

# TS-1

**Bellows type**

The TS-1 radiator trap is used for a wide variety of heating equipment.

## ■Features

1. Reduced noise.
2. Free for air troubles as of bellows type.
3. The bellows is manufactured from selected material under strict quality control. Quick discharge of condensate from the system, and no steam leakage with long service life.
4. No worry for freezing.

## ■Specifications

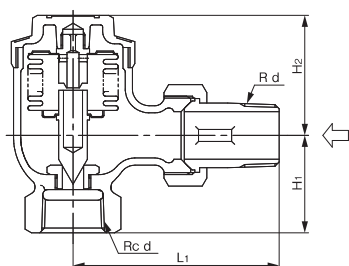
|                     |                   |                                                              |
|---------------------|-------------------|--------------------------------------------------------------|
| Application         |                   | Steam condensate                                             |
| Maximum pressure    |                   | 100 kPa *                                                    |
| Maximum temperature |                   | 120°C                                                        |
| Material            | Body              | Bronze                                                       |
|                     | Valve, valve seat | Brass                                                        |
|                     | Bellows           | Phosphor bronze                                              |
|                     | Union             | Brass                                                        |
| Connection          |                   | Inlet: JIS R screwed (union joint)<br>Outlet: JIS Rc screwed |

\* Available with 200 kPa (TS-1HA or TS-1HS, only 25A).

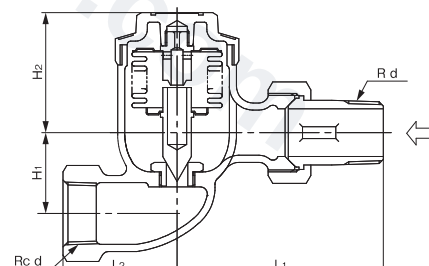


**TS-1S**  
**<Straight type>**

## ■Dimensions (mm) and Weights (kg)



**TS-1A <Angle type>**



**TS-1S <Straight type>**

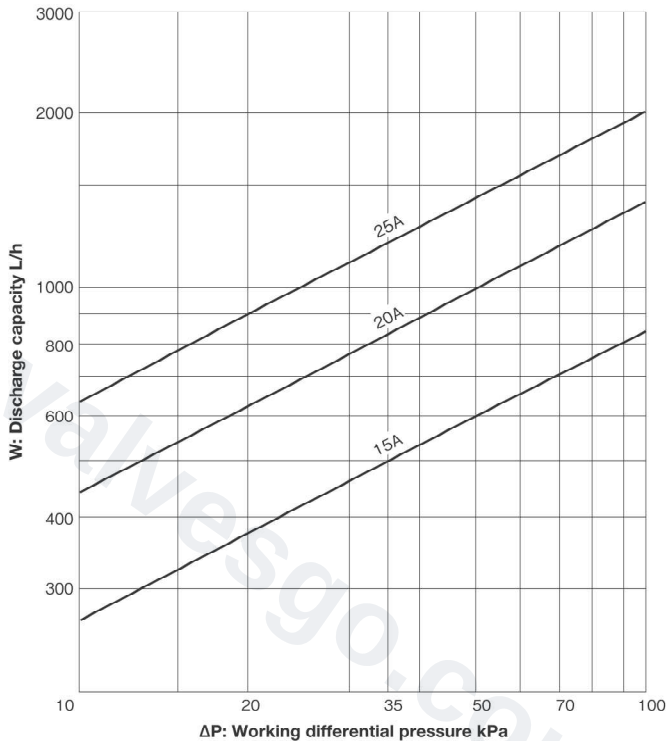
### · TS-1A

| Nominal size | d   | L <sub>1</sub> | H <sub>1</sub> | H <sub>2</sub> | Weight |
|--------------|-----|----------------|----------------|----------------|--------|
| 15A          | 1/2 | 80             | 35             | 39             | 0.6    |
| 20A          | 3/4 | 87             | 41             | 51.5           | 0.9    |
| 25A          | 1   | 105            | 52             | 49             | 1.6    |

### · TS-1S

| Nominal size | d   | L <sub>1</sub> | L <sub>2</sub> | H <sub>1</sub> | H <sub>2</sub> | Weight |
|--------------|-----|----------------|----------------|----------------|----------------|--------|
| 15A          | 1/2 | 80             | 43             | 28             | 39             | 0.7    |
| 20A          | 3/4 | 87             | 48             | 34             | 51.5           | 1.0    |
| 25A          | 1   | 105            | 60             | 40             | 49             | 1.7    |

■ Maximum Continuous Discharge Capacity Chart



· This chart shows the maximum discharge. In designing a system, set a sufficient safety factor (two or three times).