

INVERTED BUCKET STEAM TRAPS IB30S (DN 1 1/2" – 2"; DN 40 – 50)

DESCRIPTION

IB30 series inverted bucket steam traps are recommended for all services 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 service at medium and high steam pressures.

Connections are female screwed or flanged.

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
- SIZES: DN 1 1/2" - DN 2" ; DN40 – DN50
- CONNECTIONS: Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN25 or ANSI
Special flanges on request.
- INSTALLATION: Vertical installation
See IMI installation and maintenance instructions.



BODY LIMITING CONDITIONS		
IB30S		RELATED TEMP.
FLANGED PN 25 / ANSI 300 *	FLANGED ANSI 150 **	
ALLOW. PRES.	ALLOW. PRES.	
23,2 bar	15,4	100 °C
20,8	13,8	200 °C
19	12,1	250 °C
17,2	10,2	300 °C

PMO - Max. operating pressure 17 bar;

TMO - Max. operating temperature 220 °C

* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004

Body limiting conditions PN25 or below, depending on the type of connection adopted. Rating PN25 for thread, SW and BW.

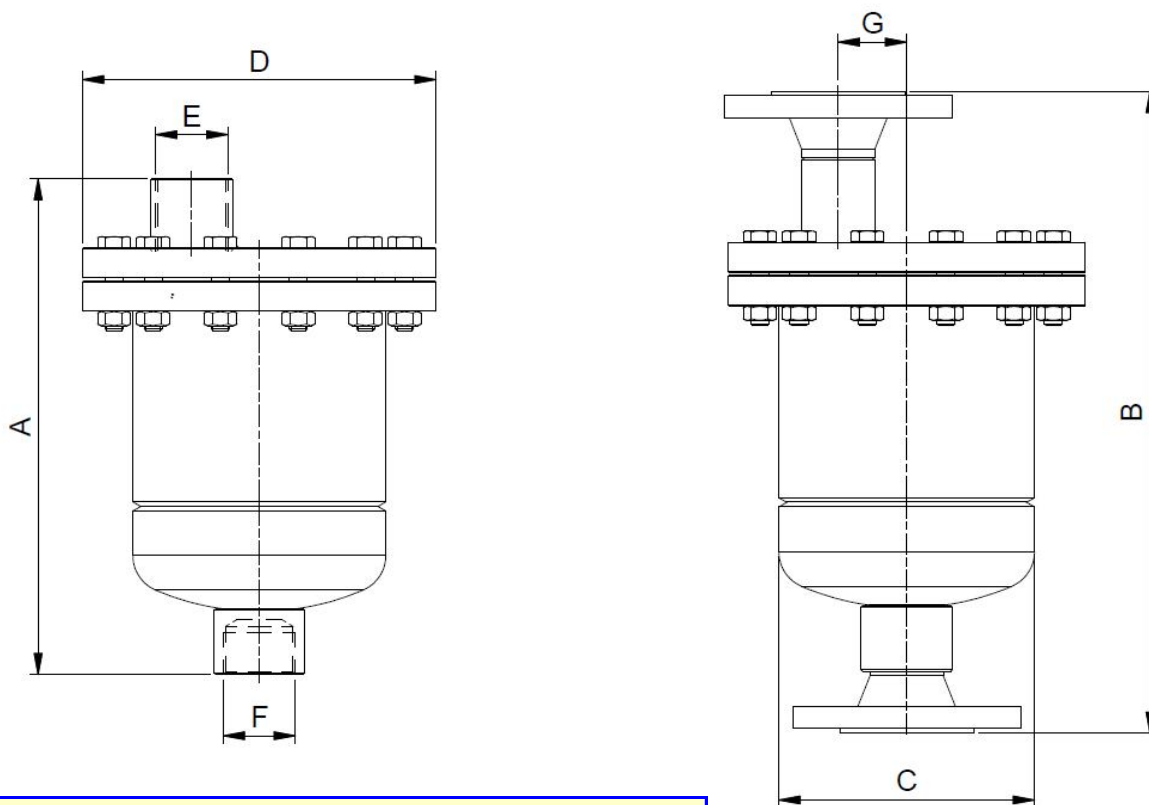
MAX. DIFFERENTIAL PRESSURE

- IB30S-4: 4 bar
IB30S-8 : 8 bar
IB30S-12: 12 bar

CE MARKING (PED - European Directive 97/23/EC)		
PN 16	PN 25	Category
DN40 - DN50	DN40 - DN50	1 (CE Marked)

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		1	2	3	4	5	6	7	8	10	11	12
IB30-4	40 - 50	2200	2770	3220	3570							
IB30-8	40 - 50	1850	2200	2560	2800	3070	3300	3500	3700			
IB30-12	40 - 50	1150	1500	1720	1880	2050	2200	2325	2470	2670	2820	2900

Recommend safety factor: continuous service = 1.2 - 1.5 ; discontinuous service = 2 - 3.



DIMENSIONS (mm) - IB30S										
Screwed and SW*					EN PN16/25		ANSI 150		ANSI 300	
SIZE DN	A	C	G	WGT. Kgs	B	WGT. Kgs	B	WGT. Kgs	B	WGT. Kgs
40 - 1.1/2"	330	168,2	45	17,5	425	21,6	442	21,3	448	23,4
50 - 2"	338	168,2	45	18	428	23,5	444	23,6	450	24,9

* BW (butt weld) on request.

MATERIALS		
POS. N°.	DESIGNATION	MATERIAL
1	Body	S355J2G3 / 1.0570
2	Cover	P235GH / 1.0345
3	*Gasket	Graphite
4	*Seat	Al SI 420 / 1.4021
5	*Valve	Al SI 420 / 1.4021
6	*Lever	Al SI 304 / 1.4301
7	*Bucket	Al SI 304 / 1.4301
8	Inlet tube	P235GH / 1.0345
9	Bolts	Steel 8.8

* Available spare parts

