

INVERTED BUCKET STEAM TRAPS IF 304 360° CONNECTIONS

INVERTED BUCKET

This trap uses an inverted bucket that floats whean steam is present and sinks when condensate exceeds a predetermined liquid level. When the bucket floats the valve — at the top of the trap — is closed. When it sinks the valve will open. On start up the bucket is down end the valve is wide open, when condensate and air enters the trap it flows directly into the bucket...The condensate falls into the trap body whereas air collects at the top of the bucket and causes it to float thereby closing the valve. Air is released through a vent at the top of the bucket and collects in the top of the trap until the bucket sinks opening the valve and allows the discharge of air and condensate. When steam is formed, it collects in the top of the bucket causing it to float thereby closing the valve. The bucket will sink again when condensate reaches the predeterminated level and the cycle starts over



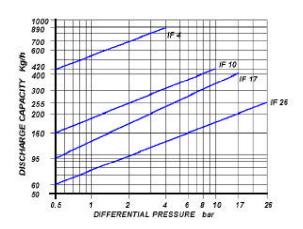
MAIN FEATURES

Discharge of condensate at steam temperature. Simple and reliable construction. Slow discharge of air. Suitable for superheated steam. It whith stands waterhammer.

APPLICATIONS

- ☐ Heater batteries
- ☐ Heat exchangers
- □ Pans
- □ Turbines
- □ Drying cilinders
- Ironing machines

DISCHARGE CAPACITY



Cold water capacities are 2 to 4 times greater than the above . Safety factor = 1.2-1.5

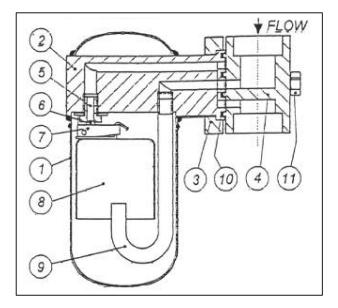
SIZES	
1/2" - 3/4" - 1"	

CONNECTIONS	
Screwed	BS 21 (BSP) /ANSI B1.20.1 (NPT)
Socket weld	ANSI B 16.11
Flanged	ANSI 150#/300#/600#/UNI/DIN

LIMITING CONDITIONS (according to ISO 6552)								
Steam Trap rating	ANSI 300							
PMA: Max allowable pressure	50 bar							
TMA: max allowable temperature	500°C							
PMO: max working pressure	26 bar							
TMO: max working temperature	380°C							
Max. Differential pressure (IF 4)	4 bar							
Max. Differential pressure (IF 10)	10 bar							
Max. Differential pressure (IF 17)	17 bar							
Max. Differential pressure (IF 26)	26 bar							

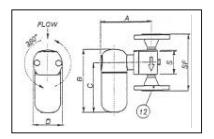
Douglas Italia reserves the right to carry-out any necessary modification without prior notice

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POS.	DESCRIPTION	MATERIALS	SPARES		
1	Body	AISI 304			
2	Cover	ASTM A182 F304			
3	Flange	ASTM A182 F304			
4	Connector	ASTM A182 F304			
5	Seat	AISI 410	X		
6	Valve	AISI 410	X		
7	Lever	AISI 304	X		
8	Bucket	AISI 304	X		
9	Tube	AISI 304			
10	Gasket	316 / GRAPHITE	X		
11	Bolts	ASTM A193 B8			
12	Flange	ASTM A182 F304			

							Flanged							
Size	S	Α	В	С	D	Weight	UNI-DIN		150#		300#		600#	
(inches)						(Kg)	PN25-40							
							SF	Kg	SF	Kg	SF	Kg	SF	Kg
1/2"	60	140	174	129	70	3	130	4.4	120	4.4	140	4.6	150	4.8
3/4"	60	140	174	129	70	3	132	4.6	130	4.6	150	5.8	160	6.2
1"	68	142	174	129	80	3.8	138	6	148	6	158	7.2	178	7.6



INSTALLATION

The pipeline can be installed in either horizontal or vertical pipework. The maiting flange on the IF 304 trap is free rotate 360°. The steam trap should be fitted with the cover above the centre line of the trap. Ensure inner and outher gaskets are in place and secure trap to pipeline connector using two connectors screws.

How to order: i.e. IF 304 10 1/2" NPT

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OFFICIAL WEB SITE: www.douglas-italia.com