

INVERTED BUCKET STEAM TRAPS IB12

DESCRIPTION

The IB12 is a series of general purpose robust and versatile inverted bucket steam traps manufactured in SG iron. These steam traps operate intermittently and are suitable for use with saturated or superheated steam. Typical applications include drip points, steam tracing lines, dryers, chemical and laundry equipment.

MAIN FEATURES

Intermittent discharge.
Discharges condensate at steam temperature.
Unaffected by water hammer and vibrations.
Easy to maintain.

USE: Saturated and superheated steam.

AVAILABLE

MODELS: IB12-4, 8 and 12 – SG iron.

SIZES: 1/2" to 3/4" – DN 15 to DN 20.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Screw-on flanges EN 1092-2 PN 16/40.
Screw-on flanges ASME B16.42 Class 150.

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

MAX. ΔP: IB12-4 – 4 bar
IB12-8 – 8 bar
IB12-12 – 12 bar

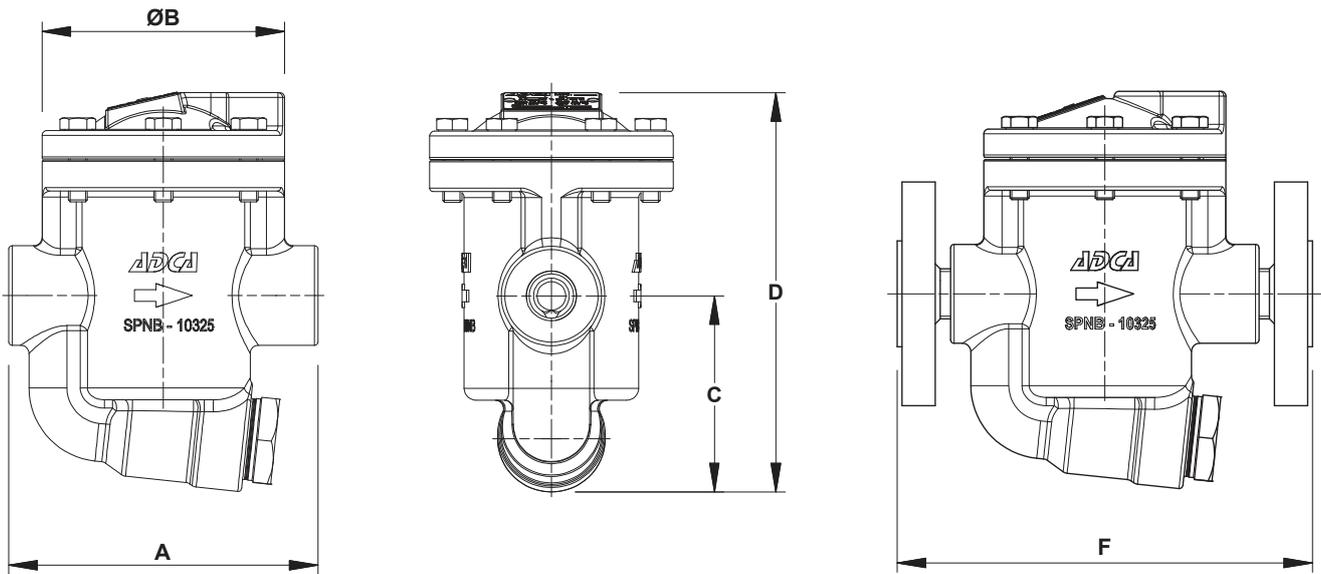


| CE MARKING – GROUP 2 (PED – European Directive) | |
|---|----------|
| PN 16 | Category |
| 1/2" to 3/4" – DN 15 to 20 | SEP |

| BODY LIMITING CONDITIONS | |
|-----------------------------|---------------------|
| THREADED / SCREW-ON FLANGED | RELATED TEMPERATURE |
| ALLOWABLE PRESSURE | |
| 16 bar | 100 °C |
| 15,5 bar | 150 °C |
| 14,7 bar | 200 °C |
| 13,9 bar | 250 °C |

PMO – Max. operating pressure: 14 bar.
TMO – Max. operating temperature: 198 °C.

| FLOW RATE CAPACITY (kg/h) | | | | | | | | | | | | |
|---------------------------|-----------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MODEL | SIZE | DIFFERENTIAL PRESSURE (bar) | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 12 |
| IB12-4 | 1/2" to 3/4" DN 15 to 20 | 280 | 390 | 470 | 530 | – | – | – | – | – | – | – |
| IB12-8 | 1/2" to 3/4" DN 15 to 20 | 190 | 260 | 320 | 360 | 400 | 430 | 460 | 500 | – | – | – |
| IB12-12 | 1/2" to 3/4" DN 15 to 20 | 160 | 220 | 260 | 290 | 320 | 360 | 370 | 400 | 440 | 480 | 490 |



| DIMENSIONS (mm) | | | | | | | | | |
|-----------------|-----|-----|----|-----|-------------|----------|-------------|-----------|-------------|
| THREADED | | | | | | PN 16/40 | | CLASS 150 | |
| SIZE | A | B | C | D | WEIGHT (kg) | F * | WEIGHT (kg) | F * | WEIGHT (kg) |
| 1/2" – DN 15 | 130 | 102 | 83 | 168 | 3,9 | 175 | 5,3 | 175 | 4,7 |
| 3/4" – DN 20 | 130 | 102 | 83 | 168 | 3,9 | 175 | 5,8 | 175 | 5 |

* With screw-on flanges.

| MATERIALS | | |
|-----------|-------------------|----------------------------|
| POS. N° | DESIGNATION | MATERIAL |
| 1 | Body | GJS-400-15 / 0.7040 |
| 2 | Cover | GJS-400-15 / 0.7040 |
| 3 | * Gasket | Stainless steel / Graphite |
| 4 | * Seat | AISI 410 / 1.4006 |
| 5 | * Valve | AISI 410 / 1.4006 |
| 6 | * Lever | AISI 304 / 1.4301 |
| 7 | * Bucket | AISI 304 / 1.4301 |
| 8 | * Strainer screen | AISI 304 / 1.4301 |
| 9 | Gasket | Stainless steel / Graphite |
| 10 | Plug | A105 / 1.0432 |
| 11 | Bolts | Steel 8.8 |

* Available spare parts.

