

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS BM 32 (DN ½" – 1" DN 15 – 25)

DESCRIPTION

BM32series bimetallic steam traps and air eliminators are simple and robust traps, recommended for steam process applications where condensate sensible heat can be recovered, steam tracing lines, drip points, storage tank coils, steam air venting, etc. The use of condensate sensible heat reduces the steam consumption.

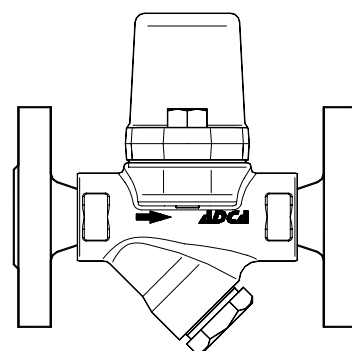
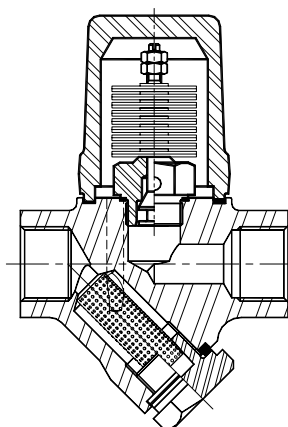
Connections are female screwed or flanged.

MAIN FEATURES

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



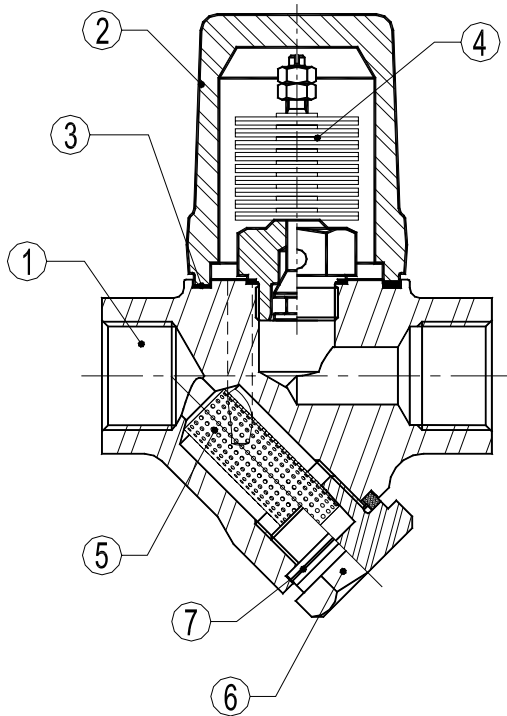
- OPTIONS:** Blowdown valve
- USE:** Saturated and superheated steam.
- AVAILABLE MODELS:** BM32
- SIZES:** DN ½" to 1" ; DN15 to DN25.
- CONNECTIONS:** Female screwed ISO 7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI
- INSTALLATION:** Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



| | | |
|---------------------------------|-----|-----|
| PMA – Max.allowable pressure | 32 | bar |
| TMA – Max.allowable temperature | 400 | °C |
| PMO – Max.operating pressure | 32 | bar |
| TMO –Max. Operating temperature | 350 | °C |

| FLOW RATE CAPACITY IN Kgs/h | | | | | | | | | | | | | | | |
|-----------------------------|------------------|----|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| MODEL | SIZE | DN | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | | | |
| | | | 0,5 | 1 | 2 | 4 | 6 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 32 |
| BM32 | 15 - 25 A | | 200 | 300 | 390 | 430 | 510 | 580 | 600 | 620 | 660 | 680 | 700 | 740 | 810 |
| BM32 | 15 - 25 B | | 700 | 1000 | 1300 | 1530 | 1750 | 2050 | 2150 | 2250 | 2360 | 2480 | 2550 | 2750 | 2900 |

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



| MATERIALS | | |
|-----------|-------------------|------------------------|
| POS.N r. | DESIGNATION | MATERIAL |
| 1 | Body | P250GH / 1.0460 |
| 2 | Cover | P250GH / 1.0460 |
| 3 | * Gasket | St.St./Graphite |
| 4 | * Valve assy. | Bimetal |
| 5 | * Strainer screen | AISI304 / 1.4301 |
| 6 | * Cover strainer | A 105 / 1.0432 |
| 7 | * Gasket | Stainless st./Graphite |
| 8 | Bolts | A2-70 |

* Available spare parts

| SIZE DN | DIMENSIONS (mm)-Screwed | | | | | EN 1092-1 Flanges | |
|---------|-------------------------|----|----|----|----------|-------------------|----------|
| | A | B | C | D | WGT. Kgs | E | WGT. Kgs |
| 15 | 95 | 59 | 95 | 90 | 2,1 | 150 | 3,7 |
| 20 | 95 | 59 | 95 | 90 | 2,1 | 150 | 4,5 |
| 25 | 95 | 65 | 95 | 90 | 2,1 | 160 | 4,9 |

