

BT-16 INVERTED BUCKET STEAM TRAP

Design

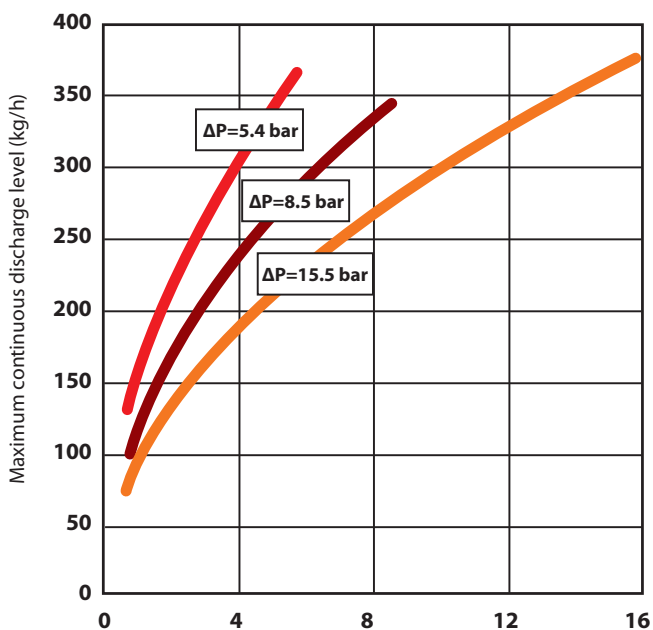
- ▶ Adopting simple structure and high strength components Assure operation and durability.
- ▶ No air troubles thanks to the descending structure bucket.
- ▶ Built-in screen eliminates a the need of attaching separate strainer.
- ▶ Simply repairable by removing the lid.

Specifications

BODY	Ductile Iron GGG 40.3
COVER	Ductile Iron GGG 40.3
INTERNALS AND FLOAT	Stainless Steel AISI 304
OPERATING PRESSURE	Maximum 16 bar
OPERATING TEMPERATURE	Maximum 220°C
CONNECTION TYPE	Threaded Connections



Flow Curve



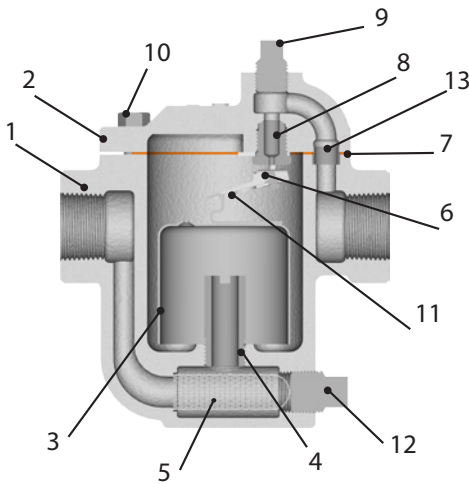
Max. Applicable Differential Pressure

DIAMETER	Applicable Differential Pressure (bar)
1/2" 3/4" 1"	5.4/8.5/15.5

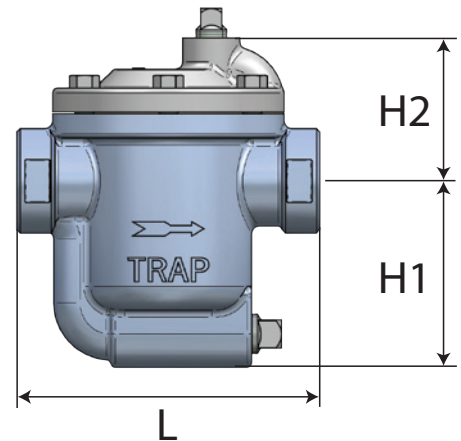
* Structure, dimensions, materials, etc. may change without any notice in order to improve or increase the performance.

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Structure and Dimensions



- | | |
|---------------|----------------|
| 1. Body | 7. Gasket |
| 2. Cover | 8. Sit |
| 3. Bucket | 9. Plug |
| 4. Inner Pipe | 10. Cover Nut |
| 5. Screen | 11. Lever |
| 6. Disc | 12. Plug |
| | 13. Spring Pin |



Size DN (inch)	L (mm)	H1 (mm)	H2 (mm)	Weight (kg)
15(1/2")	127	78	65	2.7
20(3/4")	127	78	65	2.7
25(1")	127	100	65	3

Installation and Precautions

- ▶ Remove scales, dust and so on existing in piping before installing the trap.
- ▶ Install it at an easily accessible place.
- ▶ Install it close to the device to use.
- ▶ Grade a pipe as condensed water could flow into a trap by gravity.
- ▶ Make sure to install by-pass pipe.
- ▶ Make the 2nd piping not ascend if possible.
- ▶ Make sure to use the trap with horizontal piping.

STORING AND HANDLING

Please be familiar with the followings to maximize the product performance.

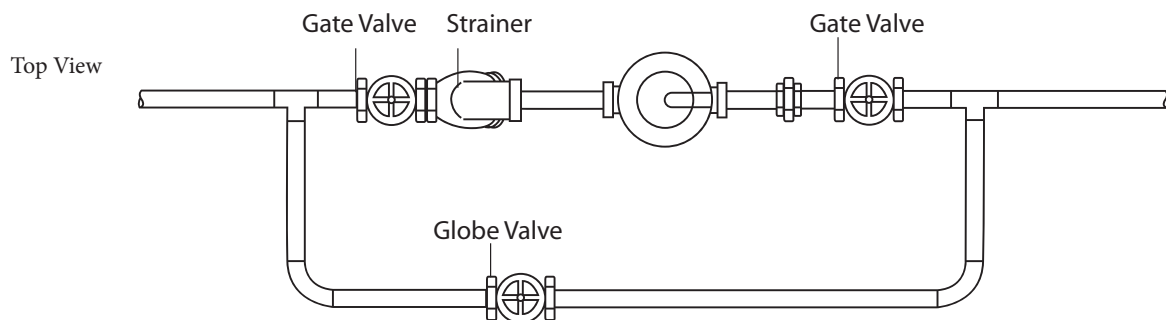
- ▶ Do not use excessive force on it.
- ▶ Avoid storing the product in dusty or high humid places.
- ▶ A special attention should be paid not to allow impurities into the product.
- ▶ Remove scales, sand, dregs, etc. when installing on a pipe and clean any parts in touch with gasket.
- ▶ Tighten the 1 st /2nd valves and perform freshing work with by-pass pipe.
- ▶ Do not perform water pressure test, which may cause water leak or malfunction on a valve.

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Troubleshooting

SIGN	REASON	SOLUTIONS
NOT DISCHARGE	Orifice blocked by impurities	Disassembling and cleaning
	Pressure in use is higher than the pressure applied to trap	Replacing with a trap of proper pressure
	Insufficient discharge of trap	Replacing with a trap of sufficient capacity
LOW DISCHARGE	Insufficient operating differential pressure due to excessive back pressure	Reviewing inlet/outlet pressure of trap/piping
	Blocked strainer on inlet of trap	Disassembling and cleaning the strainer
STEAM LEAKING	Impurities between disk and seat	Disassembling and cleaning disc and seat
	Outworn disc and seat	Replacing and cleaning disc and seat
	Defective By-Pass valve	Checking or replacin By- Pass valve

Piping Diagram



Front View

