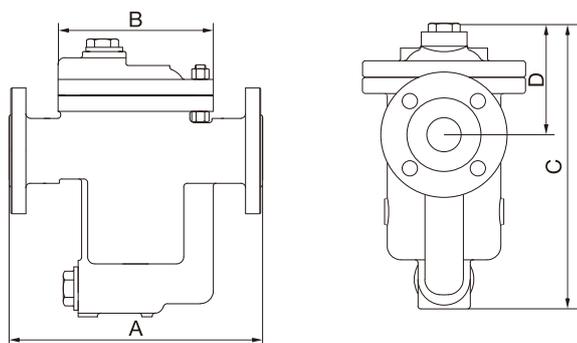
Limited condition

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

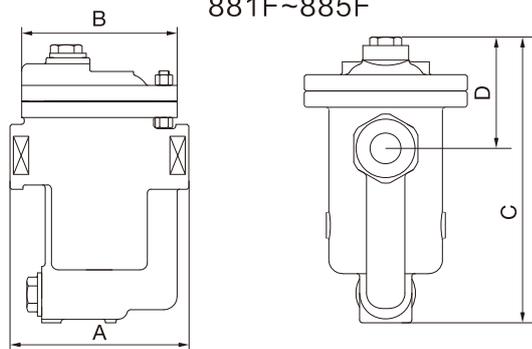
Installation

Horizontal connections with flow from right to left.

Horizontal connections with flow from left to right.



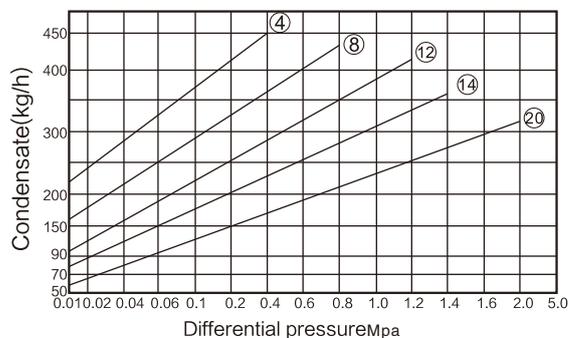
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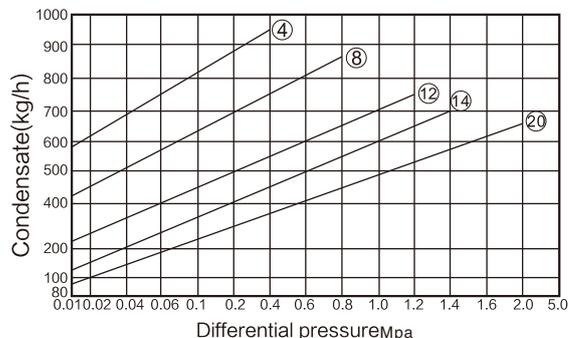
881~885

Capacities

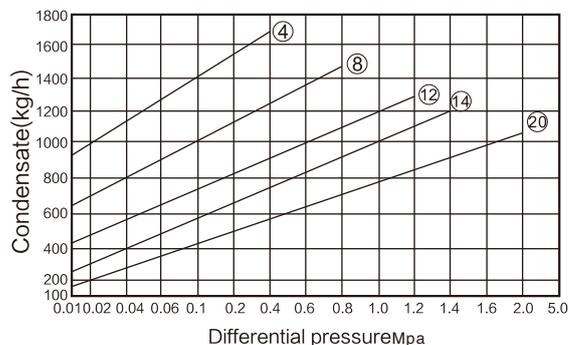
881/881F DN15~DN25



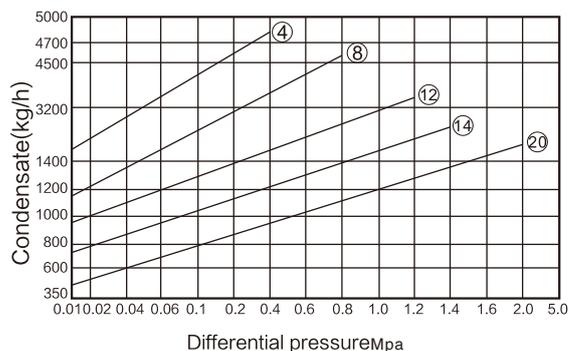
882/882F DN15~DN25



883/883F DN25~DN50



885/885F DN40~DN80



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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

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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

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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