

5.01

THERMODYNAMIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

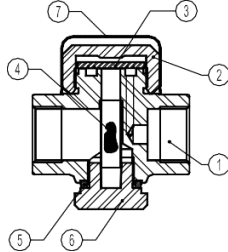
DT 40S

THERMODYNAMIC STEAM TRAPS

PN63

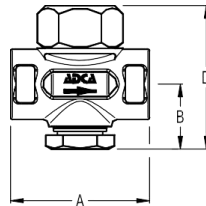
dal Ø3/8" al Ø1"

- USE**
Saturated and superheated steam.
- MODELS**
DT 40S
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21).
- INSTALLATION**
Horizontal installation recommended.
Can be installed in any position.
- APPLICATION LIMITS**
Min-working pressure – 0,25 bar.
Max. working back pressure – 80%.



POS NR.	DESIGNATION	MATERIAL
1	BODY	CA-40 / 1.4729
2	COVER	AISI304 / 1.4301
3	*DISC	AISI420 / 1.4021
4	*STRAINER SCREEN	AISI304 / 1.4301
5	*GASKET	INOX/GRAFITE
6	STRAINER SCREEN	AISI304 / 1.4301
7	*ATHERMAL HOOD	AISI304 / 1.4301

*Available spare parts.



DIMENSIONS (mm)						
SIZE DN	A	B	C	D	E	WG7. Kgs
3/8"	70	35	40	73,5	39	0,58
1/2"	70	35	40	73,5	39	0,61
3/4"	75	35	40	77,5	46	0,9
1"	90	35	50	90	52,5	1,3

PMA – Max. allowable pressure 63 bar
TMA – Max. allowable temperature 400 °C
PMO – Max. operating pressure 40 bar
TMO – Max. operating temperature 350 °C

FLOW RATE CAPACITY IN Kgs/h

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	3	6	9	12	15	18	21	24	30	35	40
DT 40S	3/8"	80	85	115	160	190	210	250	300	310	350	420	490	510
DT 40S	1/2"	140	170	250	330	400	490	500	580	605	690	720	800	820
DT 40S	3/4"	190	225	345	480	590	700	750	810	900	990	1100	1300	1390
DT 40S	1"	290	350	500	700	830	995	1200	1290	1320	1500	1750	1800	1995

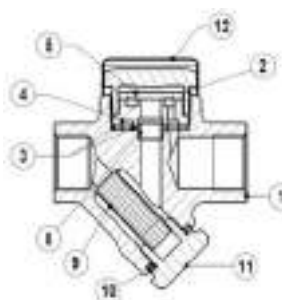
DT 42/2

THERMODYNAMIC STEAM TRAPS

PN63

Ø1/2" - Ø1"
DN15 – DN25

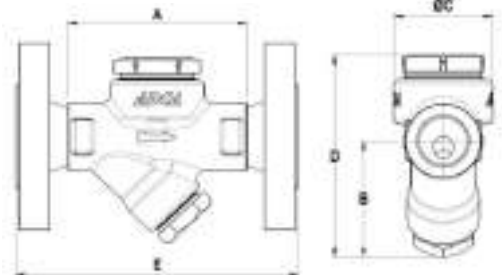
- OPTIONS**
Insulation cover.
Blowdown valve.
- USE**
Saturated and superheated steam.
- MODELS**
DT 42/S
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21).
Flanged EN1092-1 PN40-PN63 or ANSI.
- INSTALLATION**
Horizontal installation recommended.
Can be installed in any position.
- APPLICATION LIMITS**
Min-working pressure – 0,25 bar.
Max. working back pressure – 80%.



MATERIALS		
POS. N°.	DESIGNATION	MATERIAL
1	Body	P230GH / 1.6460
2	Cover	AISI304 / 1.4301
3	*Gasket	Stainless St./Graphite
4	*Seat	Hardened St.Steel
5	*Valve disc	Hardened St.Steel
8	*Tube	AISI304 / 1.4301
9	*Strainer screen	AISI304 / 1.4301
10	*Gasket	Stainless St./Graphite
11	Plug	A105 / 1.0430
12	Insulation cover	AISI304 / 1.4301

*Available spare parts.

FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)												
		1	3	5	7	9	12	15	18	21	24	30	35	42
DT 42/2	1/2"-15	180	250	300	360	430	520	550	590	620	690	730	770	820
DT 42/2	3/4"-20	320	450	520	600	680	770	810	850	900	930	950	980	1040
DT 42/2	1"-25	320	450	530	600	690	720	810	850	900	930	950	980	1040



BODY LIMITING CONDITIONS			
FLANGED PN63 *	FLANGED PN63 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW FREE	ALLOW FREE	ALLOW FREE	
33 bar	41 bar	16,3 bar	50 °C
35,5 bar	37 bar	15,8 bar	150 °C
44 bar	30,4 bar	12,1 bar	250 °C
45,8 bar	27,8 bar	10,5 bar	300 °C

PN63 - Max. operating pressure 63 bar
TMO - Max. operating temperature 350 °C
* Rating according to EN1092-1, 2, 307 ** Rating according to EN1759-1, 2, 304
Note: Body limiting conditions PN63 or below, depending on the type of connection
adapted 4. Rating PN63 for thread, 3/4 and 1".

DIMENSIONS (mm)													
SIZE DN	Screwed and 3/4" *					EN PN15/PN63		EN PN63		ANSI 150		ANSI 300	
	A	B	C	D	WG7. Kgs	E	WG7. Kgs	E	WG7. Kgs	E	WG7. Kgs	E	WG7. Kgs
10-1/2"	95	60	90	134	1,3	250	2,6	150	3,7	150	2,4	150	2,8
20-3/4"	95	60	90	134	1,2	250	3,3	190	5,2	150	2,8	150	3,8
25-1"	95	60	90	130	1,5	300	4	190	6,5	160	3,8	160	4,5

* BW (BW) (BW) (BW) (BW)

5.02

THERMODYNAMIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

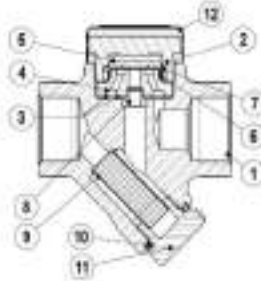
DT 46

THERMODYNAMIC STEAM TRAPS

PN40 - PN100

Ø1/2" - Ø1"
DN15 - DN25

- **OPTIONS**
Blowdown valve.
- **USE**
Saturated and superheated steam.
- **MODELS**
DT 46
- **CONNECTIONS**
Female screwed ISO7/1 Rp (BS21).
Flanged EN1092-1 PN40-PN100 or ANSI.
- **INSTALLATION**
Horizontal installation recommended.
Can be installed in any position.
- **APPLICATION LIMITS**
Min-working pressure - 1,5 bar.
Max. working back pressure - 80%.



MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	IP25GGH / 1.0480
2	Cover	AISI304 / 1.4301
3	*Gasket	Stainless St./Graphite
4	*Seat	Hardened St. Steel
5	*Valve disk	Hardened St. Steel
6	*Bimetal ring	Bimetal
7	*Washer support	AISI304 / 1.4301
8	*Tube	AISI304 / 1.4301
9	*Strainer screen	AISI304 / 1.4301
10	*Gasket	Stainless St./Graphite
11	Plug	A105 / 1.0432
12	Insulation cover	AISI304 / 1.4301

* Available spare parts

BODY LIMITING CONDITIONS					
FLANGED PN 40 / ANSI 300 *	FLANGED ANSI 150 **	FLANGED PN 65 *	FLANGED PN 100 *	FLANGED ANSI 6006 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	
40 bar	17,3 bar	65 bar	100 bar	90,5 bar	50 °C
37,3 bar	15,4 bar	58,5 bar	92,8 bar	80,2 bar	100 °C
33,9 bar	13,8 bar	52,5 bar	80,8 bar	72 bar	200 °C
32,8 bar	10,2 bar	43,5 bar	69 bar	59,7 bar	300 °C
23,8 bar	6,9 bar	37,5 bar	50,5 bar	51,4 bar	400 °C

PN40: * Max. operating pressure - 40 bar; TMO: ** Max. operating temperature - 400 °C

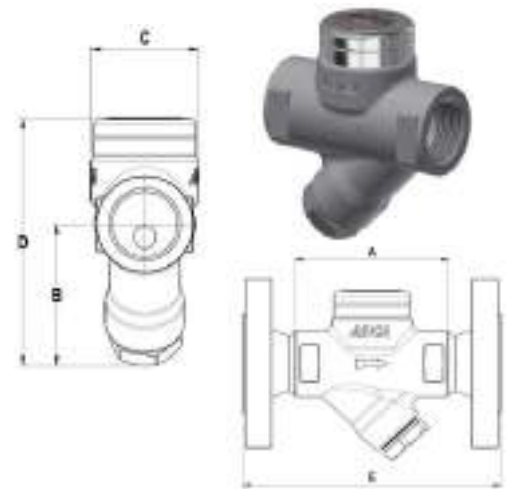
* According to EN1092-1:2007; ** Acc. to EN1759-1:2004

Body limiting conditions PN50 or below, depending on the type of connection adopted. Rating PN100 for thread, SW and BW.

FLOW RATE CAPACITY IN Kgsh															
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)													
		1,5	3	5	7	9	12	15	18	21	24	30	36	42	48
DT 46 (Hot)	1/2"-Ø5 1"-Ø5	70	100	130	175	190	200	225	240	250	270	300	305	310	320
DT 46 (Cold)	1/2"-Ø5 1"-Ø5	170	250	300	335	390	435	465	520	575	600	645	695	745	805

DIMENSIONS (mm)													
Screwed and SW *					EN PN15/PN40		EN PN65		ANSI 150		ANSI 300		
SIZE DN	A	B	C	D	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs
15-1/2"	95	60	50	109	1,3	150	2,8	150	3,7	150	3,9	150	4,9
20-3/4"	95	60	50	109	1,2	150	3,3	150	5,2	150	4,8	150	7
25-1"	95	66	50	115	1,5	160	4,1	150	6,7	150	6,5	160	8,5

* SW (but weld) on request.



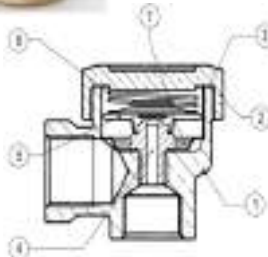
TH 13A

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN16

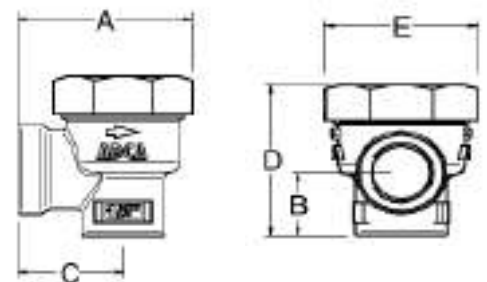
Ø1/2"

- **USE**
Saturated steam.
- **MODELS**
TH13A
- **CONNECTIONS**
Female screwed ISO7/1 Rp (BS21).
- **INSTALLATION**
Vertical installation, angle connection.



MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	Brass EN12165 / CuZn39Pb2
2	Cover	Brass EN12165 / CuZn39Pb2
3	* Gasket	St. St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostat	Stainless steel
6	* Spring	AISI302 / 1.4300
7	* Strainer screen	AISI304 / 1.4301

* Available spare parts



PMA - Max. allowable pressure 16 bar
TMA - Max. allowable temperature 260 °C
PMO - Max. operating pressure 13 bar
TMO - Max. operating temperature 200 °C
How to order: i.e. TH13A DN 1/2" BSP

DIMENSIONS (mm)-Screwed						
SIZE DN	A	B	C	D	E	WGT. Kgs
1/2"	63	22,5	38	54	50	0,5

FLOW RATE CAPACITY IN Kgsh													
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)											
		0,2	0,3	0,5	1	1,5	2	3	4	6	10	13	
TH13A	1/2"	45	55	70	95	125	135	160	200	270	315	330	360

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostat). Thermostats for 5° C type-H and 30° type-L, also available.

Capacities for cold condensate discharge at 20°C are two to three times greater.

5.03

THERMOSTATIC STEAMTRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

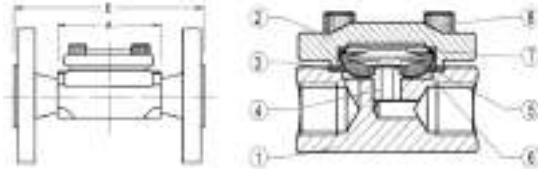
TH 21

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN25

dal Ø1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
LC-low capacity.
- USE**
Saturated steam.
- SIZE**
TH21 , TH21LC
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN 1092-1 PN25 or ANSI.

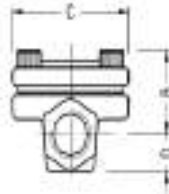


MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	P200GH / 1.0460
2	Cover	P200GH / 1.0460
3	* Gasket	St.St./Graphite
4	Valve seat	AISI304 / 1.4301
5	* Thermostatic element	Stainless steel
6	* Strainer screen	AISI304 / 1.4301
7	* Spring	AISI302 / 1.4300
8	Bolts	Steel 8.8

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN25*	FLANGED ANSI 150**	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
22.2 bar	11.3 bar	100 °C
20.8 bar	11.3 bar	200 °C
19 bar	12.1 bar	250 °C
17.2 bar	12.2 bar	300 °C

PMO - Max. op. pressure 21 bar; TMO - Max. Op. temperature 250 °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.



SIZE DN	DIMENSIONS (mm)									
	Screwed					EN PN16 / 40		ANSI 150		
	A	B	C	D	WGT. Kgs	E	WGT. Kgs	F	WGT. Kgs	
15-1/2"	70	35	60	15	0.7	100	2.2	130	1.7	

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	12	15	20	21
TH21	1/2" - 15	70	120	140	255	330	385	455	510	600	670	700	720	750	775	795
TH21LC	1/2" - 15	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostat).
Thermostats for 5° C type-H and 30° type-L, also available. Capacities for cold condensate discharge at 20°C are two to three times greater.

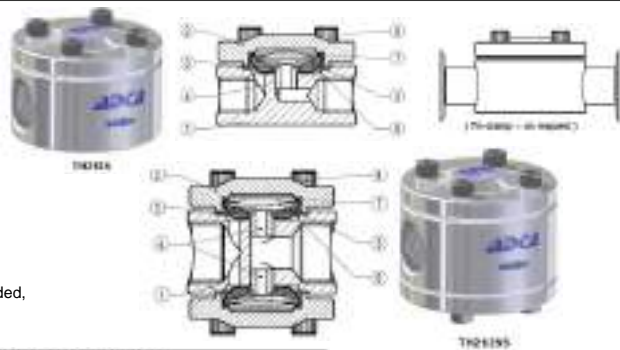
TH 21SS

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN25

dal Ø1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
LC-low capacity.
- USE**
Saturated steam.
- SIZE**
TH21SS , TH21SSLC , TH21/2SS
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI.
- INSTALLATION**
Horizontal installation recommended, can be installed in any position.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	AISI316 / 1.4401
2	Cover	AISI316 / 1.4401
3	* Gasket	St.St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostatic element	Stainless steel
6	* Strainer screen	AISI304 / 1.4301
7	* Spring	AISI302 / 1.4300
8	Bolts	St. Steel A2-70

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300*	FLANGED ANSI 150**	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	16 bar	100 °C
33.7 bar	13.8 bar	200 °C
31.8 bar	12 bar	250 °C
29.7 bar	12.2 bar	300 °C

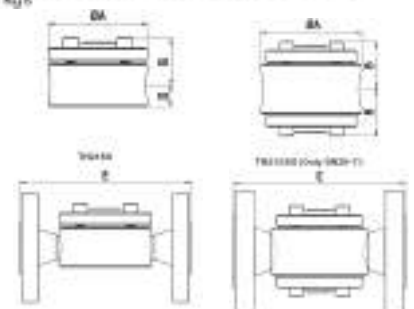
PMO - Max. op. pressure 21 bar; TMO - Max. Op. temperature 250 °C
* According to EN1092-1:2007; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread.

SIZE DN	DIMENSIONS (mm)									
	Screwed					EN PN16/40		ANSI 150		ANSI 300
	A	B	D	WGT. Kgs	E	WGT. Kgs	F	WGT. Kgs	E	WGT. Kgs
15-1/2"	90	35	17	1.2	150	3.2	150	2.8	150	3.5
20-3/4"	80	37	20	1.9	150	4.1	150	3.2	150	4.8
25-1"	80	40	23	2.1	160	5.1	160	4.2	160	5.9

* Additional weight for the TH21/2 - 0.15 kgs

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	12	15	20	21
TH21SS	15 - 25	70	120	140	255	330	385	455	510	600	670	700	720	750	775	795
TH21SSLC	15 - 25	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415
TH21/2SS	25	140	240	290	510	660	770	910	1020	1200	1340	1400	1440	1500	1550	1590

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostat).
Thermostats for 5° C type-H and 30° type-L, also available.
Capacities for cold condensate discharge at 20°C are two to three times greater.



5.04

THERMOSTATIC STEAMTRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

TH 32 Y TH 32Y CK

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
LC-low capacity
Integral check valve
Blowdown valve
- USE**
Saturated steam.
- SIZE**
TH32Y, TH32Y-CK (with check valve)
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI.
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. N r.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostatic element	Stainless steel
6	* Strainer screen	AISI304 / 1.4301
7	* Gasket	St.Steel / Graphite
8	Cover strainer	A 105 / 1.0432
9	Bolts	A2-70

* Available spare parts

FLOW RATE CAPACITY IN Kgs/h																
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	22
TH32Y	15 - 25	70	120	140	255	330	385	455	510	600	670	700	720	750	775	785
TH32YLC	15 - 25	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostal).
Thermostats for 5° C type-H and 30° type-L, also available.
Capacities for cold condensate discharge at 20°C are two to three times greater.

SIZE DN	DIMENSIONS (mm)										
	Screwed and SW*					EN PN16/PN40		ANSI 150		ANSI 300	
	A	B	C	D	WGT. Kgs	E	WGT. Kgs	F	WGT. Kgs	G	WGT. Kgs
15-1/2"	95	59	95	65	1,0	150	3,2	150	2,7	150	3,5
20-3/4"	95	59	95	65	1,6	150	3,9	150	3,1	150	4,7
25-1"	95	55	95	65	1,8	160	4,7	160	4,3	160	5,9

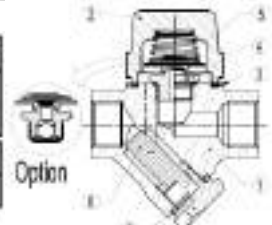
* BW (butt weld) on request.

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 22 bar
TMO - Max. operating temperature 250 °C

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

Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.



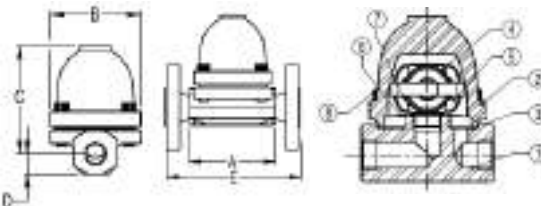
TH 35/2 TH 35/3

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN40

Ø1"
DN25

- OPTIONS**
Stainless steel construction.
- USE**
Saturated steam.
- MODELS**
TH35/2 - 2 capsules
TH35/3 - 2 capsules
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI.



MATERIALS		
POS. N r.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostate	Stainless steel
6	* Strainer screen	AISI304 / 1.4301
7	* Gasket	Copper
8	Bolts	Steel 8.8

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

SIZE DN	DIMENSIONS (mm)										
	Screwed and SW*					EN PN16/PN40		ANSI 150		ANSI 300	
	A	B	C	D	WT. Kgs	E	WT. Kgs	F	WT. Kgs	G	WT. Kgs
25-1"	95	95	103	20	2,8	160	5,4	160	5	160	6,6

* BW (butt weld) on request.

PMO - Max. operating pressure 22 bar
Tmo - Max. operating temperature 250°C

* According to EN1092-1:2007

**Acc. To EN1759-1:2004

Body limiting conditions PN40 or below, depending on the type of connection adopted.

Rating PN 40 for thread SW and BW

FLOW RATE CAPACITY IN Kgs/h																
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	22
TH35/2	25 - 1"	140	240	280	510	660	770	910	1020	1200	1340	1400	1440	1500	1550	1590
TH35/3	25 - 1"	210	360	420	765	990	1155	1365	1530	1800	2010	2100	2160	2250	2325	2385

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostal).

Thermostats for 5° C type-H and 30° type-L, also available. Capacities for cold condensate discharge at 20°C are two to three times greater.

5.05

THERMOSTATIC STEAMTRAPS



VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

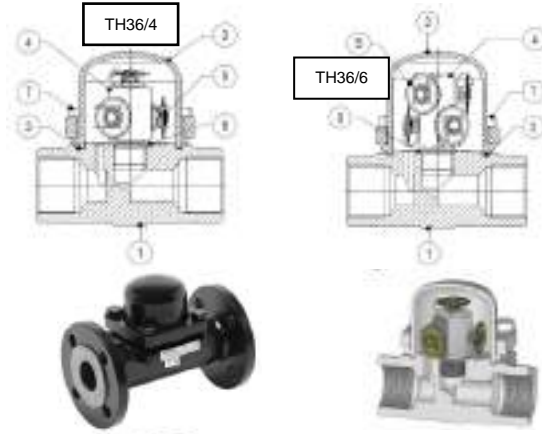
TH 36

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

PN25

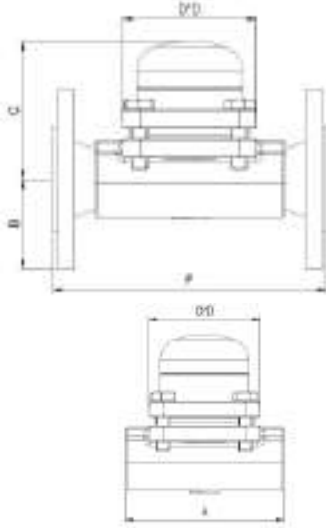
dal Ø11/2" al Ø2" dal DN40 al DN50

- OPTIONS**
Stainless steel construction
- USE**
Saturated steam.
- MODELS**
TH36/4 - 4 capsules
TH36/6 - 4 capsules
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 PN40 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Equiv. P250GH)
2	Cover	P265GH / 1.0425 S355 J2G3 / 1.0570
3	* Gasket	St. St./Graphite
4	* Valve seat	AISI304 / 1.4301
5	* Thermostats	Stainless steel
6	* Seat gasket	Copper
7	Bolts	Steel 8.8

* Available spare parts



CE MARKING (PED - European Directive)	
PN 40	Category
DN40-50	1 (CE Marked)

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

DIMENSIONS (mm)													
		BSP - MPT - SW - DN		DN 100 - PN40		ANSI 150		ANSI 300					
SIZE DN	A	C	D	WGT. Kgs	B	F	WGT. Kgs	B	F	WGT. Kgs			
1 1/2" - 40	150	125	112	4,5	75	230	3,3	64	230	3,2	75	230	11,2
2" - 50	200	125	112	5,8	80	200	10,2	70	230	8	80	230	11,6

PMO - Max. operating pressure 22 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	22
TH36/4	40 - 50	280	480	560	1020	1320	1540	1820	2040	2400	2680	2800	2880	3000	3100	3180
TH36/6	40 - 50	420	720	840	1530	1980	2310	2730	3060	3600	4020	4200	4320	4500	4650	4770

Capacities shown refer to condensate at 5°C below saturated steam temperature.
Capacities for cold condensate discharge at 20°C are two to three times greater.

TSS 22

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS

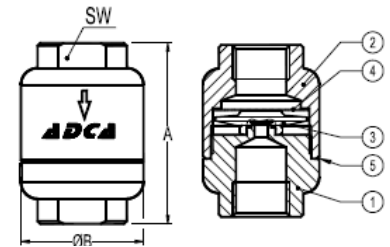
PN40

Ø 1/4", 3/8", 1/2", 3/4", 1"

- OPTIONS**
Welded body.
- USE**
Saturated steam.
- MODELS**
TSS22
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
- INSTALLATION**
Horizontal or vertical installation. See IMI installation and maintenance instructions.

BODY LIMITING CONDITIONS	
THREADED PN 40	RELATED TEMP.
ALLOW. PRES.	
34,4 bar	100 °C
30,8 bar	150 °C
28 bar	200 °C
26 bar	250 °C

PMO - Max. operating pressure 22 bar
TMO - Max. operating temperature 250 °C



DIMENSIONS (mm)				
SIZE DN	A	B	SW	WEIGHT Kgs
1/4"	65	44	27	0,5
3/8"	65	44	27	0,5
1/2"	65	44	27	0,45
3/4"	65	44	36	0,47
1"	65	44	40	0,4

MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	AISI304 / 1.4301
2	Cover	AISI304 / 1.4301
3	* Thermostatic element	Stainless steel
4	* Strainer screen	AISI304 / 1.4301
5	* Gasket	St. Steel/ Graphite

* Available spare parts



MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	22
TSS 22	1/4" - 1"	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostats).
Thermostats for 5° C type-H and 30° type-L, also available. Capacities for cold condensate discharge at 20°C are two to three times greater.

5.06

THERMOSTATIC STEAMTRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

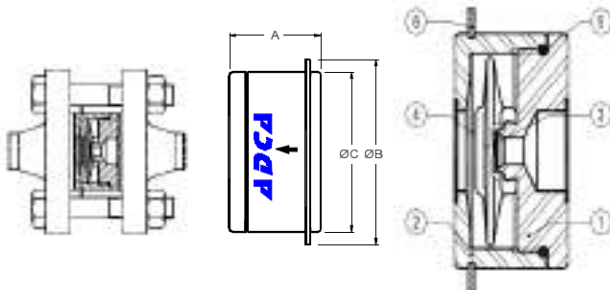
TSW 22

THERMOSTATIC STEAM TRAPS AND AIR ELIMINATORS
(Stainless Steel Wafer Design)

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- **USE**
Saturated steam.
- **MODELS**
TSW22
- **CONNECTIONS**
Sandwiched between flanges as per EN 1092-1 PN16/PN40
- **INSTALLATION**
Any position.



BODY LIMITING CONDITIONS	
WAFER PN 40	RELATED TEMP.
ALLOW. PRES.	
34,4 bar	100 °C
30,8 bar	150 °C
28 bar	200 °C
26 bar	250 °C

PMO - Max. operating pressure 22 bar
TMO - Max. operating temperature 250 °C

DIMENSIONS (mm)				
SIZE DN	A	B	C	WEIGHT Kgs
15	25	51	43	0,25
20*	31,5	61	53	0,45
25	35,5	71	64	0,75

*DN 20 is suitable for installation between flanges DN15 removing the centering ring.

MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	AISI304 / 1.4301
2	Cover	AISI304 / 1.4301
3	* Thermostatic element	Stainless steel
4	* Strainer screen	AISI304 / 1.4301
5	* Gasket	St. Steel / Graphite
6	Centering ring	AISI304 / 1.4301

* Available spare parts

FLOW RATE CAPACITY IN Kgs/h																
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,2	0,3	0,5	1	1,5	2	3	4	6	8	10	13	15	20	22
TSW 22	15 - 25	70	120	140	255	330	385	455	510	600	670	700	720	750	775	795

Capacities shown refer to condensate at 10°C below saturated steam temperature (standard type-S thermostal).
Thermostats for 5° C type-H and 30° type-L, also available. Capacities for cold condensate discharge at 20°C are two to three times greater.

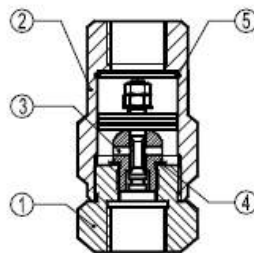
BSS 20

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- **OPTIONS**
EN1092-1 or ANSI flanged connections.
- **USE**
Saturated and superheated steam.
- **MODELS**
BSS20
- **CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
ANSI B1.20.1 (NPT)
- **INSTALLATION**
Horizontal or vertical installation.
See IMI installation and maintenance instructions.



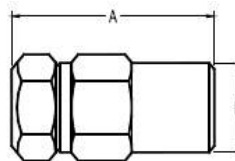
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	AISI 304 / 1.4301
2	Cover	AISI 304 / 1.4301
3	* Valve assy.	Special stainless st.
4	* Gasket	AISI 304 / 1.4301
5	* Strainer screen	AISI 304 / 1.4301

* Available spare parts

BODY LIMITING CONDITIONS	
THREADED PN 40	RELATED TEMP.
ALLOW. PRES.	
34,4 bar	100 °C
30,8 bar	150 °C
28 bar	200 °C
26 bar	250 °C

PMO - Max. operating pressure 20 bar
TMO - Max. operating temperature 250 °C

DIMENSIONS (mm)-Screwed				
SIZE DN	A	B	C	WGT. Kgs
1/2"	80	35	36	0,42



FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)												
		0,6	1	2	3	4	5	6	7	8	10	13	15	20
BSS20	15 A	45	65	100	130	155	170	195	205	220	245	255	270	330
BSS20	15 B	150	230	350	440	490	540	630	650	680	730	820	980	1120

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.

5.07

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

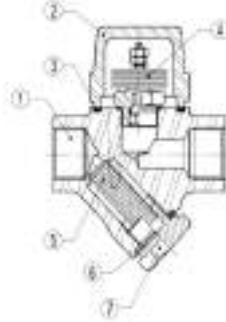
BM 20

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- **OPTIONS**
Blowdown valve
- **USE**
Saturated and superheated steam.
- **MODELS**
BM20
- **CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN1092-1 PN40 or ANSI
- **INSTALLATION**
Horizontal installation recommended,
can be installed in any position.
See IMI installation and maintenance
instructions.



MATERIALS		
POS. N r.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve assy.	Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	* Gasket	St. steel / Graphite
7	* Cover strainer	A 105 / 1.0432
8	Bolts	A2-70

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 17 bar
TMO - Max. operating temperature 250 °C

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

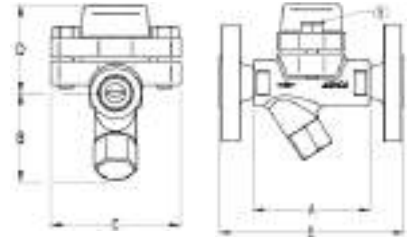
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

DIMENSIONS (mm)											
SIZE DN	Screwed and SW*					EN PN16/PN40		ANSI 150		ANSI 300	
	A	B	C	D	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs
15-1/2"	95	59	95	65	1,6	150	3,2	150	2,7	150	3,5
20-3/4"	95	59	95	65	1,6	150	3,9	150	3,1	150	4,7
25-1"	95	65	95	65	1,8	160	4,7	160	4,3	160	5,9

* BW (butt weld) on request.

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)										
		0,5	1	2	4	6	8	10	12	14	17	
BM20	15 - 25 A	125	200	320	410	445	485	500	540	580	600	
BM20	15 - 25 B	450	700	1000	1220	1340	1450	1560	1650	1780	1850	

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



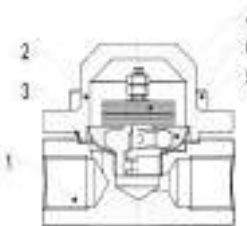
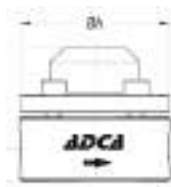
BM 20 SS

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- **USE**
Saturated and superheated steam.
- **MODELS**
BM20SS
- **CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN1092-1 PN40 or ANSI
- **INSTALLATION**
Horizontal installation recommended,
can be installed in any position.
See IMI installation and maintenance
instructions.

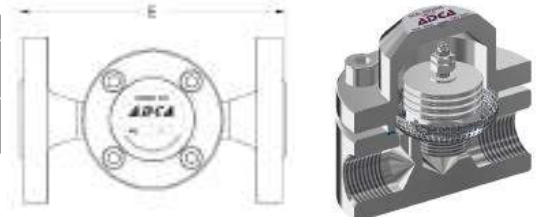


MATERIALS		
POS. N r.	DESIGNATION	MATERIAL
1	Body	AlSi316 / 1.4401
2	Cover	AlSi316 / 1.4401
3	* Gasket	St.St./Graphite
4	* Valve assy.	Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	Bolts	St. Steel A2-70

* Available spare parts

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)										
		0,5	1	2	4	6	8	10	12	14	17	
BM20SS	15 - 25 A	125	200	320	410	445	485	500	540	580	600	
BM20SS	15 - 25 B	450	700	1000	1220	1340	1450	1560	1650	1780	1850	

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	16,4 bar	50 °C
36,3 bar	14,8 bar	150 °C
33,7 bar	13,6 bar	200 °C
31,8 bar	12 bar	250 °C

PMO - Max. operating pressure 17 bar
TMO - Max. operating temperature 250 °C

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

Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

DIMENSIONS (mm)											
SIZE DN	Screwed and SW*					EN PN16/40		ANSI 150		ANSI 300	
	A	B	C	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	
15-1/2"	80	55	17	1,8	150	3,3	150	2,8	150	3,6	
20-3/4"	80	58	20	1,9	150	4,1	150	3,3	150	4,9	
25-1"	90	60	23	2,1	160	5,1	160	4,7	160	6,3	

* BW (butt weld) on request.

5.08

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

BM HC

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS
(High capacity)

PN16-40-63

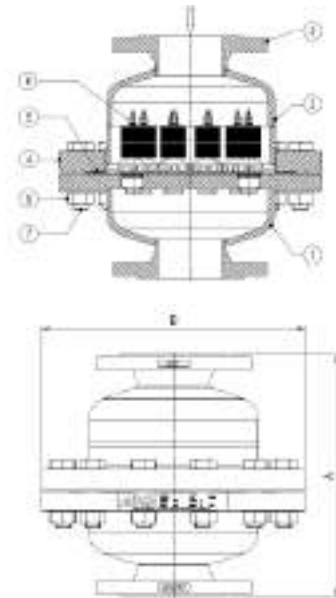
dal Ø11/2" al Ø5"
dal DN40 al DN125

- OPTIONS**
Complete stainless steel construction
- USE**
Different capacities and designs.
Saturated and superheated steam.
- MODELS**
BM24HC...; BM32HC...; BM35HC...etc.
- CONNECTIONS**
Flanged EN1092-1 PN40 or ANSI
- INSTALLATION**
Vertical installation.
PS - Operating pressure Up to 63 bar
TS - Operating temperature Up to 300 °C
Higher pressures and temperatures on request.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body cap	EN10028-2 P265GH 1.0425
2	Tube cover	EN10216-2 P235GH 1.0325
3	EN flanges	EN10222-2 P250GH 1.0460
3	ANSI flanges	ASTM A105 1.0432
4	Body flanges	EN10222-2 P250GH 1.0460
5	*Gasket	St. steel/Graphite
6	*Regulator	Bimetall
7	* Studs	Steel 8.8
8	Nuts	Steel 8.8

* Available spare parts



LIMITING CONDITIONS **											
Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C
PN16	16	50	ANSI Cl.150 lbs	16	50	PN40 ANSI CL.300lbs	40	50	PN63 ANSI CL.600lbs	63	50
	14	100		14	100		37	100		58	100
	13*	195		13*	195		31*	239		47*	261
	12	250		-	-		27	300		43	300

*PMO-Max.operating pressure for saturated steam. Minimum operating temp.: -10° C. Design code: AD-Merkblatt
** Rating according to EN1092:2007.

MODELS AND DIMENSIONS (mm)														
MODEL	* Max. Nr.Reg.	DN PN16	DN PN40	DN PN63	A	B	C	D	E	F	G	WEIGHT PN16**	WEIGHT PN40**	WEIGHT PN63**
BM35HC04-01	3	40 - 50	40 - 50	40 - 50	241	259	301	200	225	250	19.2	23	38.5	
BM35HC05-01	3	40 - 50	40 - 50	40 - 50	242	261	302	200	226	250	24.5	30	41.5	
BM35HC06-01	3	40 - 50	40 - 50	40 - 50	242	261	302	200	226	250	24.5	30	41.5	
BM35HC08-01	3	40 - 50	40 - 50	40 - 50	242	261	302	200	226	250	24.5	30	41.5	
BM35HC10-01	3	40 - 50	40 - 50	40 - 50	242	261	302	200	226	250	24.5	30	41.5	

CE MARKING - GROUP 2 GASES CATEGORIES								
RATING	MODEL *	CAT.	RATING	MODEL *	CAT.	RATING	MODEL *	CAT.
PN16	BM...HC04	SEP	PN40	BM...HC04	1	PN63	BM...HC04	1
	BM...HC05	SEP		BM...HC05	1		BM...HC05	1
	BM...HC06	SEP		BM...HC06	1		BM...HC06	1
	BM...HC08	1		BM...HC08	2		BM...HC08	2
	BM...HC10	2		BM...HC10	2		BM...HC10	2

* All sizes (DN's) belonging to the same model, have the same category.

BM 20 R

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS
(With external adjustable temperature control)

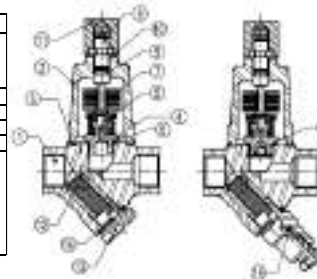
PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
Blowdown valve.
- USE**
Saturated and superheated steam.
- MODELS**
BM20R
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN1092-1 PN40 or ANSI
- INSTALLATION**
Horizontal installation recommended, can be installed in any position.
See IMI installation and maintenance instructions.

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19.3 bar	50 °C
35 bar	15.8 bar	150 °C
30.4 bar	12.1 bar	250 °C
27.6 bar	10.2 bar	300 °C

PMO - Max. operating pressure 17 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Seat	Hardened St.Steel
5	* Plug	Hardened St.Steel
6	* Seat gasket	Copper
7	* Regulator	Bimetall
8	Adjusting screw	AlSi 304 / 1.4301
9	Seal ring	Viton
10	* Gasket	Copper
11	Cap nut	AlSi 304 / 1.4301
12	* Strainer screen	AlSi 304 / 1.4301
13	Cover strainer	A 105 / 1.0432
14	* Gasket	St.St./Graphite
15	Bolts	A2-70
16	* Blow down valve	AlSi304 (See IS 1.1150)
17	Ball check valve	AlSi 440C / 1.4125

* Available spare parts

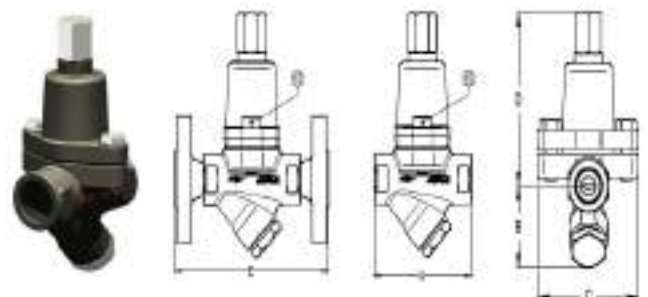
DIMENSIONS (mm)											
Screwed and SW *					EN PN16/40		ANSI 150		ANSI 300		
SIZE DN	A	B	C	D	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs
15-1/2"	95	59	95	125	2.3	150	3.9	150	3.4	150	4.2
20-3/4"	95	59	95	125	2.3	150	4.7	150	3.9	150	5.5
25-1"	95	65	95	125	2.5	160	5.1	160	4.7	160	6.3

* BW (butt w el) on request.

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE DN	* TEMP. °C	DIFFERENTIAL PRESSURE (bar)									
			0,5	1	2	4	6	8	10	12	14	17
BM 20 R	15 - 25	10 **	125	200	320	410	445	485	500	540	580	600
BM 20 R	15 - 25	20	200	300	440	550	580	600	620	670	700	720
BM 20 R	15 - 25	40	380	500	700	970	990	1010	1050	1100	1130	1180
BM 20 R	15 - 25	COLD	530	700	1230	1210	1320	1440	1650	1730	1780	1840

* Condensate discharge temperature below saturation temperature.

** Standard factory setting



5.09

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

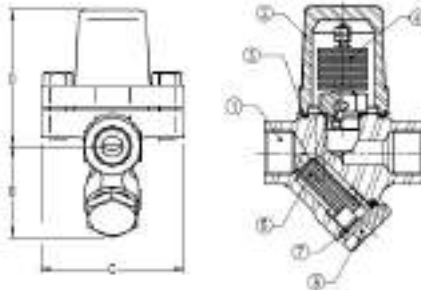
BM 24

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

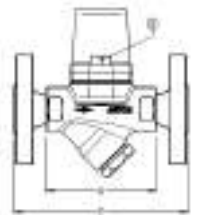
dal Ø1/2" al Ø1"
dal DN15 al DN25

- **OPTIONS**
Blowdown valves.
- **USE**
Saturated and superheated steam.
- **MODELS**
BM24
- **CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN1092-1 PN40 or ANSI
- **INSTALLATION**
Horizontal installation recommended,
can be installed in any position.
See IMI installation and maintenance
instructions.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve assy.	Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	* Cover strainer	A 105 / 1.0432
7	* Gasket	Stainless st./Graphite
8	Bolts	A2-70

* Available spare parts



BODY LIMITING CONDITIONS

FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 24 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of
connection adopted. Rating PN40 for thread, SW and BW.

SIZE DN	DIMENSIONS (mm)											
	Screwed and SW *				EN PN16/40		ANSI 150		ANSI 300			
	A	B	C	D	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	
15-1/2"	95	59	95	90	2,1	150	3,7	150	3,2	150	4	
20-3/4"	95	59	95	90	2,1	150	4,5	150	3,7	150	5,3	
25-1"	95	65	95	90	2,1	160	4,9	160	4,5	160	6,1	

* BW (butt weld) on request.

FLOW RATE CAPACITY IN Kgs/h

MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)													
		0,5	1	2	4	6	8	10	12	14	16	18	20	22	24
BM24	15 - 25 A	225	350	490	650	720	795	820	850	880	900	905	910	915	925
BM24	15 - 25 B	550	800	1100	1500	1750	1825	2000	2100	2175	2235	2390	2490	2585	2680

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.

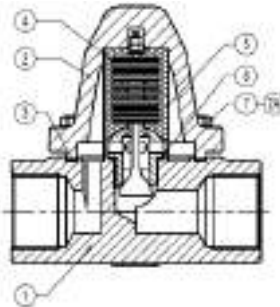
BM 24

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1 1/2" al Ø2"
dal DN40 al DN50

- **USE**
Saturated and superheated steam.
- **MODELS**
BM24
- **CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 PN40 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- **INSTALLATION**
Horizontal installation
See IMI installation and
maintenance instructions.



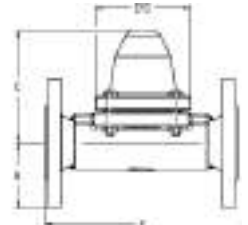
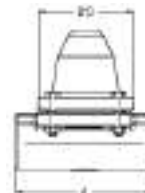
MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Equiv.P250GH)
2	Cover	ASTM A105 / 1.0432 (Equiv.P250GH)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel / Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	* Seat gasket	Copper
7	Studs	ASTM A193 Gr.B7
7A	Nuts	ASTM A194 Gr.2H

* Available spare parts

BODY LIMITING CONDITIONS

FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 24 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of
connection adopted. Rating PN40 for thread, SW and BW.



SIZE DN	DIMENSIONS (mm)													
	BW		BSP - NPT - SW			EN 1092-1 PN40			ANSI 150			ANSI 300		
	A	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs
11/2" - 40	160	160	132	115	7,2	75	230	11,9	64	230	10,6	78	230	12,9
2" - 50	160	230	132	115	9,3	83	230	14,9	76	230	14,5	83	230	16,1

* Note: different face to face dimensions on request.

CE MARKING (PED - European Directive 97/23/EC)		
ANSI 150#	PN 40 ANSI 300#	Category
/	DN40 - DN60	1 (CE Marked)
DN11/2" - 2"	/	SEP

FLOW RATE CAPACITY IN Kgs/h

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)											
		0,5	1	2	4	6	8	10	12	16	18	20	24
BM 24	40 - 50 A	700	900	1200	1450	1600	1700	1780	1880	1900	1950	2020	2100
BM 24	40 - 50 B	1900	2400	3500	4900	5500	6050	7000	7200	7800	8400	8800	9000

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



5.10

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

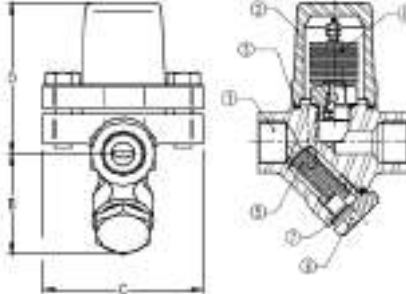
BM 32

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
Blowdown valves.
- USE**
Saturated and superheated steam.
- MODELS**
BM32
- CONNECTIONS**
Female screwed ISO 7/1 Rp (BS21)
Flanged EN1092-1 PN40 or ANSI
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve assy.	Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	* Cover strainer	A 105 / 1.0432
7	* Gasket	Stainless st./Graphite
8	Bolts	A2-70

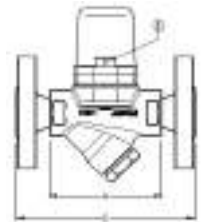
* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 300 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

SIZE DN	DIMENSIONS (mm)											
	Screwed and SW *						EN PN16/40		ANSI 150		ANSI 300	
	A	B	C	D	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	E	WGT. Kgs	
15-1/2"	95	59	95	90	2,1	150	3,7	150	3,2	150	4	
20-3/4"	95	59	95	90	2,1	150	4,5	150	3,7	150	5,3	
25-1"	95	65	95	90	2,1	160	4,9	160	4,5	160	6,1	

* BW (butt weld) on request.



FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	2	4	6	10	12	14	16	18	20	25	32
BM32	15 - 25 A	200	300	390	430	510	580	600	620	660	680	700	740	810
BM32	15 - 25 B	700	1000	1300	1530	1750	2050	2150	2250	2360	2480	2550	2750	2900

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.

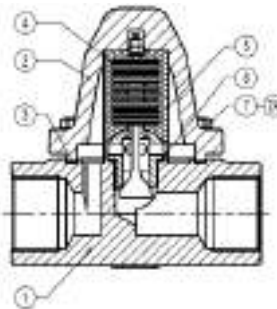
BM 32

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN40

dal Ø 1 1/2" al Ø2"
dal DN40 al DN50

- USE**
Saturated and superheated steam.
- MODELS**
BM32
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 PN40 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation
See IMI installation and maintenance instructions.

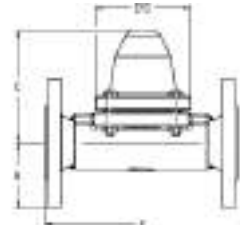
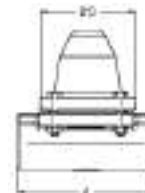


MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Equiv.P250GH)
2	Cover	ASTM A105 / 1.0432 (Equiv.P250GH)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel / Bimetal
5	* Strainer screen	AlSi304 / 1.4301
6	* Seat gasket	Copper
7	Shuds	ASTM A193 Gr.B7
7A	Nuts	ASTM A194 Gr.2H

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 300 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.



SIZE DN	DIMENSIONS (mm)													
	BW		BSP - NPT - SW				EN 1092-1 PN40				ANSI 150		ANSI 300	
	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	
1 1/2" - 40	160	160	132	115	7,2	75	230	11,9	64	230	10,6	78	230	12,9
2" - 50	160	230	132	115	9,3	83	230	14,9	76	230	14,5	83	230	16,1

* Note: different face to face dimensions on request.

CE MARKING (PED - European Directive 97/23/EC)		
ANSI 150#	PN 40 ANSI 300#	Category
/	DN40 - DN60	1 (CE Marked)
DN1 1/2" - 2"	/	SEP

FLOW RATE CAPACITY IN Kgs/h													
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)											
		2	4	6	8	10	12	16	18	20	24	28	32
BM 32	40 - 50 A	450	490	550	640	700	730	850	920	980	1050	1100	1150
BM 32	40 - 50 B	1400	1500	1700	1950	2200	2200	2600	2800	2950	3150	3300	3500

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



5.11

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

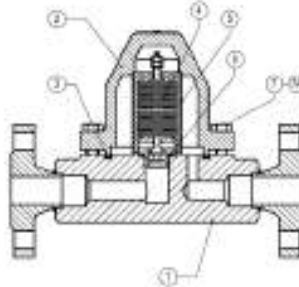
BM 35

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN63

dal Ø1/2" al Ø1"
dal DN15 al DN25

- USE**
Saturated and superheated steam.
- MODELS**
BM35
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Spec P250GH)
2	Cover	ASTM A105 / 1.0432 (Spec P250GH)
3	* Gasket	St.31/Graphite
4	* Valve assembly	Hardened St Steel
5	* Strainer screen	AISI304 / 1.4301
6	* Seal gasket	AISI304 / 1.4301
7	Studs	ASTM A193 Gr B7
TA	Nuts	ASTM A194 Gr 2H

* Available spare parts

BODY LIMITING CONDITIONS			
FLANGED PN40 *	FLANGED ANSI 300 **	FLANGED PN63/100/ANSI 600*	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	
40 bar	50 bar	63 bar	50 °C
30,4 bar	41,8 bar	48 bar	250 °C
27,6 bar	38,9 bar	43,5 bar	300 °C
18,5 bar	28,7 bar	29,1 bar	425 °C

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

Operating pressure : 2 to 35 bar

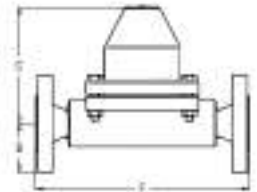
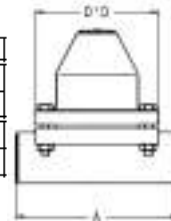
Body limiting conditions PN63 or below, depending on the type of connection adopted. Rating PN63 for thread, SW and BW.

DIMENSIONS (mm)																
BSP - NPT - SW - BW				EN 1092-1PN40			ANSI 300			EN 1092-1 PN63 / PN100		ANSI 600				
SIZE DN	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs			
15-1/2"	160	120	115	6,3	47,5	230	7,9	47,5	230	8,2	52,5	230	8,8	47,5	230	8,2
20-3/4"	160	120	115	6,3	52,5	230	8,5	59	230	9,4	65	230	11,1	59	230	9,4
25-1"	160	120	115	6,3	57,5	230	9,1	62	230	10,2	70	230	11,8	62	230	10,2

* Note: different face to face dimensions on request.

FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)												
		2	4	6	8	10	12	16	18	20	24	26	32	35
BM 35	15 - 25 A	550	780	880	900	920	935	950	980	1000	1030	1080	1130	1160
BM 35	15 - 25 B	1500	1700	2000	2200	2500	2700	2990	3150	3400	3750	3880	4030	4200

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



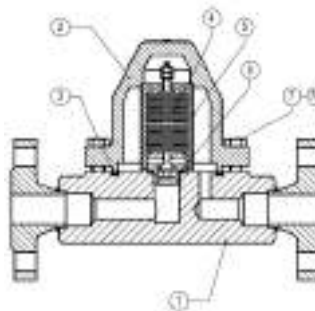
BM 45

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN63

dal Ø1/2" al Ø1"
dal DN15 al DN25

- USE**
Saturated and superheated steam.
- MODELS**
BM45
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	ASTM A105 / 1.0432 (Spec P250GH)
2	Cover	ASTM A105 / 1.0432 (Spec P250GH)
3	* Gasket	St.31/Graphite
4	* Valve assembly	Hardened St Steel
5	* Strainer screen	AISI304 / 1.4301
6	* Seal gasket	AISI304 / 1.4301
7	Studs	ASTM A193 Gr B7
TA	Nuts	ASTM A194 Gr 2H

* Available spare parts

BODY LIMITING CONDITIONS			
FLANGED ANSI 300 **	FLANGED PN63/100/ANSI 600*	RELATED TEMP.	
ALLOW. PRES.	ALLOW. PRES.		
50 bar	63 bar	50 °C	
41,8 bar	48 bar	250 °C	
38,9 bar	43,5 bar	300 °C	
28,7 bar	29,1 bar	425 °C	

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

Operating pressure : 15 to 45 bar

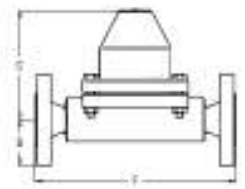
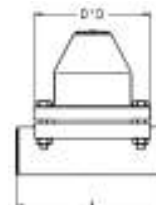
Body limiting conditions PN63 or below, depending on the type of connection adopted. Rating PN63 for thread, SW and BW.

DIMENSIONS (mm)													
BSP - NPT - SW - BW				EN 1092-1 PN63 / PN100			ANSI 300			ANSI 600			
SIZE DN	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs
15-1/2"	160	120	115	6,3	52,5	230	8,8	47,5	230	9,1	47,5	230	8,2
20-3/4"	160	120	115	6,3	65	230	11,1	58,5	230	11,9	59	230	9,4
25-1"	160	120	115	6,3	70	230	11,8	62	230	13	62	230	10,2

* Note: different face to face dimensions on request.

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)										
		15	17	20	22	25	28	30	40	42	45	
BM 45	15 - 25 A	400	430	460	480	500	530	550	580	585	590	
BM 45	15 - 25 B	2400	2600	2760	2800	3000	3100	3200	4000	4100	4200	

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



5.12

BIMETALLIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

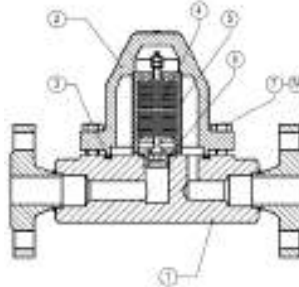
BM 80

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN100

dal Ø1/2" al Ø1"
dal DN15 al DN25

- USE**
Saturated and superheated steam.
- MODELS**
BM80
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A182F22 / 1.7380 (Equiv. 10CrMo910)
2	Cover	ASTM A182F22 / 1.7380 (Equiv. 10CrMo910)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel
5	* Strainer screen	AISI304 / 1.4301
6	* Seat gasket	AISI304 / 1.4301
7	Studs	ASTM A193 Gr. B7
7A	Nuts	ASTM A194 Gr.2H

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN100 *	FLANGED ANSI 600 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
100 bar	100 bar	50 °C
100 bar	92,7 bar	250 °C
95 bar	80,4 bar	350 °C
85 bar	67,7 bar	450 °C

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

Operating pressure : 25 to 80 bar

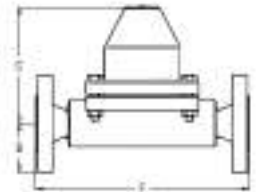
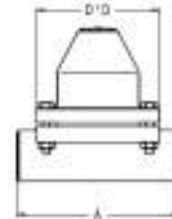
Body limiting conditions PN100 or below, depending on the type of connection adopted. Rating PN100 for threads, SW and BW.

DIMENSIONS (mm)										
SIZE DN	BSP - NPT - SW - BW				EN1092-1 PN100			ANSI 600		
	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs
15-1/2"	160	120	115	6,3	52,5	230	8,8	47,5	230	9,2
20-3/4"	160	120	115	6,3	65	230	11,1	59	230	9,4
25-1"	160	120	115	6,3	70	230	11,8	62	230	10,2

* Note: different face to face dimensions on request.

FLOW RATE CAPACITY IN Kgs/h											
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)									
		25	30	35	40	45	50	55	60	70	80
BM 80	15 - 25 A	500	550	570	580	590	600	610	620	630	650
BM 80	15 - 25 B	3000	3200	3600	4000	4200	4700	5000	5400	6000	6200

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



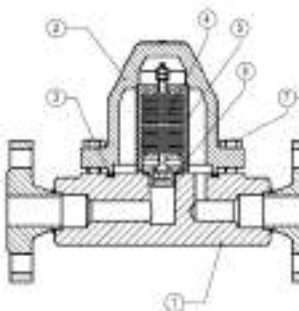
BM 140

BIMETALLIC STEAM TRAPS AND AIR ELIMINATORS

PN160

dal Ø1/2" al Ø1"
dal DN15 al DN25

- USE**
Saturated and superheated steam.
- MODELS**
BM180
- CONNECTIONS**
Female screwed BSP or NPT
Flanged EN 1092-1 or ANSI
SW - Socket weld to ANSI B 16.11
BW - Butt weld to ANSI B16.25
- INSTALLATION**
Horizontal installation recommended, can be installed in any position. See IMI installation and maintenance instructions.



MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Body	ASTM A182F22 / 1.7380 (Equiv. 10CrMo910)
2	Cover	ASTM A182F22 / 1.7380 (Equiv. 10CrMo910)
3	* Gasket	St.St./Graphite
4	* Valve assembly	Hardened St.Steel
5	* Strainer screen	AISI304 / 1.4301
6	* Seat gasket	AISI304 / 1.4301
7	Studs	ASTM A193 B16
7A	Nuts	ASTM A194 Gr.4

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN160 *	FLANGED ANSI 900 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
160 bar	128,6 bar	300 °C
156 bar	120,7 bar	350 °C
141 bar	101,4 bar	450 °C
52 bar	46 bar	550 °C

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

Operating pressure : 25 to 140 bar

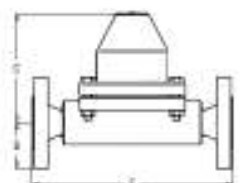
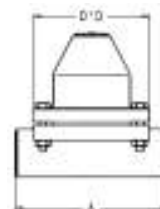
Body limiting conditions PN160 or below, depending on the type of connection adopted. Rating PN160 for thread, SW and BW.

DIMENSIONS (mm)										
SIZE DN	BSP - NPT - SW - BW				EN1092-1 PN160			ANSI 900		
	A	C	D	WGT. Kgs	B	F*	WGT. Kgs	B	F*	WGT. Kgs
15-1/2"	160	120	115	6,3	52,5	230	8,8	60	230	10,2
20-3/4"	160	120	115	6,3	65	230	11,1	65	230	11,6
25-1"	160	120	115	6,3	70	230	11,8	75	230	14

* Note: different face to face dimensions on request.

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE DN	DIFFERENTIAL PRESSURE (bar)										
		25	30	35	40	45	50	60	80	120	140	
BM 140	15 - 25 A	500	550	570	580	590	600	620	630	640	650	
BM 140	15 - 25 B	3000	3200	3600	4000	4200	4700	5400	6200	7800	8500	

A = Condensate discharge at 10°C below saturation temperature. B = Cold water capacity at about 20°C.



5.13

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

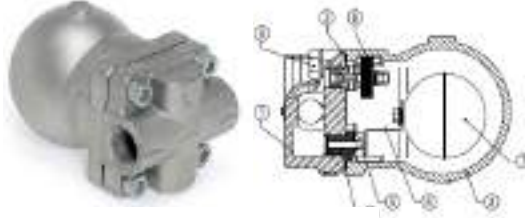
FLT 14 I

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø1/2" al Ø3/4"
dal DN15 al DN20

- OPTIONS**
SLR – steam lock release Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT14I -4.5 (press. esercizio 4.5bar)
FLT14I -10 (press. esercizio 10bar)
FLT14I-14 (press. esercizio 14bar)
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT14I (R-L)



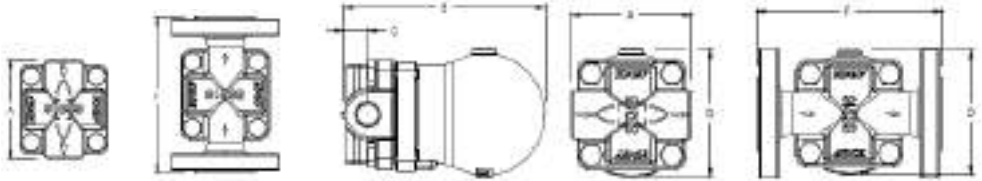
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)

MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408
2	Cover	CF8M / 1.4408
3	*Gasket	Stainless st./Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	St. Steel A2-70

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	16 bar	100 °C
14.5 bar	14.8 bar	150 °C
13.4 bar	13.6 bar	200 °C
12.7 bar	12 bar	250 °C

PVO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



MODEL	SIZE DN	FLOW RATE CAPACITY IN Kgs/h													
		DIFFERENTIAL PRESSURE (bar)													
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14	
FLT14I-4,5	15-20	200	280	320	360	400	495								
FLT14I-10	15-20	110	140	175	190	230	280	300	330	350	390	405			
FLT14I-14	15-20	70	100	120	140	155	190	210	220	225	230	260	280	300	

SIZE DN	DIMENSIONS (mm)									
	Screwed					EN PN16		ANSI 150		
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs	
15-1/2"	95	160	23	100	3,5	150	5	150	4,5	
20-3/4"	95	160	23	100	3,5	150	5,5	150	4,7	

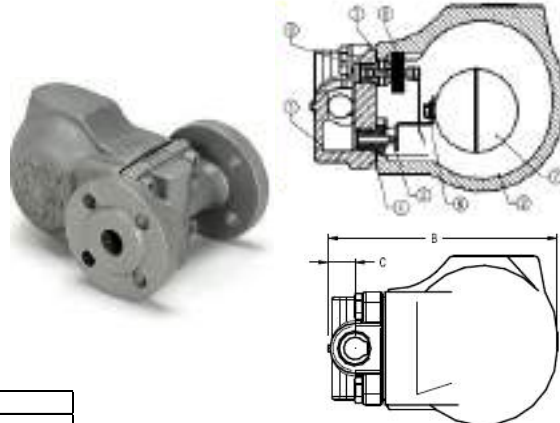
FLT 14 I

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

Ø1"
DN25

- OPTIONS**
SLR – steam lock release Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT14I -4.5 (press. esercizio 4.5bar)
FLT14I -10 (press. esercizio 10bar)
FLT14I-14 (press. esercizio 14bar)
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT14I (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)



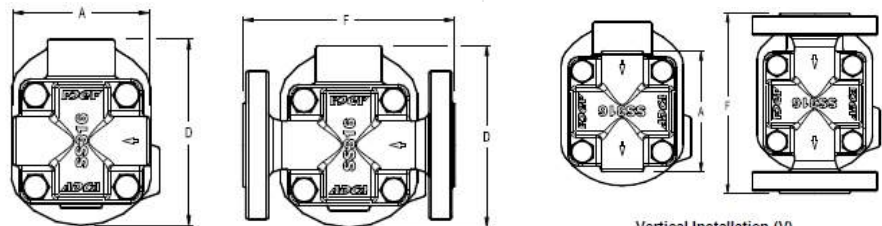
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408
2	Cover	CF8M / 1.4408
3	*Gasket	Stainless st./Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	St. Steel A2-70

* Available spare parts

SIZE DN	DIMENSIONS (mm)									
	Screwed					EN PN16		ANSI 150		
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs	
25-1"	95	178	23	128	5,2	160	7,7	160	7,3	

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	16 bar	100 °C
14.5 bar	14.8 bar	150 °C
13.4 bar	13.6 bar	200 °C
12.7 bar	12 bar	250 °C

PVO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



Vertical Installation (V)

MODEL	SIZE DN	FLOW RATE CAPACITY IN Kgs/h												
		DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14
FLT14I-4,5	1"- 25	230	330	400	440	535	630							
FLT14I-10	1"- 25	150	200	250	280	340	400	460	495	520	550	595		
FLT14I-14	1"- 25	120	150	190	220	260	320	380	400	425	440	480	510	550

5.14

FLOAT AND THERMOSTATIC STEAM TRAPS



VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

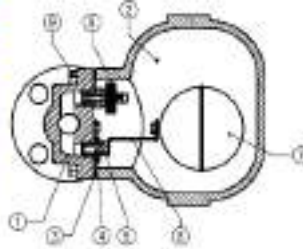
FLT14 I HC

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

Ø1"
DN25

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT14I-4,5 , 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From left to right FLT14I (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)



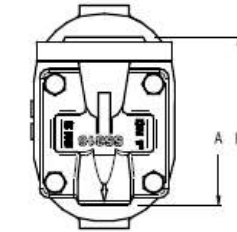
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408
2	Cover	CF8M / 1.4408
3	*Gasket	Stainless st./Graphite
4	*Seat	AISI 410 / 1.4008
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	St Steel A2-70

*Available spare parts.

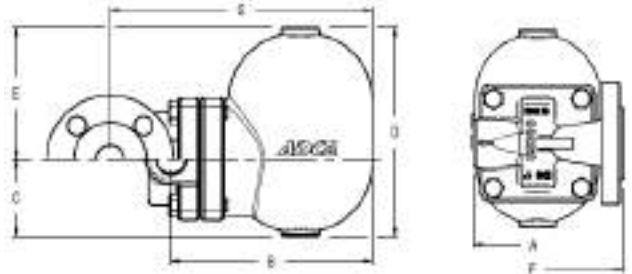
MAX. DIFFERENTIAL PRESSURE
FLT14I-4,5 : 4,5 bar FLT14I-10 : 10 bar FLT14I-14: 14 bar

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	16 bar	100 °C
14,5 bar	14,8 bar	150 °C
13,4 bar	13,6 bar	200 °C
12,7 bar	12 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



Vertical Installation (V)



MODEL		FLOW RATE CAPACITY IN Kgs/h													
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)													
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14	
FLT14I-4,5	1"-25HC	900	1250	1450	1700	2010	2400								
FLT14I-10	1"-25HC	450	620	790	880	1100	1250	1500	1600	1700	1750	1800			
FLT14I-14	1"-25HC	340	435	530	600	610	850	990	1100	1190	1240	1300	1350	1380	

DIMENSIONS (mm)												
Screwed						EN PN16			ANSI 150			
SIZE DN	A	B	C	D	E	WGT. Kgs	F	G	WGT. Kgs	F	G	WGT. Kgs
25-1"	120	195	80	190	110	9	180	248	11,3	180	248	10,9

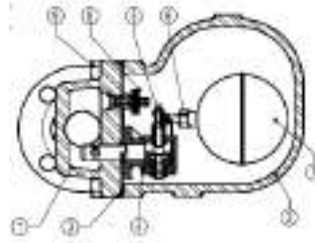
FLT14 I

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø1 1/2" al Ø2"
dal DN40 al DN50

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT14I-4,5 , 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT14I (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)



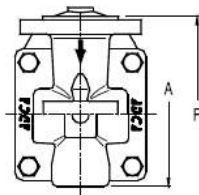
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408
2	Cover	CF8M / 1.4408
3	*Gasket	Stainless st./Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI 420 / 1.4021
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	St.Steel A2-70

*Available spare parts.

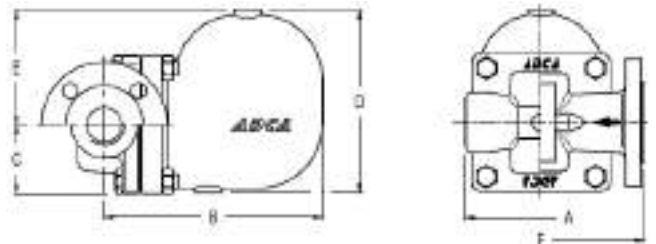
MAX. DIFFERENTIAL PRESSURE
FLT14I-4,5 : 4,5 bar FLT14I-10 : 10 bar FLT14I-14: 14 bar

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	16 bar	100 °C
14,5 bar	14,8 bar	150 °C
13,4 bar	13,6 bar	200 °C
12,7 bar	12 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



Vertical Installation (V)



MODEL		FLOW RATE CAPACITY IN Kgs/h										
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		0,5	1	1,5	2	4,5	7	10	12	14		
FLT14I-4,5	40-50	2400	3400	3900	4500	7300						
FLT14I-10	40-50	1500	2000	2600	3000	4000	5400	6200				
FLT14I-14	40-50	950	1300	1600	1800	2600	3250	3900	4210	4950		

DIMENSIONS (mm)												
Screwed						EN PN16			ANSI 150			
SIZE DN	A	B	C	D	E	WGT. Kgs	F	B	WGT. Kgs	F	B	WGT. Kgs
40-1 1/2"	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1
50-2"	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5

5.15

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

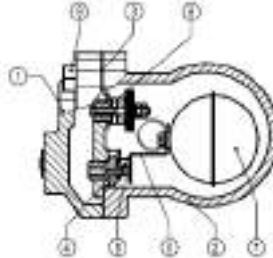
FLT 16

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø 1/2" al Ø1"
dal DN15 al DN25

- OPTIONS**
SLR - steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT16-4,5, 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation -
From right to left FLT16 (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)



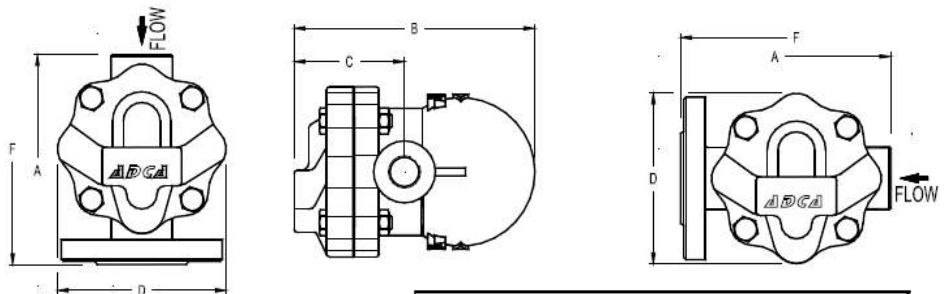
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 410 / 1.4006
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

*Available spare parts.

MAX. DIFFERENTIAL PRESSURE
FLT16-4,5 : 4,5 bar FLT16-10 : 10 bar FLT16-14 : 14 bar

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h												
		DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14
FLT16-4,5	15-20	200	280	320	360	400	495							
FLT16-10	15-20	110	140	175	190	230	280	300	330	350	390	405		
FLT16-14	15-20	70	100	120	140	155	190	210	220	225	230	260	280	300

SIZE DN	DIMENSIONS (mm)								
	Screwed				EN PN16		ANSI 150		
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs
15-1/2"	122	150	68	108	3,5	150	4,4	150	3,9
20-3/4"	122	150	68	108	3,5	150	4,9	150	4,1

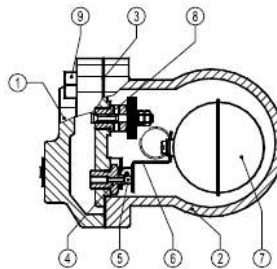
FLT 17 LC

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø 1/2" al Ø3/4"
dal DN15 al DN20

- OPTIONS**
SLR - steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT17LC-4,5, 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation -
From right to left FLT17LC (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)



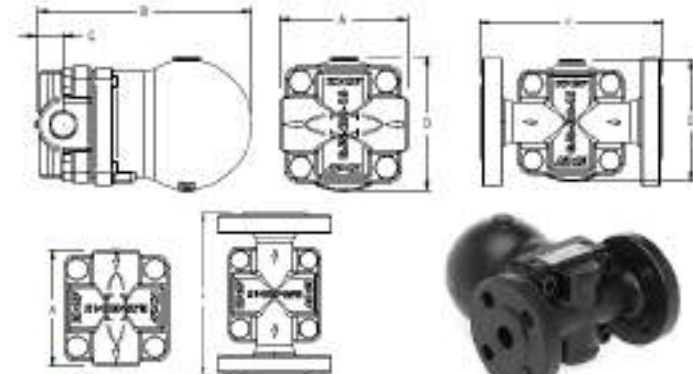
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 410 / 1.4006
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

*Available spare parts.

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.

MAX. DIFFERENTIAL PRESSURE
FLT17LC-4,5 : 4,5 bar FLT17LC-10 : 10 bar FLT17LC-14 : 14 bar



Vertical installation (V)

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h															
		DIFFERENTIAL PRESSURE (bar)															
		0,1	0,3	0,5	0,7	1	1,5	2	3	4,5	6	7	8	9	10	12	14
FLT17LC-4,5	15-20	120	180	200	240	280	320	360	400	495							
FLT17LC-10	15-20	55	90	110	130	140	175	190	230	280	300	330	350	390	405		
FLT17LC-14	15-20	40	60	70	90	100	120	140	155	190	210	220	225	230	260	280	300

SIZE DN	DIMENSIONS (mm)								
	Screwed				EN PN16		ANSI 150		
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs
15-1/2"	95	160	23	100	3,5	150	5	150	4,5
20-3/4"	95	160	23	100	3,5	150	5,5	150	4,7

5.16

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

FLT 17

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø 1/2" al Ø1"
dal DN15 al DN25

OPTIONS

- SLR – steam lock release
- Equalizing plug or vent connection
- Internal strainer

USE

- Saturated and superheated steam.

MODELS

- FLT17-4,5 , 10 and 14

CONNECTIONS

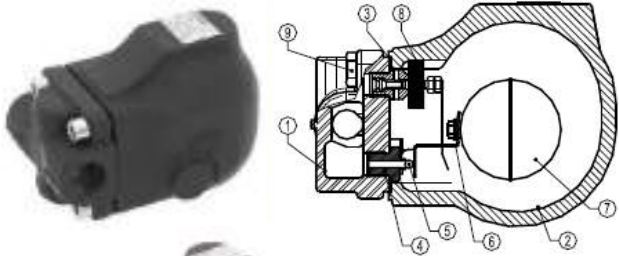
- Female screwed ISO7/1 Rp (BS21)
- Flanged EN 1092-1/2 PN16 or ANSI

INSTALLATION

- Standard horizontal installation –
- From right to left FLT17 (R-L)

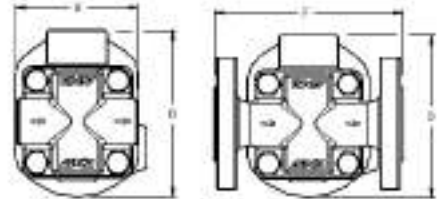
UPON REQUEST

- horizontal installation with the flow from left to right (L-R)
- vertical installation with the flow from top to bottom (V)



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

*Available spare parts.



BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar

TMO - Max. operating temperature 198 °C

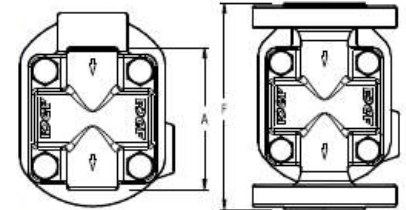
* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004

Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.

MAX. DIFFERENTIAL PRESSURE

FLT17-4,5 : 4,5 bar FLT17-10 : 10 bar FLT17-14: 14 bar

SIZE DN	DIMENSIONS (mm)						
	Screwed			EN PN16		ANSI 150	
	A	B	C	D	F	G	
15-1/2"	95	178	23	128	5,2	160	6,7
20-3/4"	95	178	23	128	5,2	160	7,2
25-1"	95	178	23	128	5,2	160	7,7



Vertical Installation (V)

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h																
		DIFFERENTIAL PRESSURE (bar)																
		0,1	0,3	0,5	0,7	1	1,5	2	3	4,5	6	7	8	9	10	12	14	
FLT17-4,5	15 - 25	165	205	230	280	330	400	440	535	630								
FLT17-10	15 - 25	110	130	150	170	200	250	280	340	400	460	495	520	550	595			
FLT17-14	15 - 25	80	100	120	140	150	190	220	260	320	360	400	425	440	480	510	550	

FLT 17 HC

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

Ø1"
DN25

OPTIONS

- SLR – steam lock release
- Equalizing plug or vent connection
- Internal strainer

USE

- Saturated and superheated steam.

MODELS

- FLT17-4,5 , 10 and 14

CONNECTIONS

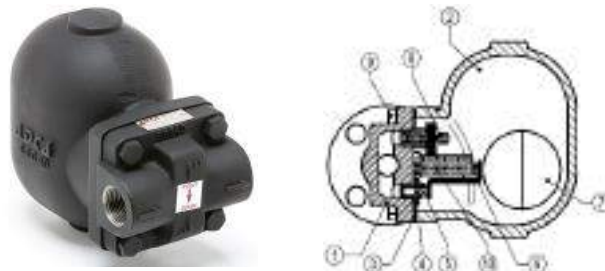
- Female screwed ISO7/1 Rp (BS21)
- Flanged EN 1092-2 PN16 or ANSI

INSTALLATION

- Standard horizontal installation –
- From right to left FLT17 (R-L)

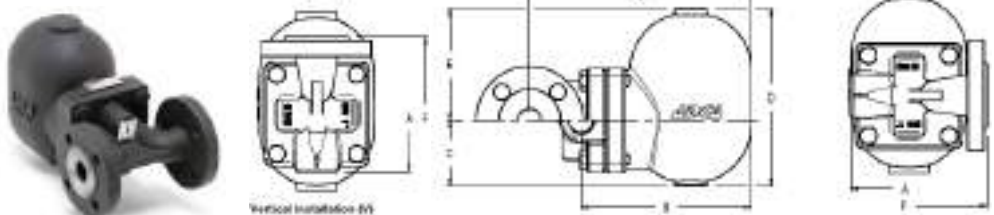
UPON REQUEST

- horizontal installation with the flow from left to right (L-R)
- vertical installation with the flow from top to bottom (V)



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8
10	**Strainer	AISI 304 / 1.4301

*Available spare parts ; ** Optional



Vertical Installation (V)

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar

TMO - Max. operating temperature 198 °C

* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004

Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.

MAX. DIFFERENTIAL PRESSURE

FLT17HC-4,5 : 4,5 bar FLT17HC-10 : 10 bar

FLT17HC-14: 14 bar

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h																
		DIFFERENTIAL PRESSURE (bar)																
		0,1	0,3	0,5	0,7	1	1,5	2	3	4,5	6	7	8	9	10	12	14	
FLT17-4,5	1"-25HC	420	690	900	1070	1250	1450	1700	2010	2400								
FLT17-10	1"-25HC	360	405	450	530	620	790	880	1100	1250	1500	1600	1700	1750	1800			
FLT17-14	1"-25HC	270	310	340	395	435	530	600	610	650	990	1100	1190	1240	1300	1350	1380	

SIZE DN	DIMENSIONS (mm)						EN PN16		ANSI 150			
	A	B	C	D	E	F	G	F	G			
25-1"	120	195	80	190	110	9	160	248	11,3	160	248	10,9

On request can be supplied an alternative version DN 32 - 11/4" with different lengths: A = 190 and F = 230 mm

5.17

FLOAT AND THERMOSTATIC STEAM TRAPS



VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

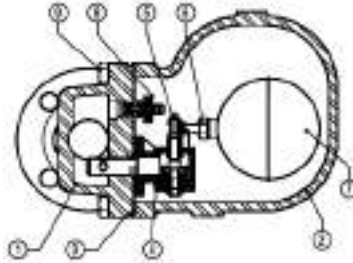
FLT 17

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

dal Ø 1 1/2" al Ø2"
dal DN40 al DN50

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT17-4,5 , 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-2 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT17 (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)

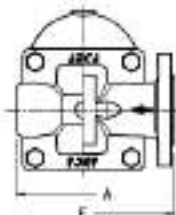
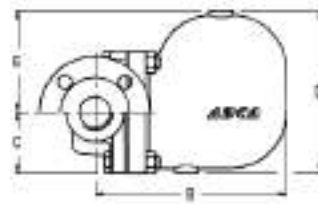
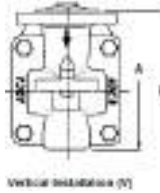


MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI 420 / 1.4021
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

*Available spare parts.

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



MAX. DIFFERENTIAL PRESSURE
FLT17-4,5 : 4,5 bar FLT17-10 : 10 bar FLT17-14: 14 bar

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,1	0,3	0,5	0,7	1	1,5	2	4,5	7	10	12	14			
FLT17-4,5	40-50	1050	1750	2400	2700	3400	3900	4500	7300							
FLT17-10	40-50	850	1100	1500	1700	2000	2600	3000	4000	5400	6200					
FLT17-14	40-50	430	720	950	1100	1300	1600	1800	2600	3250	3900	4210	4950			

SIZE DN	Screwed						EN PN16			ANSI 150		
	A	B	C	D	E	WGT. Kgs	F	B	WGT. Kgs	F	B	WGT. Kgs
	40-11/2"	210	248	79	208	131	16,9	230	248	20,3	230	248
50-2"	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5

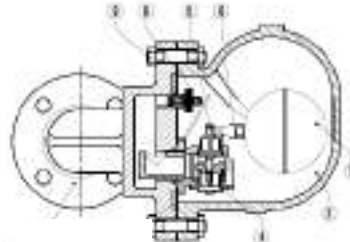
FLT 17 HC

FLOAT AND THERMOSTATIC STEAM TRAPS

PN16

Ø2"
DN50

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT17-4,5 , 10 and 14
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-2 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT17 (R-L)
- UPON REQUEST**
-horizontal installation with the flow from left to right (L-R)
-vertical installation with the flow from top to bottom (V)

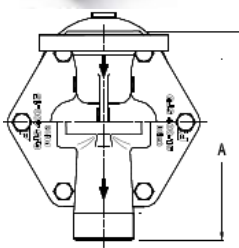


MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless st. / Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI 420 / 1.4021
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

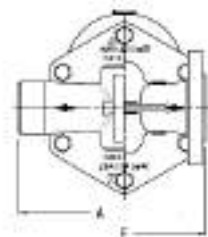
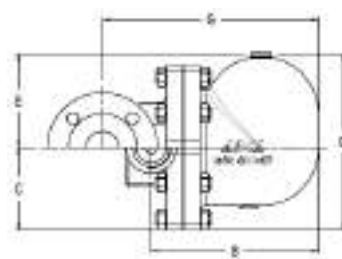
*Available spare parts.

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-2:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.



SIZE DN	Screwed						EN PN16			ANSI 150		
	A	B	C	D	E	WGT. Kgs	F	G	WGT. Kgs	F	G	WGT. Kgs
	50-2"	300	250	126	266	140	21,6	230	325	27,8	230	325



CEMARKING (PED - European Directive 97/23/EC)	
PN 16	Category
DN 50 HC	1 (CE Marked)

Vertical Installation (V)

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,1	0,3	0,5	0,7	1	1,5	2	4,5	7	10	12	14			
FLT17-4,5	50HC	2400	5900	7550	9050	11000	14000	15500	22500							
FLT17-10	50HC	1800	3000	3900	4450	5000	6100	7100	10000	13750	16000					
FLT17-14	50HC	900	1500	1900	2300	2700	3100	3600	5000	6900	8100	9000	9800			

5.18

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoind

valvole industriali

VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

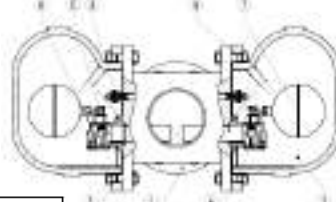
FLT22 G/TW

FLOAT AND THERMOSTATIC STEAM TRAPS Twin Float Traps Steel body / Cast iron cover

PN16

dal Ø 3" al Ø4"
dal DN80 al DN100

- USE**
Saturated and superheated steam.
 - MODELS**
FLT22G/TW
 - CONNECTIONS**
Flanged EN 1092-1 PN16 or ANSI
 - INSTALLATION**
Horizontal standard installation
- MAX. DIFFERENTIAL PRESSURE
FLT22G/TW-4,5 : 4,5 bar FLT22G/TW -10 : 10 bar
FLT22G/TW -14: 14 bar

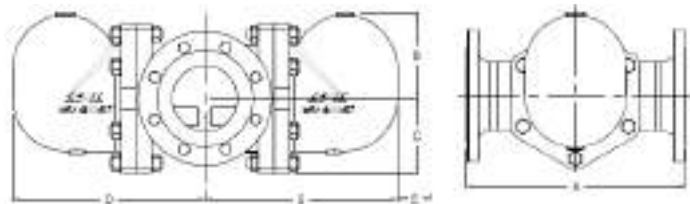


MATERIALS		
POS. N.	DESCRIPTION	MATERIAL
1	Body	P220GH / 1.0480 ; P225GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR/G2/1.0038
2	Cover	HT200/HT150/HT160
3	*Gasket	Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021
6	*Lever	AISI304 / 1.4301
7	*Float	AISI304 / 1.4301
8	*Air vent	Stainless steel (Bimetallic)
9	Bole	Steel 8.8

CE MARKING (PED - European Directive 97/23/EC)	
PN 16	Category
DN80 - DN100	1 (CE Marked)

BODY LIMITING CONDITIONS	
FLANGED PN 16 / ANSI 150 *	RELATED TEMP.
ALLOW. PRES.	
14,8 bar	100 °C
14 bar	150 °C
13,3 bar	200 °C
12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 198 °C
* According to EN1092-1:2007



DIMENSIONS (mm)						
SIZE DN	A	B	C	D	E	WGT. Kgs
80 - 3"	350	141	123	315	200	73
100 - 4"	350	141	123	315	200	71

FLOW RATE CAPACITY IN Kgs/h										
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)								
		0,5	0,7	1	1,5	2	4,5	7	10	14
FLT22G/TW-4,5	80-100	15100	18100	22000	28000	31000	45000			
FLT22G/TW-10	80-100	7800	8900	10000	12200	14200	20000	27500	32000	
FLT22G/TW-14	80-100	3800	4600	5400	6200	7200	10000	13800	16200	19600

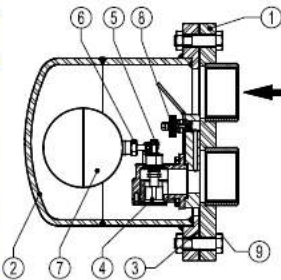
FLT22S FLT22SS

FLOAT AND THERMOSTATIC STEAM TRAPS Twin Float Traps Carbon steel / Stainless steel

PN40

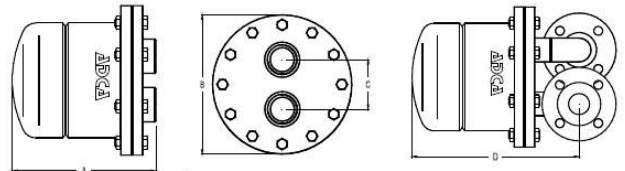
dal Ø 1 1/2" al Ø2"
dal DN40 al DN50

- USE**
Saturated and superheated steam.
- MODELS**
FLT22S - Carbon steel
FLT22SS - Stainless steel
- CONNECTIONS**
Female screwed
Flanged EN1092-1 PN40 or ANSI
- INSTALLATION**
Horizontal standard installation from right to left (R-L).
Left to right (L-R) or vertical installation top to bottom (V) on request.



MATERIALS			
POS. Nr.	DESIGN	MATERIAL FLT22S	MATERIAL FLT22SS
1	Body	P250GH / 1.0480 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR/G2/1.0038	AISI316 / 1.4401 ; AISI304 / 1.4301
2	Cover	P235GH / 1.0305 ; P285GH / 1.0425 ; S355J2G3 / 1.0570	AISI316 / 1.4401 ; AISI304 / 1.4301
3	*Gasket	Graphite	Graphite
4	*Seat	CF8 / 1.4308	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021	AISI420 / 1.4021
6	*Lever	AISI304 / 1.4301	AISI304 / 1.4301
7	*Float	AISI304 / 1.4301	AISI304 / 1.4301
8	*Air vent	Stainless steel (Bimetallic)	Stainless steel (Bimetallic)
9	Bolts	Steel 8.8	St. Steel A2-70

*Available spare parts.



BODY LIMITING CONDITIONS				
FLT22S		FLT22SS		RELATED TEMP.
FLANGED PN 25 / ANSI 1500 *	FLANGED ANSI 150 **	FLANGED PN 25 / ANSI 1500 *	FLANGED ANSI 150 **	
ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	
23,2 bar	15,4 bar	21,5 bar	15,7 bar	100 °C
20,8 bar	13,8 bar	17,5 bar	13,2 bar	200 °C
19 bar	12,1 bar	16,3 bar	12 bar	250 °C
17,2 bar	10,2 bar	15,1 bar	10,2 bar	300 °C

PMO - Max. operating pressure 21 bar ; TMO - Max. operating temperature 250 °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.

MAX. DIFF. PRESSURE: FLT22S-4,5 : 4,5 bar ; FLT22S-10 : 10 bar ; FLT22S-14 : 14 bar ; FLT22S-21: 21 bar
Note: the same figures are valid for the FLT22SS

FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		0,5	0,7	1	1,5	2	4,5	7	10	12	14	21
FLT22S-4,5	40-11/2"	2400	2800	3400	3900	4500	7300					
FLT22S-10	40-11/2"	1500	1750	2000	2600	3000	4000	5400	6200			
FLT22S-14	40-11/2"	950	1100	1300	1600	1800	2600	3250	3900	4210	4950	
FLT22S-21	40-11/2"	950	1100	1300	1600	1800	2600	3250	3900	4210	4950	5600
FLT22S-4,5	50-2"	7550	9050	11000	14000	15500	22500					
FLT22S-10	50-2"	3900	4450	5000	6100	7100	10000	13750	16000			
FLT22S-14	50-2"	1900	2300	2700	3100	3600	5000	6900	8100	9000	9800	
FLT22S-21	50-2"	1900	2300	2700	3100	3600	5000	6900	8100	9000	9800	12050

Note: the same figures are valid for the FLT22SS

DIMENSIONS (mm)																
SIZE DN	FLANGED EN 1092-1				FLANGED ANSI 1500				FLANGED ANSI 1500							
	A	B	C	WGT. Kgs	D	E	F	WGT. Kgs	D	E	F	WGT. Kgs	D	E	F	WGT. Kgs
40-11/2"	390	310	110	41	300	280	230	40	280	200	150	40	280	200	200	50
50-2"	390	310	110	40	300	280	230	40	280	200	150	40	280	200	200	50

5.20

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

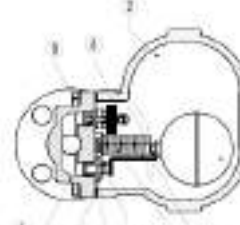
FLT 32 HC

FLOAT AND THERMOSTATIC STEAM TRAPS Cast steel

PN40

Ø1"
DN25

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
Internal strainer
- USE**
Saturated and superheated steam.
- MODELS**
FLT32-4.5, 10, 14 and 21.
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI
- INSTALLATION**
Standard horizontal installation –
From left to right FLT32 (R-L)
From right to left (L-R)
-vertical installation with the flow
from top to bottom (V)
- UPON REQUEST**
-horizontal installation with the flow
From right to left (L-R)
-vertical installation with the flow
from top to bottom (V)

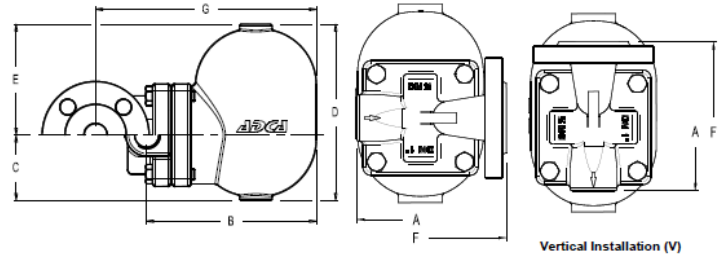


MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 440C / 1.4125
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8
10	**Strainer	AISI 304 / 1.4301

*Available spare parts; ** Optional

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
37,1 bar	15,4 bar	100 °C
33,3 bar	13,8 bar	200 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.



CEMARKING (PED - European Directive 97/23/EC)	
PN 40	Category
DN25 - DN1"	1 (CE Marked)

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h															
		DIFFERENTIAL PRESSURE (bar)															
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14	16	21	
FLT32-4,5	1"-25HC	900	1250	1450	1700	2010	2400										
FLT32-10	1"-25HC	450	620	790	890	1100	1250	1500	1600	1700	1750	1800					
FLT32-14	1"-25HC	340	435	530	600	610	850	990	1100	1190	1240	1300	1350	1380			
FLT32-21	1"-25HC	230	330	400	440	535	630	720	800	840	900	920	1020	1120	1260	1270	

SIZE DN	DIMENSIONS (mm)																
	Screwed																
	EN PN 16 / 40				ANSI 150				ANSI 300				ANSI 300*				
A	B	C	D	E	WT Kgs	F	B	WT Kgs	F	B	WT Kgs	F	B	WT Kgs	F	B	WT Kgs
40-11/2"	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1	230	248	22,1		
50-2"	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5	230	248	22,3		

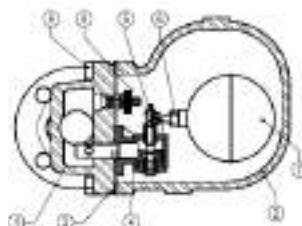
FLT 32

FLOAT AND THERMOSTATIC STEAM TRAPS Cast steel

PN40

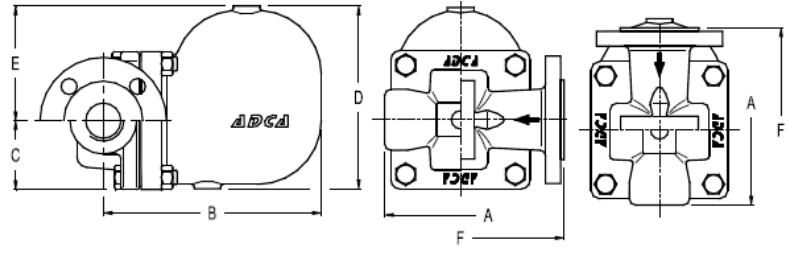
dal Ø 1 1/2" al Ø2"
dal DN40 al DN50

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT32-4.5, 10, 14 and 21.
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI
- INSTALLATION**
Standard horizontal installation –
From right to left FLT32 (R-L)
From left to right (L-R)
-vertical installation with the flow
from top to bottom (V)
- UPON REQUEST**
-horizontal installation with the flow
From left to right (L-R)
-vertical installation with the flow
from top to bottom (V)



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
3	*Gasket	Stainless st. / Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI 420 / 1.4021
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

*Available spare parts.



CEMARKING (PED - European Directive 97/23/EC)	
PN 40	Category
DN40 - DN50	1 (CE Marked)

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
37,1 bar	15,4 bar	100 °C
33,3 bar	13,8 bar	200 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

SIZE DN	DIMENSIONS (mm)															
	Screwed															
	EN PN16 / 40				ANSI 150				ANSI 300							
A	B	C	D	E	WT Kgs	F	B	WT Kgs	F	B	WT Kgs	F	B	WT Kgs		
40-11/2"	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1	230	248	22,1	
50-2"	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5	230	248	22,3	

MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h															
		DIFFERENTIAL PRESSURE (bar)															
		0,5	1	1,5	2	4,5	7	10	12	14	16	21					
FLT32-4,5	40-50	2400	3400	3900	4500	7300											
FLT32-10	40-50	1500	2000	2800	3000	4000	5400	6200									
FLT32-14	40-50	950	1300	1600	1800	2600	3250	3900	4210	4950							
FLT32-21	40-50	950	1300	1600	1800	2600	3250	3900	4210	4950	5000	5600					

5.21

FLOAT AND THERMOSTATIC STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

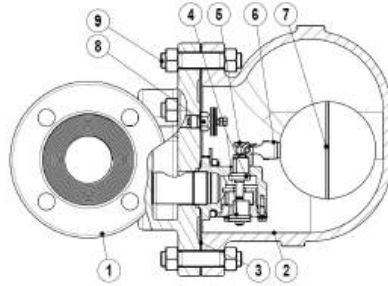
FLT 32

FLOAT AND THERMOSTATIC STEAM TRAPS Fabricated steel

PN40

Ø2"
DN50

- OPTIONS**
SLR – steam lock release
Equalizing plug or vent connector
- USE**
Saturated and superheated steam
- MODELS**
FLT32-4,5, 10, 14 and 21.
- CONNECTIONS**
Flanged EN 1092-1 PN40
- INSTALLATION**
Standard horizontal installation –
From right to left FLT32 (R-L)
- UPON REQUEST**
-horizontal installation with the flow
from left to right (L-R)



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
3	*Gasket	Stainless st. / Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021
6	*Lever	AISI304 / 1.4301
7	*Float	AISI304 / 1.4301
8	*Air vent	Stainless st. (Bimetallic)
9	Bolts	Steel 8.8

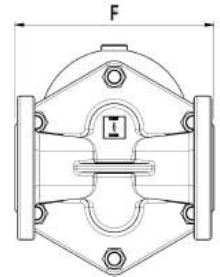
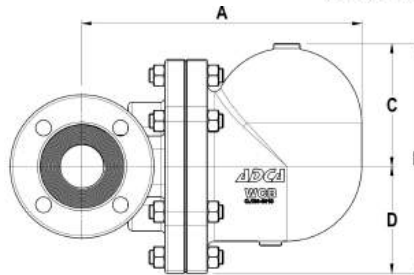
*Available spare parts.

MAX. DIFFERENTIAL PRESSURE
FLT32-4,5 : 4,5 bar
FLT32-10 : 10 bar
FLT32-14 : 14 bar
FLT32-21 : 21 bar

CE MARKING (PED - European Directive 97/23/EC)	
PN16	Category
DN50	2 (CEMarked)

BODY LIMITING CONDITIONS	
FLANGED PN40*	RELATED TEMP.
ALLOW. PRES.	
37,1 bar	100 °C
33,3 bar	200 °C
30,4 bar	250 °C
27,6 bar	300 °C

PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007 ;



FLOW RATE CAPACITY IN Kgs/h															
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)													
		0,5	1	1,5	2	4,5	7	10	12	14	16	21			
FLT32-4,5	50HC	7550	11000	14000	15500	22500									
FLT32-10	50HC	3900	5000	6100	7100	10000	13750	16000							
FLT32-14	50HC	1900	2700	3100	3600	5000	6900	8100	9000	9800					
FLT32-21	50HC	1900	2700	3100	3600	5000	6900	8100	9000	9800	10050	11500			

DIMENSIONS (mm)						
EN PN16 / 40						
SIZE DN	A	B	C	D	F	WGT. Kgs
50	321	264	141	123	230	37,5

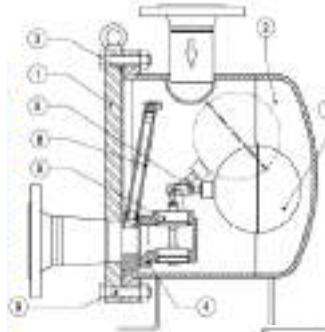
FLT 50 S FLT 65 S

FLOAT AND THERMOSTATIC STEAM TRAPS Fabricated steel

PN16

dal Ø 1 1/2" al Ø2"
dal DN40 al DN50

- OPTIONS**
Equalizing plug or vent connection
- USE**
Saturated and superheated steam.
- MODELS**
FLT50S – FLT65S
- CONNECTIONS**
Flanged EN 1092-1 PN16 or ANSI
- INSTALLATION**
Horizontal standard installation with
vertical inlet and horizontal outlet.

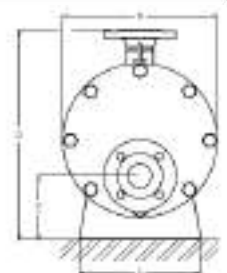
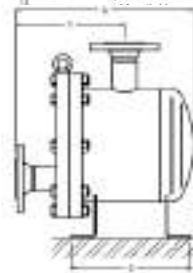


MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL FLT50 - FLT65
1	Body	P250GH / 1.0460 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR G2/1.0038
2	Cover	P235GH / 1.0305 ; P265GH / 1.0425 ; S355J2G3 / 1.0570
3	*Gasket	Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021 ; CF8M / 1.4408
6	*Lever	AISI316 / 1.4401 ; AISI304 / 1.4301
7	*Float	AISI304 / 1.4301
8	*Air vent	Stainless steel (Thermostatic)
9	Bolts	Steel 8.8

BODY LIMITING CONDITIONS	
FLANGED PN 16 / ANSI 150*	RELATED TEMP.
ALLOW. PRES.	
14,8 bar	100 °C
13,3 bar	200 °C
12,1 bar	250 °C
11 bar	300 °C

PMO - Max. operating pressure 12 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007

CE MARKING (PED - European Directive 97/23/EC)	
PN 16	Category
FLT50 DN50 - DN65	2 (CEMarked)
FLT65 DN65 - DN100	2(CEMarked)



FLOW RATE CAPACITY IN Kgs/h																	
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)															
		0,1	0,3	0,5	1	1,5	2	2,5	3	3,5	4	5	6	7	8	10	12
FLT50-12	50-65	7500	10000	11300	12600	13600	15000	16000	17600	18500	20000	20500	21600	22000	22500	23000	23500
FLT65-12	65-100	18800	22700	24600	28000	31000	34000	37000	38000	36500	42000	43500	46500	47000	48000	49500	50000

DIMENSIONS (mm)										
MODEL	SIZE DN	A	B	C	D	E	F	G	H	WGT. Kgs
FLT 32	50 - 2"	450	350	230	180	140	270	280	144	39
FLT 50	65 - 2 1/2"	450	350	230	180	140	270	280	144	50
FLT 65	80 - 3"	475	440	250	170	150	280	280	150	60,6
FLT 80	80 - 3"	500	440	250	170	150	280	280	150	67
FLT 100	100 - 4"	525	440	250	170	150	280	280	150	100,5

5.22

FLOAT AND THERMOSTATIC STEAM TRAPS



VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

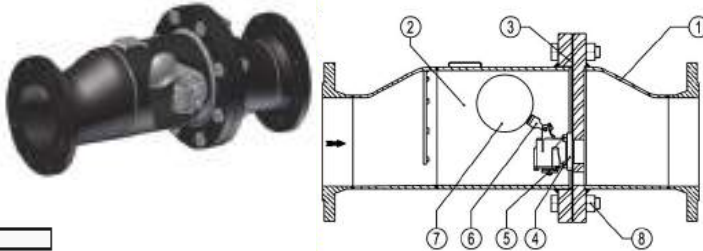
FLT 120S

HIGH CAPACITY FLOAT AND ORIFICE STEAM TRAPS Fabricated steel

PN16

**Ø6"
DN150**

- **OPTIONS**
Special design
- **USE**
Saturated steam.
- **MODELS**
FLT120S
- **CONNECTIONS**
Flanged EN 1092-1 PN16 or ANSI
- **INSTALLATION**
Horizontal standard installation.



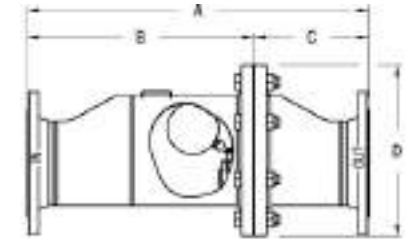
MATERIALS		
POS.N r.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR/2/1.0038
2	Cover	P250GH / 1.0460 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR/2/1.0038
3	*Gasket	Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021; CF8M / 1.4408
6	*Lever	AISI316 / 1.4401; AISI304 / 1.4301
7	*Float	AISI304 / 1.4301
8	Bolts	Steel 8.8

* Available spare parts.

BODY LIMITING CONDITIONS	
FLANGED PN 16 / ANSI 150 *	RELATED TEMP.
ALLOW. PRES.	
14,8 bar	100 °C
13,3 bar	200 °C
12,1 bar	250 °C
11 bar	300 °C

PMO - Max. operating pressure 4 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007

FLOW RATE CAPACITY WITH ONE MECHANISM AND ORIFICE								
Dif. Press. bar	Max	*Min.	Max	*Min.	Max	*Min.	Max	*Min.
0,1	14000	6200	19000	10500	22000	13500	26000	17500
0,3	24000	10500	33000	18000	36000	22000	42000	28500
0,7	35000	15500	48000	26500	55000	34000	61000	41500
1	40000	17000	56000	31000	61000	37500	70000	47500
1,5	48000	21500	63000	35000	71000	44000	83000	56500
2	56000	24500	72000	39500	82000	51000	98000	66500
3	65000	28500	89000	49000	98000	60500	120000	81500
4	72000	31000	98000	54000	115000	72000	130000	88500
Orifice Nr.	O1		O2		O3		O4	



DIMENSIONS (mm)						
MODEL	SIZE DN	A	B	C	D	WGT. Kgs
FLT 120S	150	680	450	230	340	68

* The minimum flow rate is necessary to ensure that the orifice does not waste steam.

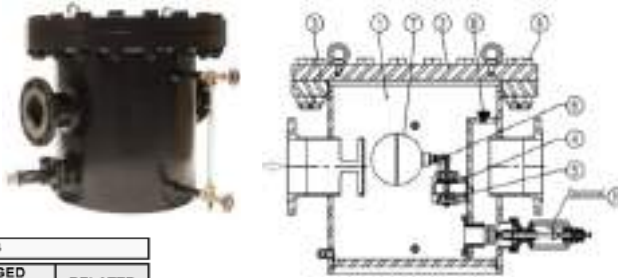
FLT 150 S

HIGH CAPACITY FLOAT AND THERMOSTATIC STEAM TRAPS Fabricated steel

PN16

**Ø 4" e Ø6"
DN100 e DN150**

- **OPTIONS**
By-pass valve with aperture indicator.
- **USE**
Saturated steam.
- **MODELS**
FLT150S-TW – Double mechanism.
FLT150S-O – Single mech. w/ orifice
- **CONNECTIONS**
Flanged EN 1092-1 PN6/PN10/PN16 or ANSI.



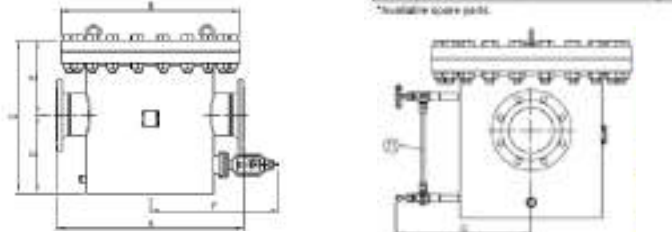
MATERIALS		
POS. Nr.	DESIGNATION	MATERIAL
1	Bolt	P250GH / 1.0460 ; P235GH / 1.0305 ; S355J2G3 / 1.0570 ; S235JR/2/1.0038
2	Cover	P250GH / 1.0460
3	*Gasket	Graphite
4	*Seat	CF8 / 1.4308
5	*Valve	AISI420 / 1.4021; CF8M / 1.4408
6	*Cover	AISI316 / 1.4401; AISI304 / 1.4301
7	*Float	AISI304 / 1.4301
8	*Invert	Stainless steel (Thermostatic)
9	Bolts	Steel 8.8
10	By-pass valve	G45-400-15 / 2.7040
11	Aperture indicator	Swagelok / Bourdonsteel goods

* Available spare parts.

BODY LIMITING CONDITIONS			
FLANGED PN 16 / ANSI 150 *	FLANGED PN 10	FLANGED PN 6	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	ALLOW. PRES.	
16 bar	10 bar	6 bar	50 °C
14,8 bar	9,2 bar	5,5 bar	100 °C
13,3 bar	8,3 bar	5 bar	200 °C
12,1 bar	7,6 bar	4,5 bar	250 °C

PMO - Max. operating pressure 12 bar
TMO - Max. operating temperature 250 °C
* According to EN1092-1:2007

FLOW RATE CAPACITY WITH ONE MECHANISM AND ORIFICE IN Kg/h							
Dif. Press. bar	DN 100		DN 150		ΔQmax		
0,1	22300	24100	28800	33700	43600	56400	18800
0,3	27400	30300	34200	45400	61200	81400	22700
0,7	32200	36200	41800	57700	79900	108800	26200
1	34700	39500	46500	65800	93100	128100	27700
1,4	37000	42800	50500	72900	104400	144900	29200
2	40700	47800	57200	84800	144900	172900	31700
Orifice Nr.	O1	O2	O3	O4	O5	O6	



DIMENSIONS (mm)											
MODEL	SIZE DN	A EN	A ANSI150#	A ANSI300#	B	C	D	E	F	G	WGT. Kg
PN 06	100	745	808	827	645	590	312	279	515	480	231
	125	745	827	846	645	590	312	279	515	480	240
	150	745	827	846	645	590	312	279	515	480	247
PN 10	100	745	794	813	670	595	312	284	515	480	270
	125	745	813	832	670	595	312	284	515	480	278
	150	745	813	832	670	595	312	284	515	480	284
PN 16	100	745	794	813	715	610	312	298	515	480	377
	125	745	813	832	715	610	312	298	515	480	385
	150	745	813	832	715	610	312	298	515	480	401

CE MARKING (PED - European Directive)	
Rated PN 6	Category
FLT150S-TW DN100 - DN150	2 (CE Marked)
Rated PN 10	Category
FLT150S-TW DN100 - DN150	2 (CE Marked)
Rated PN 16	Category
FLT150S-TW DN100 - DN150	3 (CE Marked)

FLOW RATE CAPACITY WITH DOUBLE MECHANISM WITHOUT ORIFICE IN Kg/h																	
MODEL FLT	SIZE DN	DIFFERENTIAL PRESSURE (bar)															
		0,1	0,3	0,5	1	1,5	2	2,5	3	3,5	4	5	6	7	8	10	12
150S/TW	100-150	37800	45400	49000	58000	82000	88000	74000	78000	79000	84000	87000	91000	94000	96000	99000	100000

5.23

INVERTED BUCKET STEAM TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

IB12

INVERTED BUCKET STEAM TRAPS

PN16

Ø 1/2" e Ø3/4"
DN15 e DN20

- USE**
Saturated and superheated steam..
- MODELS**
IB 12-4; IB12-8; IB12-12.
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Threaded flanges on request
- INSTALLATION**
Horizontal installation
See IMI installation and maintenance instructions.



BODY LIMITING CONDITIONS	
THREADED PN16	RELATED TEMP.
ALLOW. PRES.	
16 bar	100 °C
15,5 bar	150 °C
14,7 bar	200 °C
13,9 bar	250 °C

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

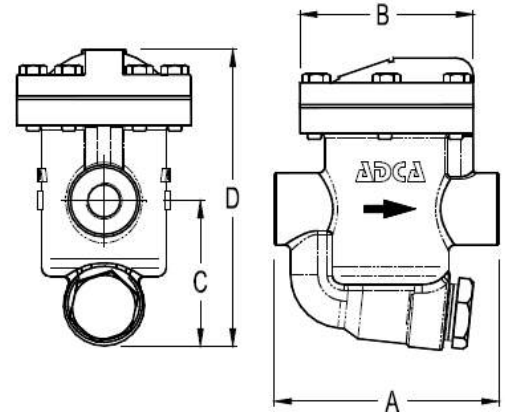
MAX. DIFFERENTIAL PRESSURE

IB12 - 4 : 4 bar
IB12 - 8 : 8 bar
IB12 - 12 : 12 bar

DIMENSIONS (mm)					
SIZE DN	A	B	C	D	WGT. Kgs
1/2"	130	102	85	170	3,9
3/4"	130	102	85	170	3,9

MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless St. / 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 St. / Graphite
10	Plug	A105 / 1.0432
11	Bolts	Steel 8.8

* Available spare parts



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

IBB12

INVERTED BUCKET STEAM TRAPS

PN16

Ø 3/4" e Ø1"
DN20 e DN25

- USE**
Saturated and superheated steam..
- MODELS**
IBB 12-4; IBB12-8; IBB12-12.
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Threaded flanges on request
- INSTALLATION**
Horizontal installation
See IMI installation and maintenance instructions.



BODY LIMITING CONDITIONS	
THREADED PN16	RELATED TEMP.
ALLOW. PRES.	
16 bar	100 °C
15,5 bar	150 °C
14,7 bar	200 °C
13,9 bar	250 °C

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

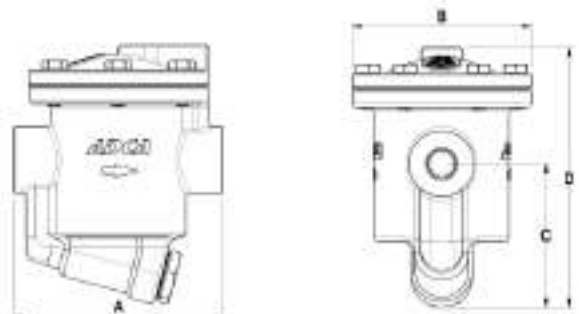
MAX. DIFFERENTIAL PRESSURE

IBB12 - 4 : 4 bar
IBB12 - 8 : 8 bar
IBB12 - 12 : 12 bar

DIMENSIONS (mm)					
SIZE DN	A	B	C	D	WGT. Kgs
3/4"	175	150	127	219	7
1"	175	150	127	219	6,9

MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	*Gasket	Stainless St. / 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 St. / Graphite
10	Plug	A105 / 1.0432
11	Bolts	Steel 8.8

* Available spare parts



FLOW RATE CAPACITY IN Kgs/h												
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)										
		1	2	3	4	5	6	7	8	10	11	12
IBB12-4	3/4" - 1"	1090	1340	1550	1670							
IBB12-8	3/4" - 1"	720	910	1020	1120	1160	1210	1240	1290			
IBB12-12	3/4" - 1"	570	720	810	860	828	850	860	900	1010	1060	1100

5.25

INVERTED BUCKET STEAM TRAPS

Valvoind

valvole industriali

VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

IB30S

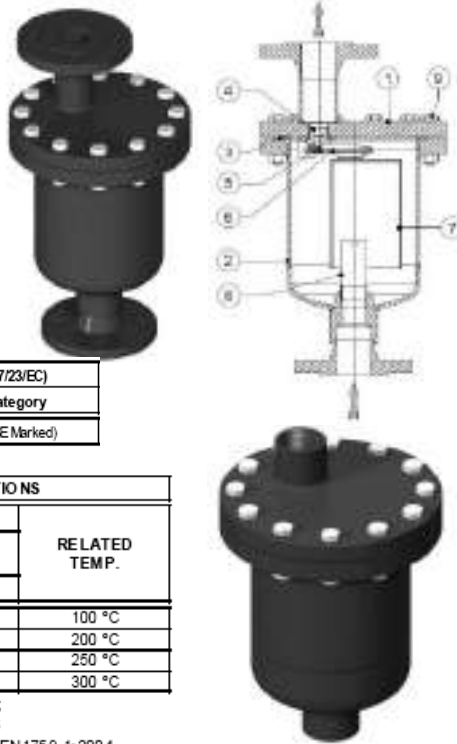
INVERTED BUCKET STEAM TRAPS

PN16 PN25

Ø 1 1/2" e Ø2"
DN40 e DN50

- USE**
Saturated and superheated steam.
- MODELS**
IB30S
- 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.

MAX. DIFFERENTIAL PRESSURE
IB30S-4: 4 bar
IB30S-8 : 8 bar
IB30S-12: 12 bar



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

* Available spare parts

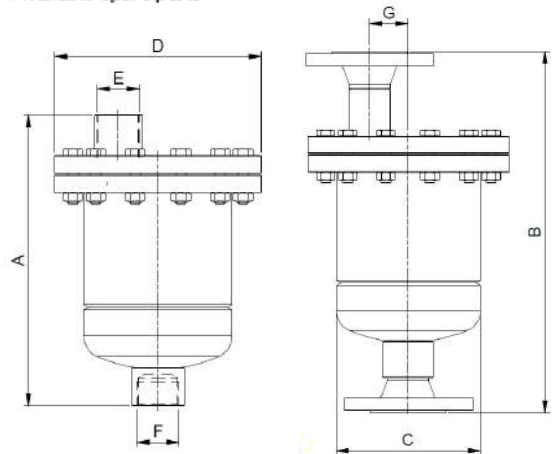
CE MARKING (PED - European Directive 97/23/EC)		
PN 16	PN25	Category
DN40 - DN50	DN40 - DN50	1 (CEMarked)

BODY LIMITING CONDITIONS		
IB30S		RELATED TEMP.
FLANGED PN 25 / ANSI 300 *	FLANGED ANSI 150 **	
ALLOW. PRES.	ALLOW. PRES.	
23,2 bar	16,4	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 EN 1092-1:2007 ; ** Acc. to EN 1759-1:2004
Body limiting conditions PN25 or below, depending on the type of connection adopted. Rating PN25 for thread, SW and BW.

FLOW RATE CAPACITY IN Kg/h		DIFFERENTIAL PRESSURE (bar)												
MODEL	SIZE	1	2	3	4	5	6	7	8	10	11	12		
IB30-4	40 - 50	2200	2770	3230	3570									
IB30-8	40 - 50	1850	2290	2660	2830	3070	3300	3500	3700					
IB30-12	40 - 50	1500	1800	2120	2300	2460	2600	2720	2820	2910	2990	3060		

Recommended safety factor: continuous service = 1,5 - 1,6 ; 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	46	17,5	425	21,6	442	21,3	448	23,4
50 - 2"	338	168,2	46	18	428	23,5	444	23,6	450	24,9

* BW (butt weld) on request.

5.50

COMPRESSED AIR BALL FLOAT TRAPS



VALVOIND Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

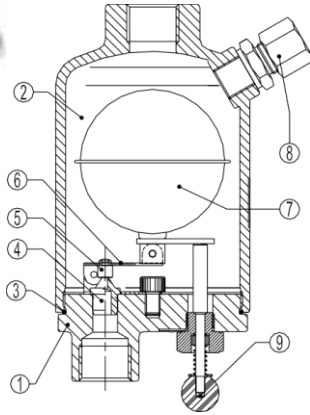
FA16SS

COMPRESSED AIR BALL FLOAT TRAPS (Stainless steel)

PN16

Ø 1/2" - Ø 3/4" DN15-DN20

- OPTIONS**
Compression fitting
Hand purging valve.
- USE**
Compressed air and non corrosive gas compatible with the construction.
- MODELS**
FA16SS
- CONNECTIONS**
Inlet 1/2" or 3/4" vertical (top to bottom)
Outlet 1/2" vertical.
Female screwed ISO 7/1Rp(BS21)
- INSTALLATION**
Vertical installation. It must be installed Absolutely vertically at the points in the plant where the condensate tends to collect.
The drain should be piped to a safe position.
See IMI installation and maintenance instructions.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408 ; AISI316 / 1.4401
2	Cover	CF8M / 1.4408 ; AISI316 / 1.4401
3	* O-ring	NBR
4	* Seat	AISI 316 / 1.4401
5	* Valve	VITON
6	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8 a)	Compression fitting	Fe / Zn 12 - ISO 2081
9 b)	Hand purging valve	AISI 304 / 1.4301

*Available spare parts.
a) 1/4" x 8 mm compression fitting
b) Hand purging valve

BODY LIMITING CONDITIONS	
Threaded PN16	RELATED TEMP.
ALLOW. PRES.	
16 bar	100 °C
14,5 bar	150 °C
13,4 bar	200 °C
12,7 bar	250 °C
PMO - Max. operating pressure 14 bar	
TMO - Max. operating temperature 180 °C	

APPLICATION LIMITS	
Min.Liquid specific w eight	0,75 Kg/dm3
Maximum w orking dif.pressure	14 bar

DIMENSIONS (mm)			
SIZE DN	A	B	WGT. Kgs
1/2"	110	152	1,6
3/4"	110	152	1,6



FLOW RATE CAPACITY IN Kg /h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4	6	7	8	9	10	12	14
FA 16SS	1/2"-3/4"	120	145	180	190	230	250	300	330	340	360	380	400	430

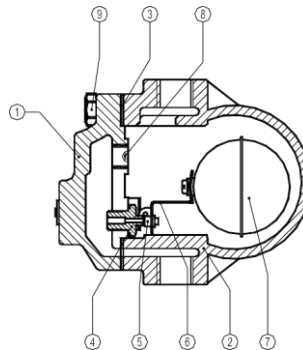
FA17G

COMPRESSED AIR BALL FLOAT TRAPS

PN16 - ANSI

Ø 1/2" - Ø 3/4" DN15-DN20

- OPTIONS**
Horizontal reversible inlet connections.
- USE**
Compressed air and non corrosive gas, compatible with the construction.
- MODELS**
FA17G
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21)
Flanged EN 1092-2 PN16 or ANSI
- INSTALLATION**
Vertical installation.
See IMI installation and maintenance instructions



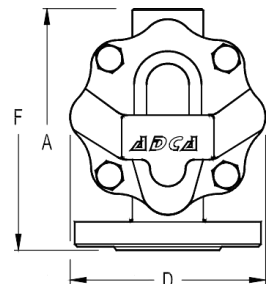
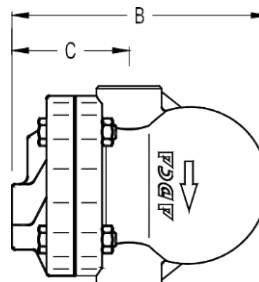
MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	* Gasket	St.Steel/ Graphite
4	* Seat	AISI 304 / 1.4301
5	* Valve	VITON
6	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8	Plug	A105 / 1.0432
9	Bolts	Steel 8.8

*Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C
PMO - Max. operating pressure 14 bar		
TMO - Max. operating temperature 200 °C		
* According to EN1092-1:2000 ; ** Acc. to EN1759-1:2004		
Body limiting conditions PN16 or below , depending on the type of connection adopted. Rating PN16 for thread.		

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 200 °C
* According to EN1092-1:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below , depending on the type of connection adopted. Rating PN16 for thread.

APPLICATION LIMITS	
Min.Liquid specific w eight	0,75 Kg/dm3
Maximum w orking dif.pressure	14 bar



FLOW RATE CAPACITY IN Kg /h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4	6	7	8	9	10	12	14
FA17G	1/2"-3/4"	120	145	180	190	230	250	300	330	340	360	380	430	430

DIMENSIONS (mm)									
SIZE DN	Screwed				WGT. Kgs	EN PN16		ANSI 150	
	A	B	C	D		F	WGT. Kgs	F	WGT. Kgs
15-1/2"	122	150	68	108	3,5	150	4,4	150	3,9
20-3/4"	122	150	68	108	3,5	150	4,9	150	4,1

5.51

COMPRESSED AIR BALL FLOAT TRAPS

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

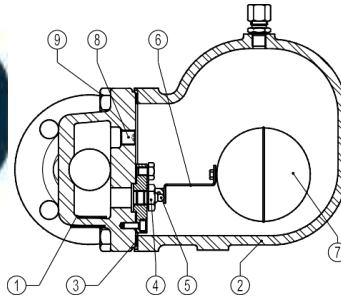
FA17G

COMPRESSED AIR BALL FLOAT TRAPS

PN16

Ø 1 1/2" - Ø 2"
DN40-DN50

- OPTIONS**
Horizontal reversible inlet connections.
- USE**
Compressed air and non corrosive gas, compatible with the construction.
- MODELS**
FA 17/G
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21)
Flanged EN 1092-2 PN16 or ANSI
- INSTALLATION**
Standard horizontal installation-flow from right to left (R-L).
Vertical installation with the flow from top to bottom (V).
See IMI installation and maintenance instructions.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	* Gasket	St.Steel / Graphite
4	* Seat	AlSi 304 / 1.4301
5	* Valve	AlSi 304 / 1.4301
6	* Lever	AlSi 304 / 1.4301
7	* Float	AlSi 304 / 1.4301
8	Plug	St. Steel
9	Bolts	Steel 8.8

*Available spare parts

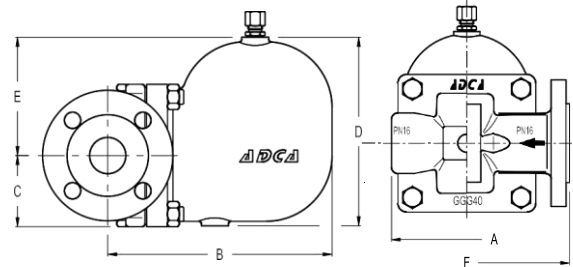
MODEL	SIZE	FLOW RATE CAPACITY IN Kg/h												
		DIFFERENTIAL PRESSURE (bar)												
		0,5	1	1,5	2	3	4	6	7	8	9	10	12	14
FA17G	40-50	370	515	605	720	900	1005	1250	1340	1500	1560	1620	1750	1890

SIZE DN	DIMENSIONS (mm)											
	Screwed					EN PN16			ANSI 150			
	A	B	C	D	E	WGT. Kgs	F	B	WGT. Kgs	F	B	WGT. Kgs
40-1 1/2"	210	248	79	208	131	16,9	230	248	20,3	230	248	19,1
50-2"	210	248	79	208	131	17,5	230	248	20,7	230	248	20,5

BODY LIMITING CONDITIONS		
FLANGED PN16*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO - Max. operating pressure 14 bar
TMO - Max. operating temperature 200 °C
* According to EN1092-1:2000 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN16 or below, depending on the type of connection adopted. Rating PN16 for thread.

APPLICATION LIMITS	
Min. Liquid specific weight	0,75 Kg/dm3
Maximum working dif. pressure	14 bar



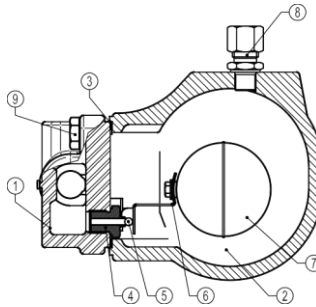
FA20

COMPRESSED AIR BALL FLOAT TRAPS (Carbon Steel)

PN25

Ø 1/2" - Ø 1"
DN15-DN25

- OPTIONS**
Internal strainer (only on horizontal models).
Equalizing and drain plug on body.
Lifting lever.
- USE**
Compressed air and non corrosive gas compatible with the construction.
- MODELS**
FA 20 -21
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21)
Flanged EN 1092-1 PN40 or ANSI.
Special flanges upon request.
- INSTALLATION**
Horizontal or vertical installation.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
3	*Gasket	Stainless st. / Graphite
4	*Seat	AlSi 410 / 1.4006
5	*Valve	VITON ** AlSi 410 / 1.4006
6	*Lever	AlSi 304 / 1.4301
7	*Float	AlSi 304 / 1.4301
8	** Compression fitting	St. Steel or Steel Fe / Zn
9	Bolts	Steel 8.8

*Available spare parts. ** Optional

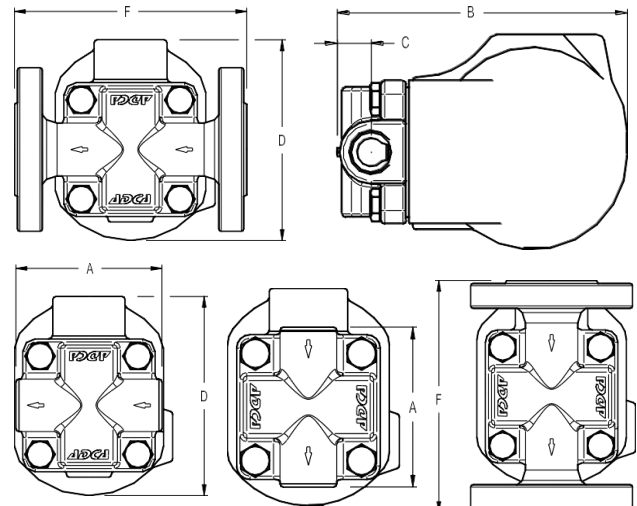
MODEL	SIZE	FLOW RATE CAPACITY IN Kgs/h														
		DIFFERENTIAL PRESSURE (bar)														
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14	16	21
FA20	15-25	75	100	125	155	180	220	255	275	290	305	320	345	375	420	480

SIZE DN	DIMENSIONS (mm)												
	Screwed					EN PN16/40			ANSI 150			ANSI 300	
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs		
15-1/2"	95	178	23	128	5,2	150	6,7	150	6,2	150	7		
20-3/4"	95	178	23	128	5,2	150	7,4	150	6,6	150	8,2		
25-1"	95	178	23	128	5,2	160	7,8	160	7,4	160	9		

BODY LIMITING CONDITIONS		
FLANGED PN25 / ANSI 300*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
23,2 bar	15,4 bar	100 °C
22 bar	15,8 bar	150 °C
20,8 bar	13,8 bar	200 °C
19 bar	12,1 bar	250 °C

PMO - Max. operating pressure 21 bar
TMO - Max. operating temperature 200 °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.

APPLICATION LIMITS	
Min. Liquid specific weight	0,75 Kg/dm3
Maximum working dif. pressure-FA20-21	21 bar



5.52

COMPRESSED AIR BALL FLOAT TRAPS



VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

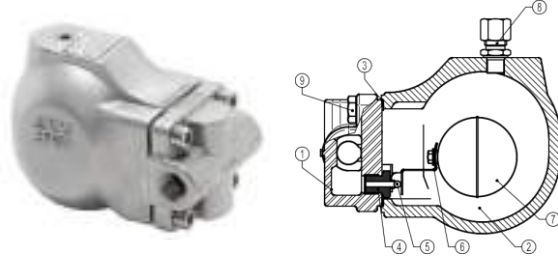
FA21SS

COMPRESSED AIR BALL FLOAT TRAPS (Stainless Steel)

PN25 - ANSI

Ø 1/2" - Ø 1" DN15-DN25

- OPTIONS**
Equalizing and drain plug on body.
Lifting lever.
- USE**
Compressed air and non corrosive gas compatible with the construction.
- MODELS**
FA 21SS-21.
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21)
Flanged EN 1092-1 PN40 or ANSI.
- INSTALLATION**
Horizontal or vertical installation.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	CF8M / 1.4408
2	Cover	CF8M / 1.4408
3	*Gasket	Stainless st./Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	VITON ** AISI 410 / 1.4006
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	**Compression fitting	St.Steel or Steel Fe / Zn
9	Bolts	St.Steel A2-70

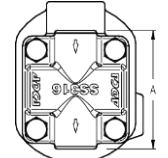
*Available spare parts ** Optional

		FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		0,5	1	1,5	2	3	4,5	6	7	8	9	10	12	14	16	21
FA 21 SS	15 - 25	75	100	125	155	180	220	255	275	290	305	320	345	375	420	480

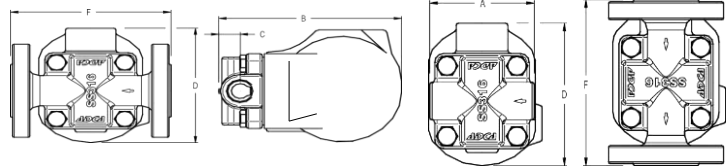
BODY LIMITING CONDITIONS		
FLANGED PN25 / ANSI 300*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
25 bar	16 bar	100 °C
22,7 bar	14,8 bar	150 °C
21 bar	13,6 bar	200 °C
19,8 bar	12 bar	250 °C

PMO - Max. operating pressure 21 bar
TMO - Max. operating temperature 200 °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.

DIMENSIONS (mm)											
SIZE DN	Screwed				EN PN16/40		ANSI 150		ANSI 300		
	A	B	C	D	WG. Kgs	F	WG. Kgs	F	WG. Kgs		
15-1/2"	95	178	23	128	5,2	150	6,7	150	6,2	150	7
20-3/4"	95	178	23	128	5,2	150	7,4	150	6,6	150	8,2
25-1"	95	178	23	128	5,2	160	7,8	160	7,4	160	9



APPLICATION LIMITS	
Min. Liquid specific weight	0,75 Kg/dm ³
Maximum working dif. pressure-FA21-21	21 bar



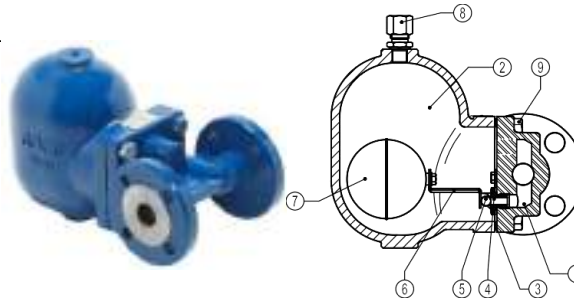
FA32

COMPRESSED AIR BALL FLOAT TRAPS (Carbon Steel)

PN40 - ANSI

Ø 1" DN25

- OPTIONS**
Internal strainer (only on horizontal models).
Equalizing and drain plug on body.
Lifting lever.
- USE**
Compressed air and non corrosive gas, compatible with the construction.
- MODELS**
FA 32-21, FA32-32.
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21)
Flanged EN 1092-1 PN40 or ANSI.
Special flanges upon request.
- INSTALLATION**
Horizontal or vertical installation.



MATERIALS		
POS.Nr.	DESIGNATION	MATERIAL
1	Body	GP240GH / 1.0619
2	Cover	GP240GH / 1.0619
3	*Gasket	Stainless st. / Graphite
4	*Seat	AISI 410 / 1.4006
5	*Valve	AISI 410 / 1.4006
6	*Lever	AISI 304 / 1.4301
7	*Float	AISI 304 / 1.4301
8	**Compression fitting	St.Steel or Steel Fe / Zn
9	Bolts	Steel 8.8

*Available spare parts. ** Optional

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300*	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
37,1 bar	15,4 bar	100 °C
33,3 bar	13,8 bar	200 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

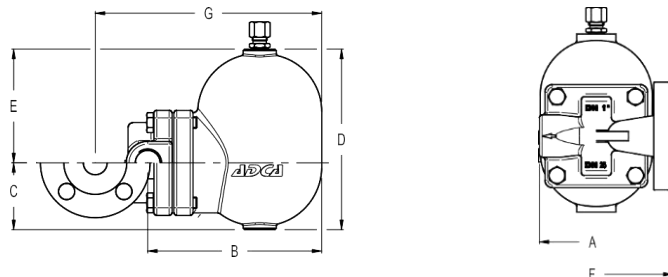
PMO - Max. operating pressure 32 bar
TMO - Max. operating temperature 200 °C
* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004
Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

		FLOW RATE CAPACITY IN Kgs/h														
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)														
		1	1,5	2	3	4,5	6	7	8	9	10	12	14	16	21	32
FA32-21	1" - 25	410	500	600	710	900	1005	1100	1150	1200	1350	1550	1640	1700	1850	
FA32-32	1" - 25	240	280	335	400	500	590	610	690	700	745	850	900	920	1100	1380

DIMENSIONS (mm)																								
SIZE DN	Screwed					EN PN 16 / 40		EN PN 16 / 40 *		ANSI 150		ANSI 150 *		ANSI 300		ANSI 300 *								
	A	B	C	D	E	WG. Kgs	F	G	WG. Kgs	F	B	WG. Kgs	F	B	WG. Kgs	F	B	WG. Kgs						
25-1"	120	195	80	190	110	9	160	248	11,3	230	195	12	160	248	11	230	195	11,2	160	248	11,3	230	195	12,8

* Alternative

APPLICATION LIMITS	
Min. Liquid specific weight	0,75 Kg/dm ³
Maximum working dif. pressure-FA32-21	21 bar
Maximum working dif. pressure-FA32-32	32 bar



CE MARKING (PED - European Directive 97/23/EC)	
PN 40	Category
DN25 - DN1"	1 (CE Marked)

5.58

CONDENSATE DRAIN VALVES

Valvoid

valvole industriali

VALVOID Srl Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

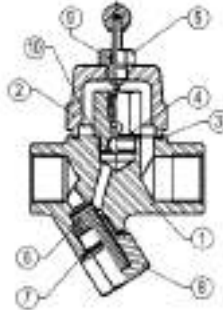
CDV32

CONDENSATE DRAIN VALVES

PN40

Ø 1/2" e Ø 3/4"
DN15 e DN20

- USE**
Saturated steam..
- MODELS**
CDV 32
- CONNECTIONS**
Female screwed ISO7/1 Rp (BS21)
Flanged EN 1092-1 PN40 or ANSI
Special flanges upon request.
- INSTALLATION**
Vertical installation recommended.
When installed in horizontal lines,
an outlet connecting pipe pointing
downwards should be provided.
See IMI installation and maintenance
instructions.



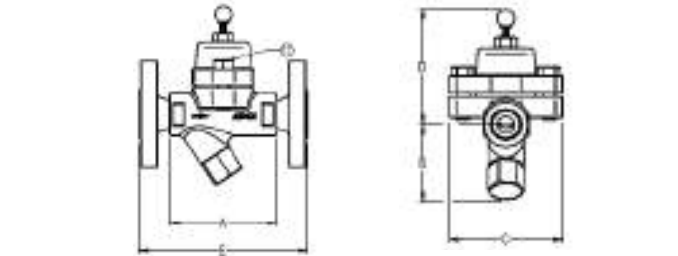
MATERIALS		
POS. NR.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	St.St./Graphite
4	* Valve controller	AISI304 / 1.4301
5	*Hand purging knob	Plastic
6	* Strainer screen	AISI304 / 1.4301
7	* Gasket	St.Steel / Graphite
8	Cover strainer	A 105 / 1.0432
9	*Gasket	AISI304 / 1.4301
10	*Gasket	AISI304 / 1.4301
11	Bolts	Steel 8.8

* Available spare parts

BODY LIMITING CONDITIONS		
FLANGED PN40 /ANSI 300*	FLANGED ANSI 150*	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C
Closing pressure	1,5 bar	
PMO - Max. operating pressure	22 bar	
TMO - Max. operating temperature	250 °C	

* According to EN1092-2:2007 ; ** Acc. to EN1759-1:2004 Body limiting conditions PN40 or below , depending on the type of connection adopted. Rating PN40 for thread. SW and BW

FLOW RATE CAPACITY IN Kgs/h										
MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)								
		0,1	0,2	0,3	0,4	0,5	0,6	0,8	1	1,5
CDV 32	15 - 20	220	280	380	420	470	520	585	630	780



DIMENSIONS (mm)											
SIZE DN	Screwed					EN PN16/PN40		ANSI 150		ANSI 300	
	A	B	C	D	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs	F	WGT. Kgs
15-1/2"	95	65	95	97	1,6	150	3,2	150	2,7	150	3,5
20-3/4"	95	65	95	97	1,6	150	3,9	150	3,1	150	4,7

*BW (butt weld) on request.

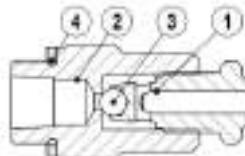
BDV

BLOWDOWN VALVE

PN63

Dal Ø 1/2" al Ø 1"
DN15 e DN25

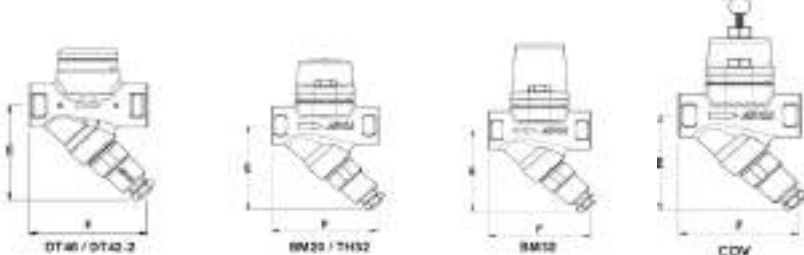
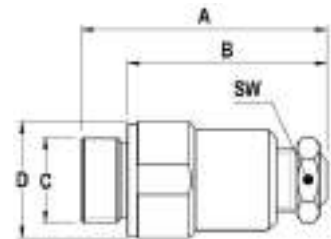
- USE**
Discharge of strainer screen contents
- MODELS**
BDV-M22: BDV-M28 e BDV-10
- DIMENSIONS**
M22 ; M28 and 3/8"
- CONNECTIONS**
Filetta Threaded (metric and NPT)
- LIMITING CONDITIONS**
PMA – Max. allowable pressure 63 bar
TMA – Max. allowable temperature 400 °C



MATERIALS		
PO S.Nr.	DESIGNATION	MATERIAL
1	Screw	AISI 304 / 1.4301
2	Body	AISI 304 / 1.4301
3	Ball valve	AISI 440C / 1.4125
4	Gasket	St.St./Graphite

*Available spare parts.

DIMENSIONS WHEN APPLIED TO STEAM TRAPS (mm)												
SIZE DN	S T E A M T R A P M O D E L											
	DT46		DT4 2/2		TH 32		BM 20		BM 32		C D V	
	E	F	E	F	E	F	E	F	E	F	E	F
1/2" - 15	83	94	83	94	83	94	83	94	83	94	83	94
3/4" - 20	83	94	83	94	83	94	83	94	83	94	83	94
1" - 25	90	100	90	100	90	100	90	100	90	100	90	100



DIMENSIONS (mm)-Screwed						
MODEL	A	B	C	Ø D	SW	WGT. Kgs
BDV-M22	60	51	M22	29	19	0,2
BDV-M28	60	51	M28	29	19	0,27
BDV-10	60	51	3/8"	40	19	0,18

AS-AS/F

CENTRIFUGAL AIR AND DIRT SEPARATORS FOR LIQUID SYSTEMS

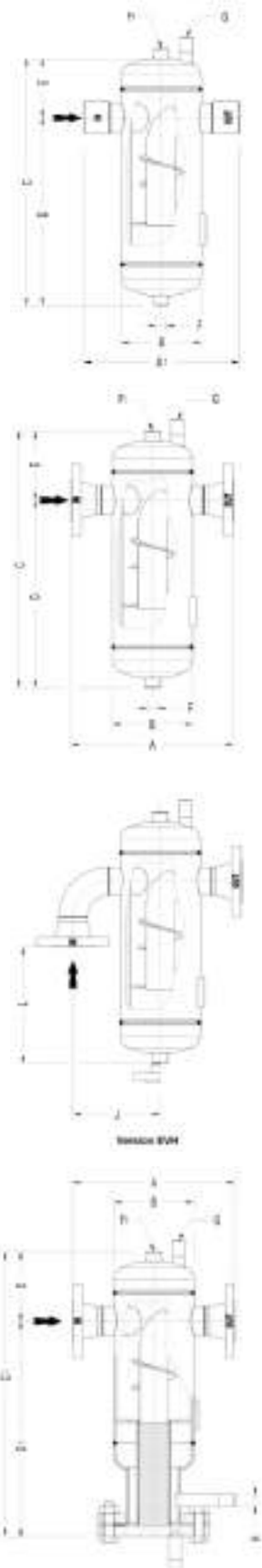
PN63

Da Ø1 1/4" a Ø2"
Da DN32 a DN300

- OPTIONS**
Galvanised and complete stainless steel construction.
- USE**
To remove air and dirt in hydronic heating, cooling and pumping systems.
- MODELS**
AS/S - carbon steel body.
AS/SZ - zinc plated body.
AS/SS - stainless steel body.
AS/SF - carbon steel with strainer.
- CONNECTIONS**
Female screwed ISO 7/1Rp(BS21).
Flanged EN 1092-1 or ANSI.
Special flanges upon request.

- INSTALLATION**
The AS separators should be installed at the highest temperature and lowest pressure points where solubility is lower. Ideally they should be installed after boilers or heat exchangers, before chillers and before pump suction.
Horizontal installation always with the drain discharge pointing downwards.
An ADCA AE series air eliminator is recommended to remove the air.

F	Drain connection
F1	Automatic air eliminator connection
G	Manual start up air drain connection
H	Strainer drain connection



LIMITING CONDITIONS AS/S **											
Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C
PN16	16	50	ANSI CL 150 lbs	16	50	PN25 ANSI CL 300lbs	25	50	PN40 ANSI CL 300lbs	40	50
	14	100		23	100		37	100			
	13	195		20	216		31	239			
	12	250		17	300		27	300			

LIMITING CONDITIONS AS/SS **											
Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C	Rating	Press. bar	Temp. °C
PN16	16	50	ANSI CL 150 lbs	16	50	PN25 ANSI CL 300lbs	25	50	PN40 ANSI CL 300lbs	40	50
	16	100		25	100		40	100			
	13	195		21	217		32	240			
	12	250		18	300		30	300			

Minimum operating temp.: -10°C. Design code: AD-Merblatt. ** Rating according to EN1092:2007.

CE MARKING - GROUP 2 LIQUIDS CATEGORIES								
RATING	SIZE	CAT.	RATING	SIZE	CAT.	RATING	SIZE	CAT.
PN16	DN32 to DN50	SEP	PN25	DN52 to DN250	SEP	PN40	DN32 to DN200	SEP
	-	-		DN200	1		DN250 to DN300	1

CE Marking: This product have been designed for use on water and other liquids which are in Group 2 of the European PED-Pressure Equipment Directive. In use it complies with those requirements. The product carries the CE mark when falling in category 1 and above.

FLANGE CONNECTIONS			
Rating	Sep. SIZE	EN STD.	ANSI STD.
PN16*	DN32 to DN50	EN1092-1 PN40	ANSI B16.5 Cl. 150 lbs
PN16	DN65 to DN300	EN1092-1 PN16	ANSI B16.5 Cl. 150 lbs
PN25	DN32 to DN150	EN1092-1 PN40	ANSI B16.5 Cl. 300 lbs
PN25	DN200 to DN300	EN1092-1 PN25	ANSI B16.5 Cl. 300 lbs
PN40	DN32 to DN300	EN1092-1 PN40	ANSI B16.5 Cl. 300 lbs

* Flanges EN 1092-1 PN16 and PN40 from DN32 to DN50 has the same number and size of holes.

MATERIALS	
DESIGNATION	MATERIAL
Body	EN10216-2 / P235GH / 1.0325
Heads	EN10028-2 / P235GH / 1.0425
Inlet / Outlet pipes	EN10216-2 / P235GH / 1.0325
EN Flanges	EN10222-2 / P250GH / 1.0460
ANSI flanges	ASTM A105 / 1.0432
Sockets	ASTM A105 / 1.0432
Internals	EN10025-2 / S235JR / 1.0038
Strainer	AISI304 / 1.4301

APPROXIMATE DIMENSIONS (mm)																		
FLANGED EN1092-1 - ANSI																		
SIZE DN	A1	A	A	A	A	A	B	C	C1	D	D1	E	F	F1	G	H	VOL. * dm3	WGT ** Kg
32	263	260	260	290	290	306	140	395	495	265	385	110	3/4"	1/2"	1/2"	3/4"	6	13
40	263	260	260	290	294	307	140	435	535	325	425	110	3/4"	1/2"	1/2"	3/4"	6,7	14,3
50	322	310	310	310	341	354	168	595	695	385	485	120	3/4"	1/2"	1/2"	3/4"	11,7	21
65	-	380	394	394	430	442	218	550	670	410	530	140	1"	3/4"	3/4"	1"	19,8	31,5
80	-	400	418	418	440	459	219	610	730	462	582	148	1"	3/4"	3/4"	1"	27	40
100	-	485	511	511	533	583	273	715	835	528	648	187	1 1/4"	3/4"	3/4"	1 1/4"	36	59,8
125	-	535	561	561	605	622	324	845	965	630	790	215	1 1/4"	1"	1"	1 1/4"	54	84
150	-	565	605	605	635	652	356	952	1131	692	841	290	1 1/2"	1"	1"	1 1/2"	79	161
200	-	665	641	657	695	703	406	1179	1320	880	1030	290	1 1/2"	1"	1"	1 1/2"	146	202
250	-	720	756	790	794	815	508	1540	1710	1140	1310	400	1 1/2"	1"	1"	1 1/2"	288	330
300	-	840	868	914	913	944	610	1700	1870	1172	1342	526	1 1/2"	1"	1"	1 1/2"	412	475

* Volume correspond to the class PN16 AS/F design. Classes PN25 and above may have slightly low er volumes.

** Weight correspond to the class PN16 design.

F, F1, H - screw at drain connection standard. Alternatively can be supplied flanged EN1092-1 or ANSI on the same class of main dimension. Consult factory for certified dimensions. Dimensions subject to change without notice.