

INVERTED BUCKET STEAM TRAP UIBT28LS

General Description

UIBT-28LS is:

- Very simple internal structure steam trap.
- Optimally sized for complete removal of condensate.
- Designed to eliminate internal damages caused by impingement of condensate.
- Maintenance free and long life.

Operation

The steam that comes into the inverted bucket pushes it up (vertical direction) producing the close of its valve. The inverted bucket has a hole on the top that allows steam flows to the upper chamber of the trap. This steam condenses because of heat transfer to the outside, what causes the arrival of condensate to the inverted bucket, reducing its buoyancy until the bucket sinks due to weight. This cycle is repeated continuously.

It should be noted that correct operation requires the generation of an hydraulic seal in the bottom of the bucket. This is not possible with superheated steam. The discharge of this type of steam trap always happens at saturation temperature.

Operating conditions

Max. operating pressure:	28 bar
Maximum temperature:	425 °C
Max. design pressure :	28 bar
Max. desing Temperature:	425 °C

Other characteristics

Optional:

Available in differential Pressure (Kg/cm²)



Material of Construction

ASTM A 240 Gr. 304L
ASTM A 479 TP304 / 304I

Size Available

1/2" / 3/4"

End Connections

Screwed NPT and BSPT
Socket Weld
Flanged End ANSI #150/#300

Installation

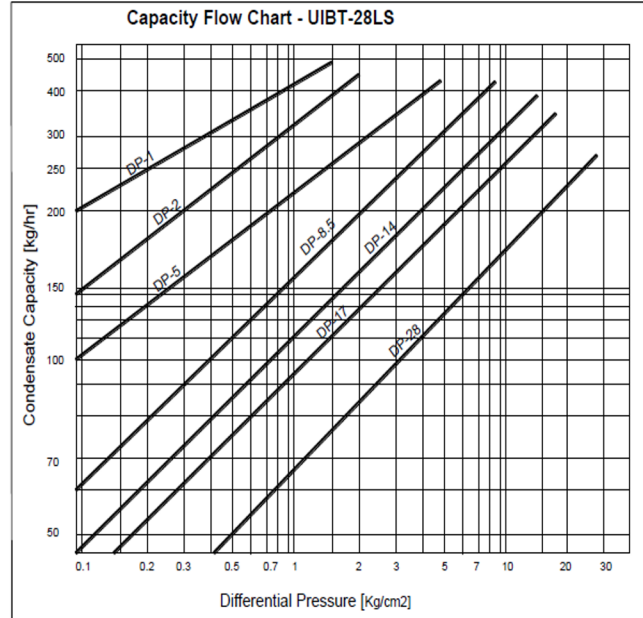
Horizontal Position

STEAM TRAP UIBTS28LS

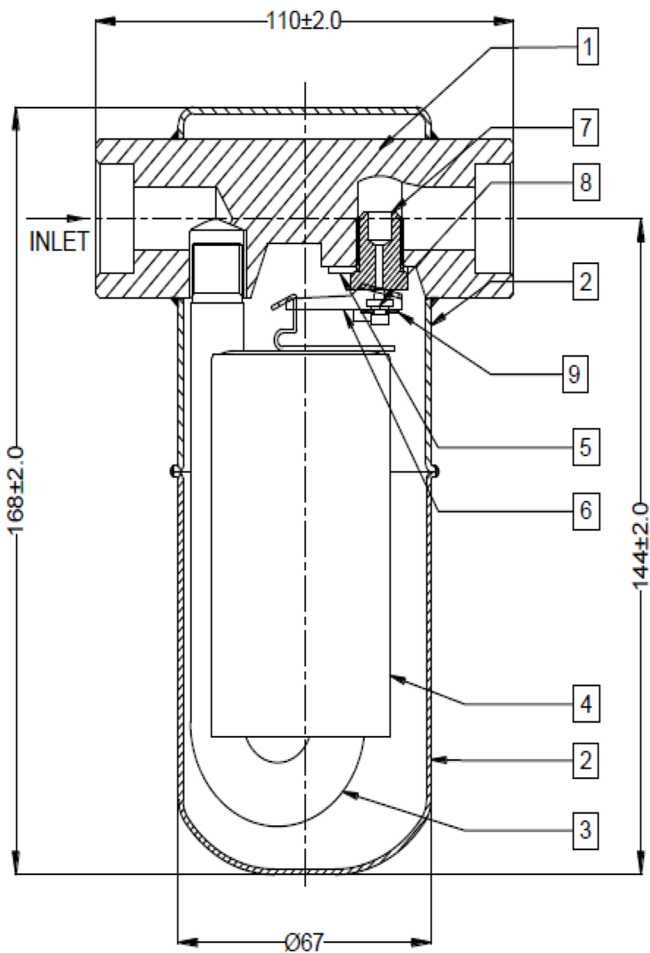
Materials

1	Body	ASTM A479 Gr. 304L
2	Outer body (top&bottom)	ASTM A240 Gr. 304L
3	Pipe (1/4" SCH.80)	AISI 304
4	Bucket assembly)	AISI 304
5	Bracket assembly	AISI 304
6	Lever assembly	AISI 304
7	Valve Seat	AISI 304
8	Valve Pin	ASTM A681 Gr. D2
9	Locking Strip	AISI 304

Capacity Curve



Capacity refer to continues service.
Cold water (Start-up) capacity will be 2.5 higher.



Produced in accordance with Article 4.3 del PED - European Pressure Equipment Directive - PED 2014/68/EU.

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For more information please visit web www.bitherm-sistemas.com or contact your Bitherm's distributor.



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