



## 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.



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.  $\Delta P$ : 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	TEMPERATURE					
16 bar	100 °C					
15,5 bar	150 °C					
14.7 har	200 ℃					

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

13,9 bar

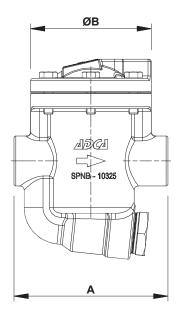
	FLOW RATE CAPACITY (kg/h)											
MODEL	0175		DIFFERENTIAL PRESSURE (bar)									
MODEL	SIZE	1	2	3	4	5	6	7	8	10	11	12
IB12-4	1/2" to 3/4" DN 15 to 20	280	390	470	530	-	-	_	-	-	-	_
IB12-8	1/2" to 3/4" DN 15 to 20	190	260	320	360	400	430	460	500	-	-	_
IB12-12	1/2" to 3/4" DN 15 to 20	160	220	260	290	320	360	370	400	440	480	490

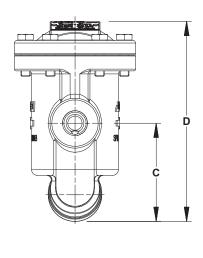


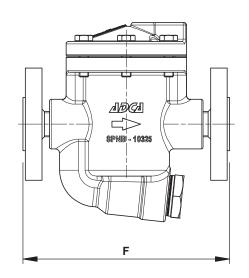
250 °C











DIMENSIONS (mm)									
THREADED						PN 1	6/40	CLASS 150	
SIZE	Α	В	С	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

<sup>\*</sup> With screw-on flanges.

MATERIALS							
POS.	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					

<sup>\*</sup> Available spare parts.

