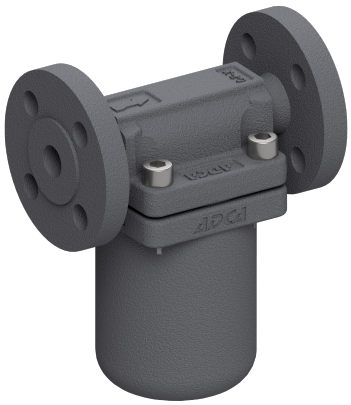
INVERTED BUCKET STEAM TRAPS
IB36

DESCRIPTION

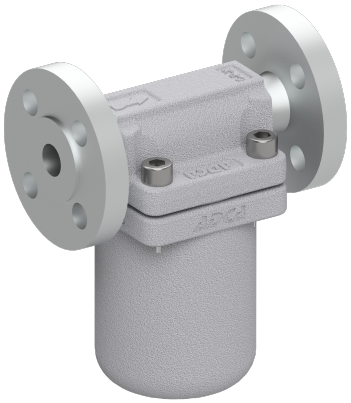
The ADCA IB36 is a series of robust and versatile inverted bucket steam traps manufactured in carbon steel and stainless steel.
These steam traps operate intermittently, and are suitable for use with low to high pressure saturated or superheated steam.
Typical applications include drip points, steam tracing lines, dryers, chemical and laundry equipment.



MAIN FEATURES

Intermittent discharge.
Discharges condensate at steam temperature.
Unaffected by water hammer and vibrations.
Robust and versatile.
Easy to maintain.

OPTIONS: Cover connection with plug (mandatory if any of the below options are considered).
BDV – Blowdown valve.
AFZ – Anti-freeze device.

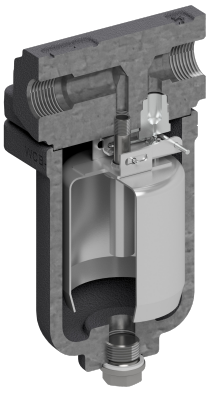


USE: Saturated and superheated steam.

AVAILABLE MODELS: IB36S-5, IB36S-10, IB36S-15, IB36S-30 and IB36S-40 – carbon steel.
IB36i-5, IB36i-10, IB36i-15 and IB36i-27 – stainless steel.

SIZES: 1/2" to 1"; DN 15 to DN 25.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-1 PN 40.
Flanged ASME B16.5 Class 150 or 300.
Socket weld (SW) ASME B16.11.
Butt weld (BW) ASME B16.25 on request.



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

ΔPMX: IB36S-5 and IB36i-5 – 5 bar
IB36S-10 and IB36i-10 – 10 bar
IB36S-15 and IB36i-15 – 15 bar
IB36i-27 – 27 bar
IB36S-30 – 30 bar
IB36S-40 – 40 bar

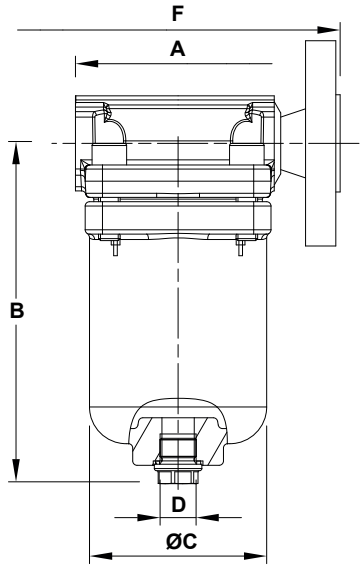
CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)	
PN 40	**CATEGORY**
1/2" to 1" – DN 15 to 25	SEP

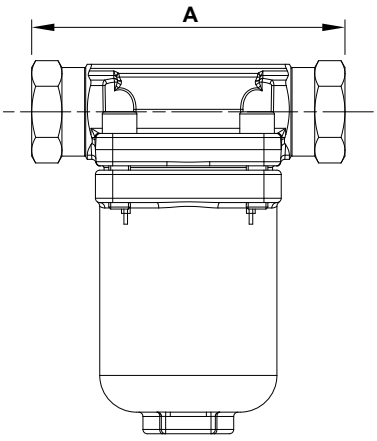
We reserve the right to change the design and material of this product without notice.

BODY LIMITING CONDITIONS					
IB36S			IB63i		RELATED TEMPERATURE
FLANGED CLASS 300 / THREADED / BW / SW **	FLANGED PN 40 *	FLANGED CLASS 150 **	FLANGED PN 40 / CLASS 300 / THREADED / BW / SW	FLANGED CLASS 150 **	
ALLOW. PRESSURE	ALLOW. PRESSURE	ALLOW. PRESSURE	ALLOW. PRESSURE	ALLOW. PRESSURE	
50 bar	40 bar	19,3 bar	37 bar	15,3 bar	50 ºC
46,3 bar	37,1 bar	17,7 bar	30 bar	13,3 bar	100 ºC
43,9 bar	33,3 bar ***	14 bar ***	28,8 bar	11,1 bar ***	200 ºC
41,6 bar ***	30,4 bar	12,1 bar	26,6 bar ***	10,2 bar	250 ºC
38,9 bar	27,6 bar	10,2 bar	25,2 bar	9,7 bar	300 ºC
34,6 bar	23,8 bar	6,5 bar	23,1 bar	6,5 bar	400 ºC

* According to EN 1092-1:2018; ** According to EN 1759-1:2004.
*** PMO – Maximum operating pressure.
TMO – Maximum operating temperature: 400 ºC.

FLOW RATE CAPACITY (kg/h)																
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		1	2	3	4	5	6	7	8	9	10	15	20	27	30	40
IB36S-5 and IB36i-5	1/2" to 1" – DN 15 to 25	290	400	495	550	610	–	–	–	–	–	–	–	–	–	–
IB36S-10 and IB36i-10	1/2" to 1" – DN 15 to 25	225	300	350	395	420	470	490	520	540	560	–	–	–	–	–
IB36S-15 and IB36i-15	1/2" to 1" – DN 15 to 25	190	255	295	330	370	390	410	445	465	490	520	–	–	–	–
IB36S-30 and IB36i-27	1/2" to 1" – DN 15 to 25	130	180	210	225	265	285	300	315	340	355	415	450	470	480	–
IB36S-40	1/2" to 1" – DN 15 to 25	90	120	135	155	165	185	205	220	230	245	290	320	355	370	400



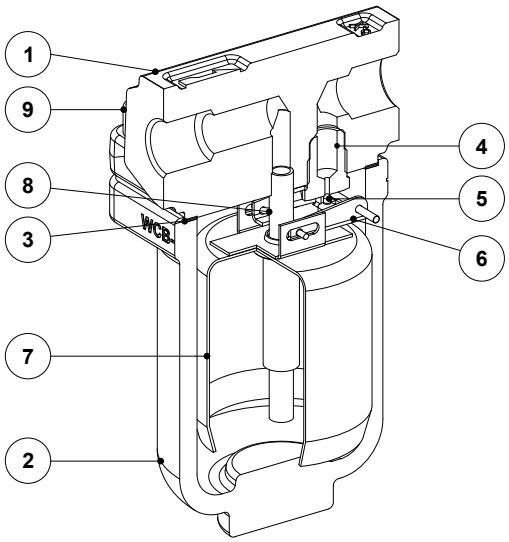


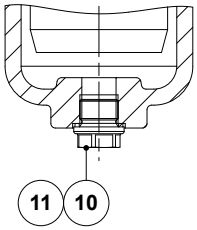
Only for 1" threaded version (with welded coupling)

DIMENSIONS (mm)													
SIZE	THREADED					SW		PN 40		CLASS 150		CLASS 300	
	A	B	ØC	D *	WGT. (kg)	A	WGT. (kg)	F	WGT. (kg)	F	WGT. (kg)	F	WGT. (kg)
1/2" – DN 15	95	153	82	3/8"	3,9	95	3,9	150	5,4	150	4,8	150	5,3
3/4" – DN 20	95	153	82	3/8"	3,8	95	3,8	150	5,9	150	5,2	150	6,2
1" – DN 25	145 **	153	82	3/8"	4	95	3,8	160	6,3	160	5,7	160	6,8

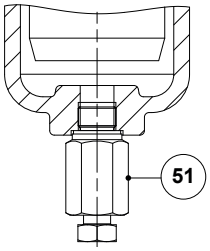
* As standard, in versions with EN flanges or female Rp threads, this connection is female threaded ISO 7 Rp. In versions with ASME flanges, female NPT threads or SW, this connection is female threaded NPT.
** With welded coupling.

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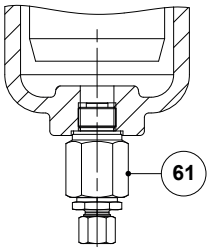




Optional cover connection with plug



Optional blowdown valve (BDV); Manual



Optional anti-freeze device (AFZ); Automatic

MATERIALS			
POS. No.	**DESIGNATION**	**IB36S**	**IB36i**
1	Body	P250GH / 1.0460	AISI 316L / 1.4404
2	Cover	A216 WCB / 1.0619	A351 CF8M / 1.4408
3	* Gasket	Stainless steel / Graphite	Stainless steel / Graphite
4	* Seat	Hardened stainless steel	Hardened stainless steel
5	* Valve	Hardened stainless steel	Hardened stainless steel
6	* Lever mechanism	AISI 304 / 1.4301	AISI 304 / 1.4301
7	* Bucket	AISI 304 / 1.4301	AISI 304 / 1.4301
8	Inlet tube	AISI 316L / 1.4404	AISI 316L / 1.4404
9	Bolt	ASTM A193 Gr. B7	Stainless steel A2-70
10	Plug	AISI 316 / 1.4401	AISI 316 / 1.4401
11	** Washer	Copper; AISI 304 / 1.4301	Copper; AISI 304 / 1.4301
51	Blowdown valve	AISI 303 / 1.4305; AISI 316L / 1.4404	AISI 303 / 1.4305; AISI 316L / 1.4404
61	Anti-freeze device	AISI 303 / 1.4305; AISI 316L / 1.4404	AISI 303 / 1.4305; AISI 316L / 1.4404

* Available spare parts; ** Not applicable in NPT version.

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