

## INVERTED BUCKET STEAM TRAPS IBB12

### DESCRIPTION

The ADCA IBB12 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: IBB12-4, IBB12-8 and IBB12-12 – SG iron.

SIZES: 3/4" and 1"; DN 20 and DN 25.

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.

ΔPMX: IBB12-4 – 4 bar  
IBB12-8 – 8 bar  
IBB12-12 – 12 bar

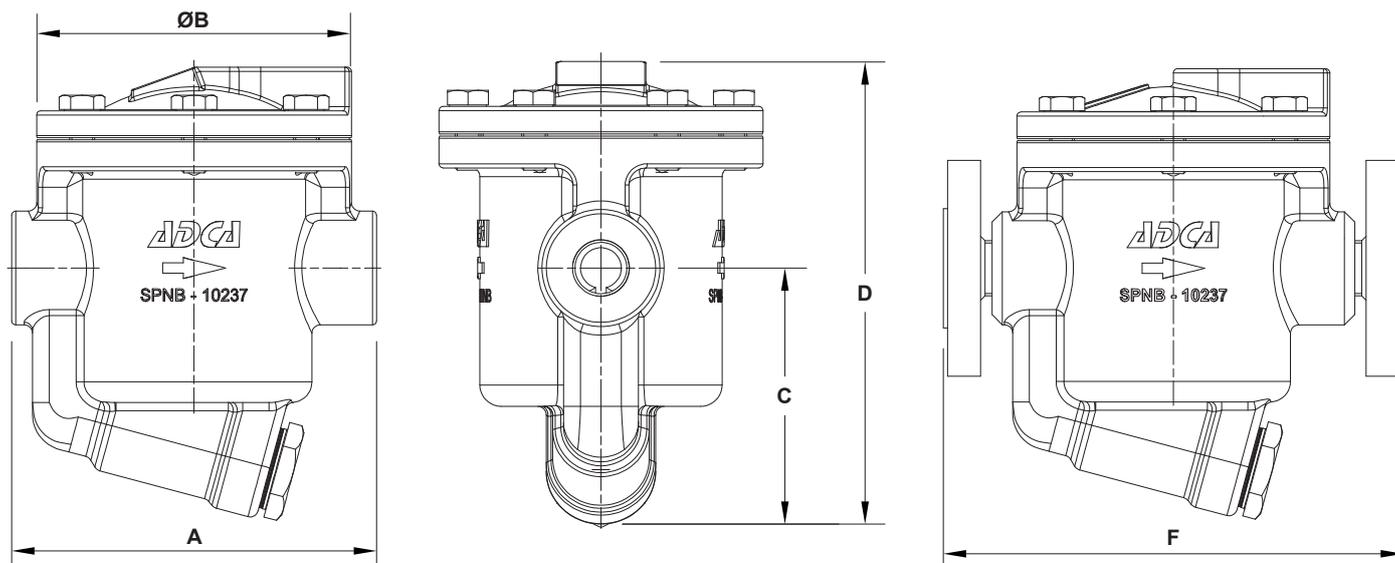


CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)	
PN 16	CATEGORY
3/4" and 1" – DN 20 and 25	SEP

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

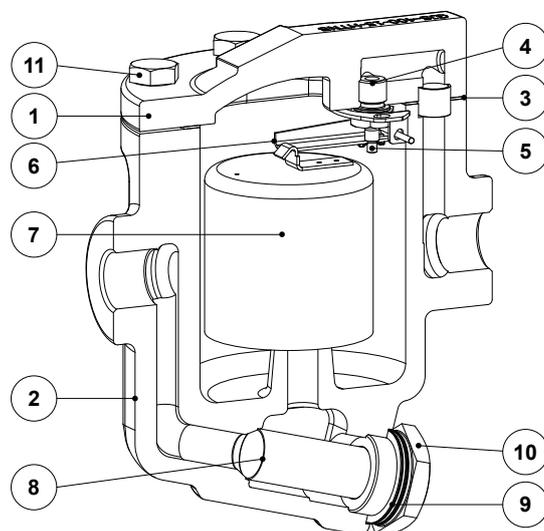
PMO – Maximum operating pressure: 14 bar.  
TMO – Maximum operating temperature: 198 °C.

FLOW RATE CAPACITY (kg/h)												
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		1	2	3	4	5	6	7	8	10	11	12
IBB12-4	3/4" and 1" – DN 20 and 25	1090	1340	1550	1670	–	–	–	–	–	–	–
IBB12-8	3/4" and 1" – DN 20 and 25	725	910	1030	1100	1160	1210	1250	1290	–	–	–
IBB12-12	3/4" and 1" – DN 20 and 25	570	720	810	860	920	950	985	1010	1060	1080	1100



DIMENSIONS (mm)									
SIZE	THREADED					PN 16 / PN 40		CLASS 150	
	A	ØB	C	D	WEIGHT (kg)	F *	WEIGHT (kg)	F *	WEIGHT (kg)
3/4" - DN 20	175	151	120	217	9,4	222	11,2	222	10,4
1" - DN 25	175	151	120	217	9,3	222	11,5	222	10,8

\* With screw-on flanges.



MATERIALS					
POS. No.	DESIGNATION	MATERIAL	POS. No.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040	7	* Bucket	AISI 304 / 1.4301
2	Cover	GJS-400-15 / 0.7040	8	* Strainer screen	AISI 304 / 1.4301
3	* Gasket	Stainless steel / Graphite	9	Gasket	Stainless steel / Graphite
4	* Seat	AISI 410 / 1.4006	10	* Strainer cover	A105 / 1.0432
5	* Valve	AISI 410 / 1.4006	11	Bolt	Steel 8.8
6	* Lever mechanism	AISI 304 / 1.4301			

\* Available spare parts.