

TSD-42

- Bucket Float **Disc** Bellows
- Bimetal Wafer By-pass **Stainless steel**
- Connector **Right to Left** Down to Up Up to Down

5 Steam Trap

■Features

1. Stainless steel used for main parts, making a contribution to improve corrosion resistance.
2. Since it can operate under 425°C temperature and 4.2 MPa pressure conditions, it can be applied in various types of industries, such as heavy, light, and general industries.
3. Bimetal solves air-binding problem and ensures a smooth discharge of cold condensate or air at the start of operation, enabling steam equipment to efficiently start to run.
4. "Insulation cover" avoids frequent on-off operation.
5. Plumbing is easy to perform because it can be installed vertically or horizontally as desired.
6. Built-in strainer eliminates requirement for strainer before the trap.

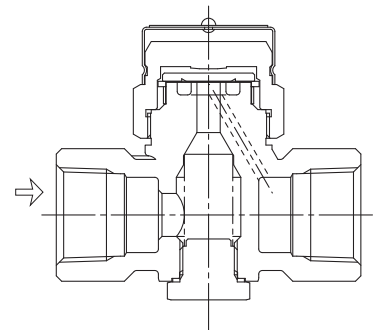
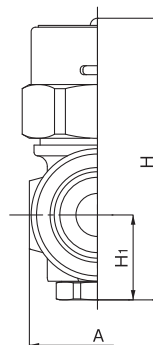
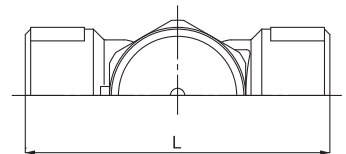


■Specifications

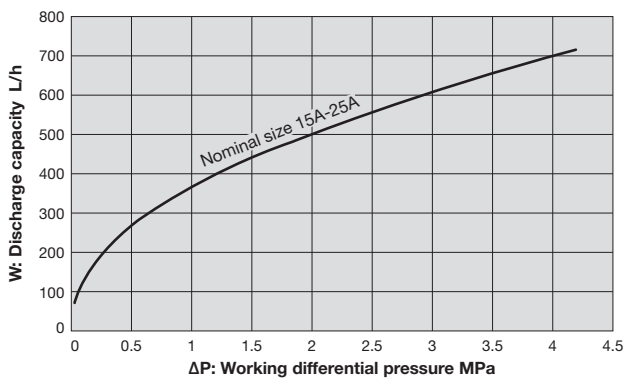
Model		TSD-42
Application		Steam condensate
Working pressure		0.035-4.2 MPa
Allowable back pressure		50% or less of inlet pressure
Maximum temperature		425°C
Material	Body	Stainless steel (SCS2A)
	Disc, seat	Stainless steel (special heat treatment)
Connection		JIS Rc, NPT, BSPT screwed

■Dimensions (mm) and Weights (kg)

Nominal size	L	H	H ₁	A	Weight
10A	78	76	23	32	0.65
15A	78	76	23	32	0.6
20A	85	79	24	38	0.7
25A	95	86	27.5	45	0.9



■ Maximum Continuous Discharge Capacity



- To select the product size, secure the safety factor of 4 to 5. For example, if you need a steam trap with a capacity of 100 kg/h, the trap with a capacity of 400 to 500 kg/h should be selected for maximum efficiency.
- The back pressure (outlet pressure) should be considered in selecting discharge capacity. This is because discharge capacity of a trap depends on the operating differential pressure (the difference between the inlet and the outlet pressures). For example, to find the discharge capacity obtained by the inlet pressure is 1.0 MPa and the outlet pressure is 0.2 MPa, trace up from the point of the operating differential pressure of 0.8 MPa in the above chart.

■ Installation Posture

