

BIMETALLIC STEAM TRAPS AND AIR VENTS BSS20

DESCRIPTION

The BSS20 all stainless steel bimetallic steam traps and air vents are simple and robust traps, specially suited for instrument tracing, line tracing applications and where condensate sensible heat can be recovered. The use of condensate sensible heat reduces steam consumption.

The BSS20 is especially suitable for air venting applications.

MAIN FEATURES

- Modulating discharge.
- Discharges condensate below steam temperature.
- Excellent air discharge.
- Unaffected by water hammer and vibrations.
- Built-in strainer.

USE: Saturated and superheated steam.

AVAILABLE MODELS: BSS20 – stainless steel.

SIZES: 1/2".

CONNECTIONS: Female threaded ISO 7 Rp or NPT.

INSTALLATION: Horizontal or vertical installation.
See IMI – Installation and maintenance instructions.



| BODY LIMITING CONDITIONS | |
|-----------------------------------|---------------------|
| THREADED PN 40 ALLOWABLE PRESSURE | RELATED TEMPERATURE |
| 34,4 bar | 100 °C |
| 30,8 bar | 150 °C |
| 28 bar | 200 °C |
| 26 bar | 250 °C |

PMO – Maximum operating pressure: 20 bar.
TMO – Max. operating temperature: 250 °C.

CE MARKING – GROUP 2 (PED – European Directive)

| PN 40 | Category |
|-------|----------|
| 1/2" | SEP |

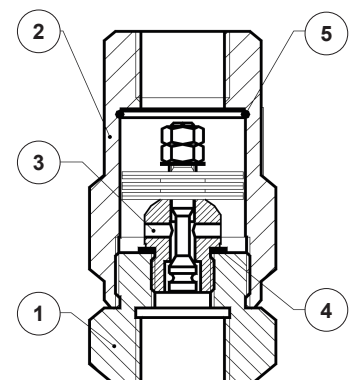
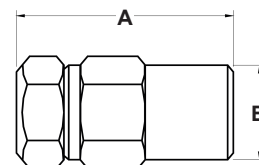
FLOW RATE CAPACITY (kg/h)

| MODEL | SIZE | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | | | |
|-------|--------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| | | 0,6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 13 | 15 | 20 |
| BSS20 | 1/2" A | 45 | 65 | 100 | 130 | 155 | 170 | 195 | 205 | 220 | 245 | 255 | 270 | 330 |
| BSS20 | 1/2" B | 150 | 230 | 350 | 440 | 490 | 540 | 630 | 650 | 680 | 730 | 820 | 980 | 1120 |

A: Condensate discharge at 10 °C below saturation temperature; B: Cold water capacity around 20 °C.

DIMENSIONS (mm)

| SIZE | A | B | C | WEIGHT (kg) |
|------|----|----|----|-------------|
| 1/2" | 80 | 35 | 36 | 0,42 |



MATERIALS

| POS. N° | DESIGNATION | MATERIAL |
|---------|------------------------|---|
| 1 | Body | AISI 304 / 1.4301 |
| 2 | Cover | AISI 304 / 1.4301 |
| 3 | * Bimetallic regulator | Corrosion resistant bimetal; Stainless steel |
| 4 | * Gasket | AISI 304 / 1.4301 |
| 5 | * Strainer cover | AISI 304 / 1.4301 |

* Available spare parts.