INVERTED BUCKET STEAM TRAPS
IB30
(11/2" and 2" – DN 40 and DN 50)

DESCRIPTION

The ADCA IB30 is a series of general purpose robust and versatile inverted bucket steam traps manufactured in carbon steel.
These steam traps operate intermittently and are suitable for use with saturated or superheated steam.
Typical applications include dryers, heat exchangers, heating coils, chemical and laundry equipment where high flow capacities are involved.



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: IB30S-4, IB30S-8 and IB30S-12 – carbon steel.



SIZES: 11/2" and 2"; DN 40 and DN 50.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-1 PN 25
Flanged ASME B16.5 Class 150 or 300.
Socket weld (SW) ASME B16.11.
Butt weld (BW) ASME B16.25 on request.

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

ΔPMX: IB30S-4 – 4 bar
IB30S-8 – 8 bar
IB30S-12 – 12 bar

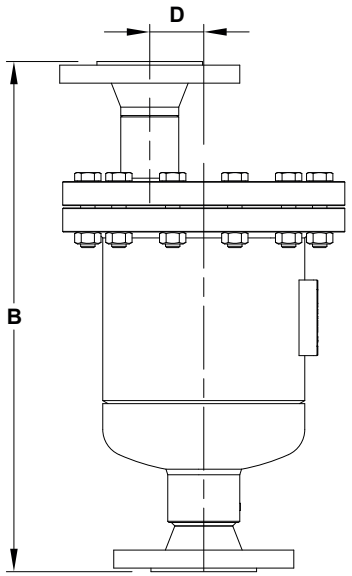
CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)	
PN 25	**CATEGORY**
11/2" and 2" DN 40 and 50	1 (CE marked)

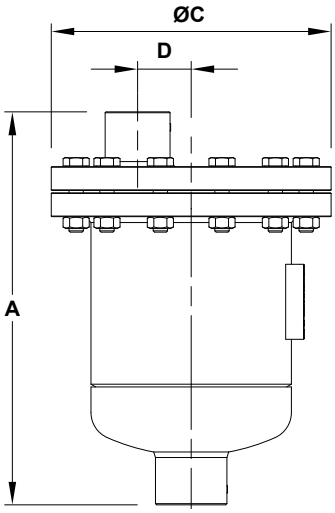
BODY LIMITING CONDITIONS		
FLANGED PN 25 / CLASS 300 *	**FLANGED CLASS 150 ****	**RELATED TEMPERATURE**
ALLOWABLE PRESSURE	**ALLOWABLE PRESSURE**	
23,2 bar	15,4 bar	100 ºC
20,8 bar	13,8 bar	200 ºC
19 bar	12,1 bar	250 ºC
17,2 bar	10,2 bar	300 ºC

PMO – Maximum operating pressure: 17 bar.
TMO – Maximum operating temperature: 220 ºC.
* According to EN 1092-1:2018.
** According to EN 1759-1:2004.
Body limiting conditions PN 25 or below, depending on the type of connection adopted. Rating PN 25 for threaded, SW and BW versions.

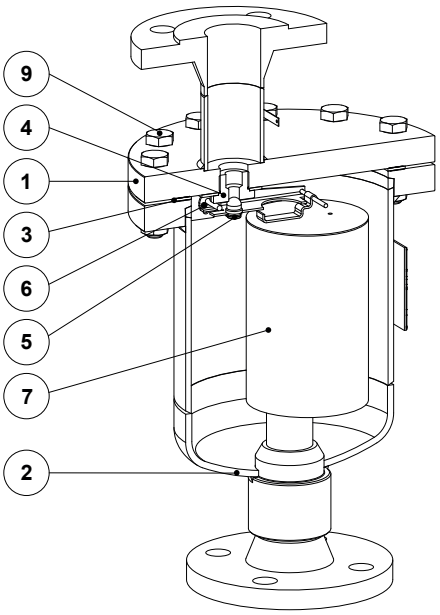
We reserve the right to change the design and material of this product without notice.

FLOW RATE CAPACITY (kg/h)											
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)									
		1	2	3	4	5	6	7	8	10	11	12
IB30S-4	11/2" and 2" DN 40 and 50	2200	2770	3220	3570	–	–	–	–	–	–	–
IB30S-8	11/2" and 2" DN 40 and 50	1850	2200	2560	2800	3070	3300	3500	3700	–	–	–
IB30S-12	11/2" and 2" DN 40 and 50	1150	1500	1720	1880	2050	2200	2325	2470	2670	2820	2900





DIMENSIONS (mm)										
SIZE	THREADED / SW				PN 25		CLASS 150		CLASS 300	
	A	ØC	D	WEIGHT (kg)	B	WEIGHT (kg)	B	WEIGHT (kg)	B	WEIGHT (kg)
11/2" – DN 40	330	235	45	17,5	425	21,6	442	21,3	448	23,4
2" – DN 50	338	235	45	18	428	23,5	444	23,6	450	24,9



MATERIALS		
POS. No.	DESIGNATION	MATERIAL
1	Body	S355JR / 1.0045
2	Cover	P235GH / 1.0345
3	* Gasket	Stainless steel / Graphite
4	* Seat	Hardened stainless steel
5	* Valve	Hardened stainless steel
6	* Lever mechanism	AISI 304 / 1.4301
7	* Bucket	AISI 304 / 1.4301
9	Bolt	Steel 8.8

* Available spare parts.

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