

INVERTED BUCKET STEAM TRAP UIBT28US

General Description

UIBT-28US is:

- Very simple internal structure steam trap.
- Optimally sized for complete removal of condensate.
- Suitable with universal connector.
- 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 :	52 bar
Max. desing Temperature:	425 °C

Other characteristics

Optional:

IBR/Non-IBR

UIBT 28US with TVS (on request)

Available in differential Pressure (Kg/cm²)

Orientation L-R or R-L



Material of Construction

ASTM A 351 Gr. CF8

ASTM A 240 TP304 L

Size Available

1/2" / 3/4"

1" (on request)

End Connections

Screwed NPT and BSPT

Socket Weld

Flange CL 150 / CL300

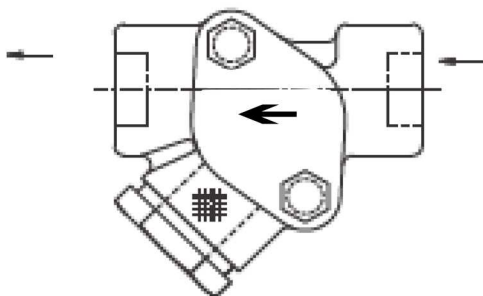
Suitable with TVS (universal Flange)

Installation

Horizontal Position

STEAM TRAP UIBTS28US

Universal Connector



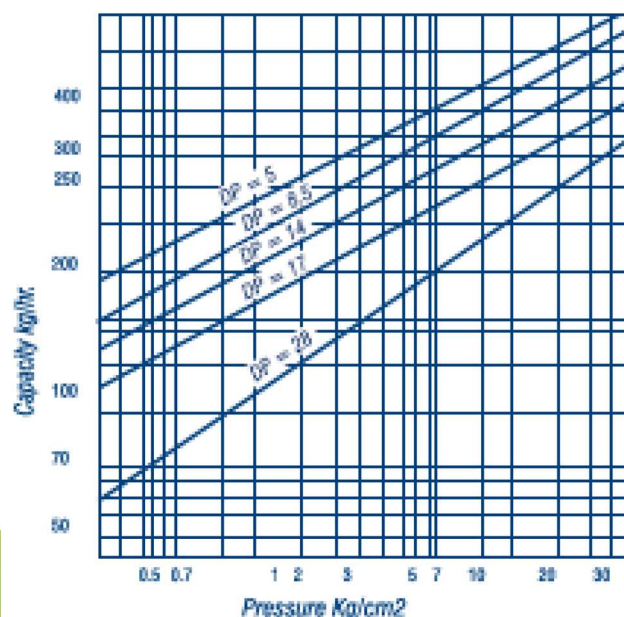
Connector Body: Stainless Steel CF8

Connector without integral strainer

Connector with Integral strainer

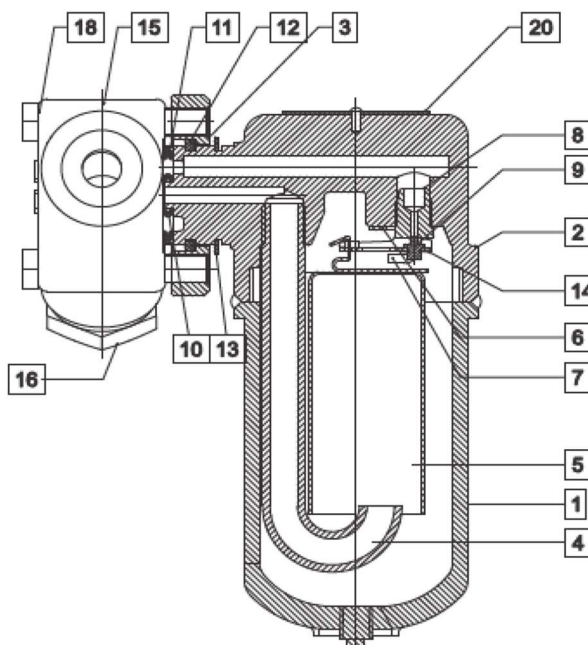
Connector with integral strainer and blow down valve.

Capacity Curve



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

1	Body	ASTM A351 Gr. CF8
2	Cover	ASTM A351 Gr. CF8
3	Connector Flange	ASTM A351 Gr. CF8 ASTM A182 F304
4	Pipe (1/4" SCH.80)	AISI 304 / ASTM A312 TP. 304
5	Bucket	AISI 304
6	Bracket	AISI 304
7	Lever	AISI 304
8	Valve Seat (hardened)	AISI 420 / AISI410 / ASTM 681 Gr D2
9	Vale Pin (hardened)	AISI 420 / ASTM A 681 Gr D2
10	Spiral Wound Gasket	SS WITH GRAPHITE FILLER
11	Spiral Wound Gasket	SS WITH GRAPHITE FILLER
12	Retainer Ring	AISI 304
13	Circlip	AISI 304
14	Locking Strip	AISI 304
15	Universal Connector	ASTM A351 Gr. CF8M / CF8
16	Bolt (M10x65-25 NB M10x55-15/20 NB)	EQUI O HIGER Gr. Gr. 10.9 / Gr. 12.9 Gr. 8.8
17	Strainer	AISI 304
18	Strainer (Filter Cap)	ASTM A 182 F304 / F316
19	Spiral wound gasket	SS WITH GRAPHITE FILLER
20	Nameplate	AISI 304



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.