

TB-5

Bucket

Float

Disc

Bellows

Bimetal

Wafer

By-pass

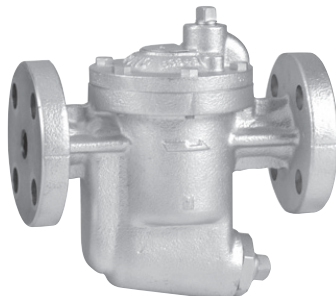
Stainless steel

Connector

Side to side

Down to Up

Up to Down



■Features

1. Excellent durability ensured by unique internal structure (free floating lever system, spherical valve, etc).
2. Reliable performance due to all stainless steel made internal parts and the unique internal structure.
3. Superior energy saving since intermittent operations removes air adiabatic wall in the heat exchanger and increases heat efficiency considerably.
4. Distinguished scale resistance provided by built-in strainer and dual separation system.
5. Wide variety of options, including large vent and built-in type check valve.

■Specifications

Model		TB-5
Maximum pressure		1.0 MPa
Maximum working differential pressure		Refer to "Orifice Size" Chart
Max. temperature		220°C
Material	Body	Ductile cast iron
	Valve, valve seat	Stainless steel
	Bucket	Stainless steel
Connection		JIS 10K FF flanged
Nominal size		15A-50A

■Orifice Size

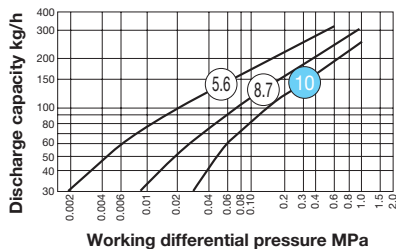
Max. working differential pressure MPa

	Nominal size	
	15A-25A	32A-50A
3/8 (9.5mm)	—	0.21
9/32 (7.1mm)	—	0.56
1/4 (6.4mm)	—	0.87
7/32 (5.6mm)	—	1.0
1/8 (3.2mm)	0.56	—
7/64 (2.8mm)	0.87	—
#38 (2.5mm)	1.0	—

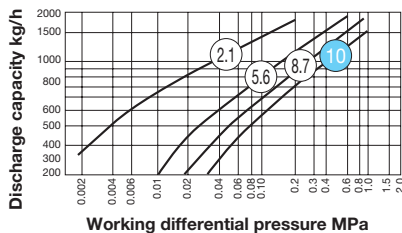
■Discharge Capacity Chart

(The charts below show the discharge capacity of saturated condensate in actual operation.)

· 15A-25A



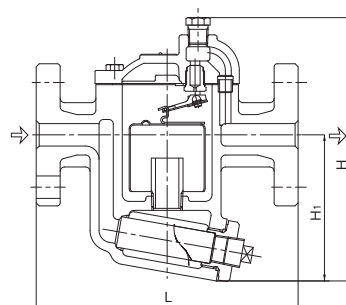
· 32A-50A



- The discharge capacity shown here is a continuous discharge capacity at the indicated differential pressure.
- In general, select a steam trap with a safety factor twice or threefold the regular level.
- The circled values are maximum working differential pressures (kgf/cm²). (The values in white circles represent a standard product, and those in a green circle denote a custom-made product.)

■ Dimensions (mm) and Weights (kg)

Nominal size	L	H	H ₁	Plug	Weight
15A	175	177	98	NPT 3/8	4.5
20A	195	177	98	NPT 3/8	4.9
25A	215	177	98	NPT 3/8	6.2
32A	280	336	190	NPT 1/2	18.3
40A	280	336	190	NPT 1/2	18.7
50A	290	336	190	NPT 1/2	19.6



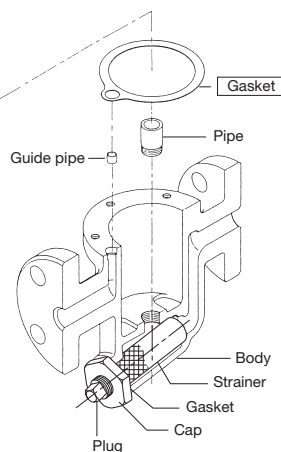
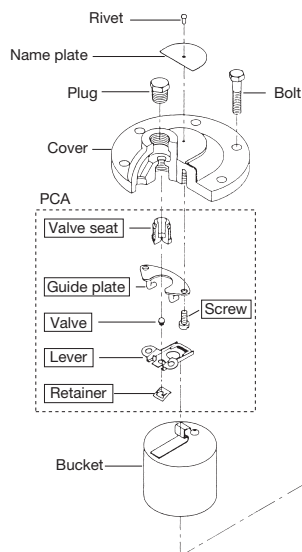
■ Options

(The options listed below are made-to-order items. For further information, please contact us.)

- Large vent (LV)
- Thermic vent bucket (T)
- Scrub wire (VW)
- Built-in type check valve (V)

* Only either a built-in type check valve or a thermic vent bucket can be installed on 15A to 25A steam traps.

■ Exploded View



Parts names shown in the boxes are consumable parts.
The parts (PCA assembly) are set selling products.
(PCA stands for Parts complex assembly)

* Cap cannot be removed.
When cleaning the screen, remove the plug and blow it.