

## INVERTED BUCKET STEAM TRAPS IBB12

### DESCRIPTION

The IBB12 series inverted bucket steam traps are recommended for applications where the most important requirements are overall operating efficiency and long, trouble-free service life. They operate intermittently, either wide open or tightly closed and are, therefore, best suited for medium and high steam pressure applications.

### 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: IBB12-4, 8 and 12 – SG iron.

SIZES: 3/4" to 1".

CONNECTIONS: Female threaded ISO 7 Rp or NPT.  
Threaded flanges on request.

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

MAX. ΔP: IBB12-4 – 4 bar  
IBB12-8 – 8 bar  
IBB12-12 – 12 bar



BODY LIMITING CONDITIONS	
THREADED PN 16 ALLOWABLE PRESSURE	RELATED TEMPERATURE
16 bar	100 °C
15,5 bar	150 °C
14,7 bar	200 °C
13,9 bar	250 °C

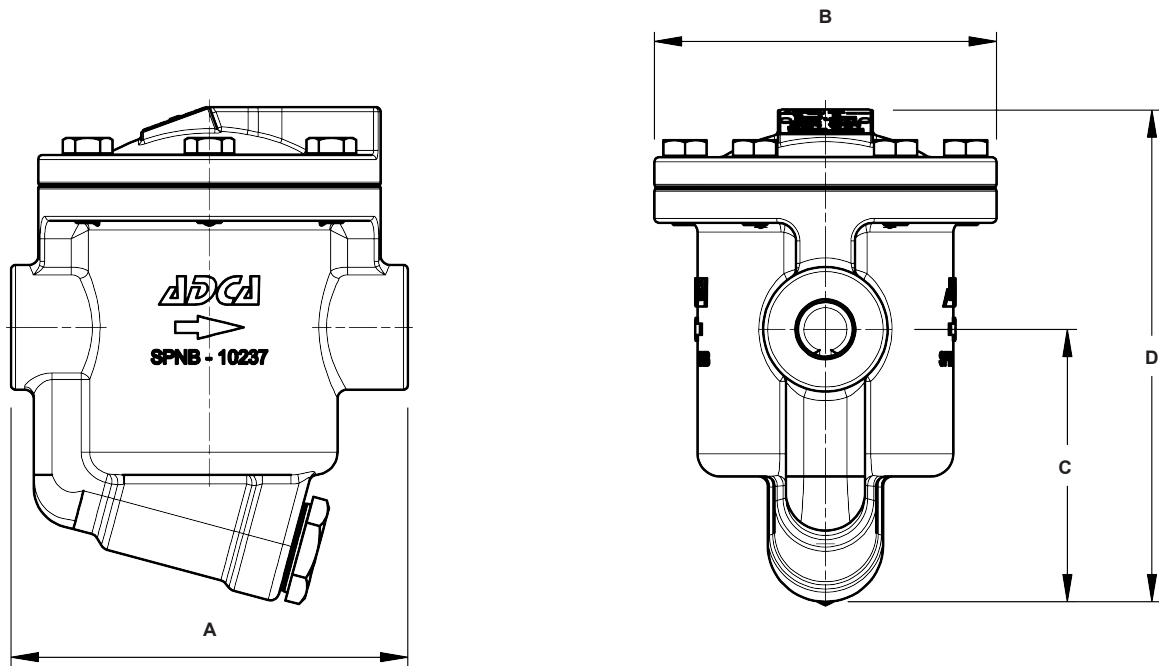
PMO – Max. operating pressure: 14 bar;  
TMO – Max. operating temperature: 198 °C.

### CE MARKING – GROUP 2 (PED – European Directive)

PN 16	Category
3/4" to 1"	SEP

### FLOW RATE CAPACITY (kg/h)

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		1	2	3	4	5	6	7	8	10	11	12
IBB12-4	3/4" to 1"	1090	1340	1550	1670	–	–	–	–	–	–	–
IBB12-8	3/4" to 1"	725	910	1030	1100	1160	1210	1250	1290	–	–	–
IBB12-12	3/4" to 1"	570	720	810	860	920	950	985	1010	1060	1080	1100



DIMENSIONS (mm)					
SIZE	A	B	C	D	WEIGHT (kg)
3/4"	175	150	127	219	7
1"	175	150	127	219	6,9

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.

