



AIR AND GAS FLOAT TRAPS FA25.1

(SG iron ; 1" - DN 25)

DESCRIPTION

The ADCA FA25.1 is a series of fully automatic ball float traps specially designed for condensate drainage in compressed air and gas systems.

Typical applications include aftercoolers, separators and compressed air mains.



Modulating discharge.

Unaffected by sudden or wide load and pressure variations.

Flow direction can be easily changed by repositioning the body in relation to the mechanism and cover.

OPTIONS: Metal to metal sealing.

Equalizing (vent) and drain connections.

BDV – Blowdown valve. AFZ – Anti-freeze device. FLL – Float lifting lever.

USE: Compressed air and other non corrosive gases

compatible with the construction.

AVAILABLE

MODELS: FA25.1-4,5, 10 and 14 – SG iron.

SIZES: 1"; DN 25.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.

Flanged EN 1092-1/-2 PN 16.

Flanged ASME B16.42/B16.5 Class 150.

INSTALLATION: Inline horizontal or vertical installation.

Angled horizontal or vertical installation.

See IMI - Installation and maintenance

instructions.

ΔPMX: FA25.1-4,5 – 4,5 bar

FA25.1-10 - 10 bar FA25.1-14 - 14 bar







CE MARKING – GROUP 2 (PED – European Directive)							
PN 16	Category						
1" – DN 25	SEP						

BODY LIMITING CONDITIONS									
FLANGED PN 16 *	FLANGED CLASS 150 **	DELATED TEMPERATURE							
ALLOWABLE PRESSURE	ALLOWABLE PRESSURE	RELATED TEMPERATURE							
16 bar	16 bar	100 °C							
15,5 bar	14,8 bar	150 °C							
14,7 bar	13,9 bar	200 °C							
13,9 bar	12,1 bar	250 °C							

PMO – Maximum operating pressure: 14 bar; TMO – Maximum operating temperature: FPM / Viton valve sealing: 200 °C. Metal to metal sealing: 250 °C; Minimum liquid specific weight: 0,75 kg/dm³.

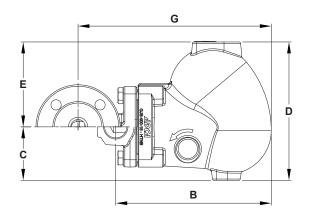
* According to EN 1092-2:2018; ** According to ASME B16.42.

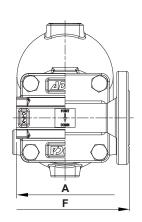


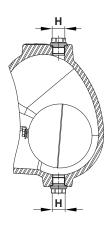




	FLOW RATE CAPACITY (kg/h)												
MODEL	SIZE		DIFFERENTIAL PRESSURE (bar)										
MODEL		0,5	1	1,5	2	4,5	7	10	12	14			
FA25.1-4,5	1" – DN 25	941	1330	1630	1882	2823	_	_	_	_			
FA25.1-10	1" – DN 25	597	845	1035	1195	1793	2237	2674	-	_			
FA25.1-14	1" – DN 25	455	644	788	910	1366	1704	2036	2231	2409			



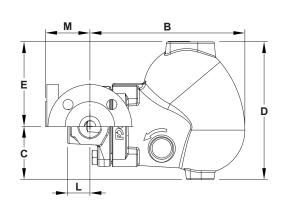


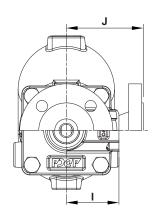


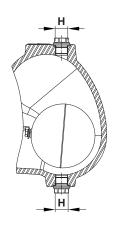
Inline design

	DIMENSIONS – INLINE DESIGN (mm)												
	THREADED								PN 16		CLASS 150		
SIZE	Α	В	С	D	E	H *	WEIGHT (kg)	F	G	WEIGHT (kg)	F	G	WEIGHT (kg)
1" – DN 25	120	212	73	189	116	3/8"	8,9	160	264	12	160	264	11,9

^{*} As standard, in versions with EN flanges or female ISO 7 Rp threads, these connections are female threaded ISO 228. In versions with ASME flanges or female NPT threads, these connections are female threaded NPT.







Angled design

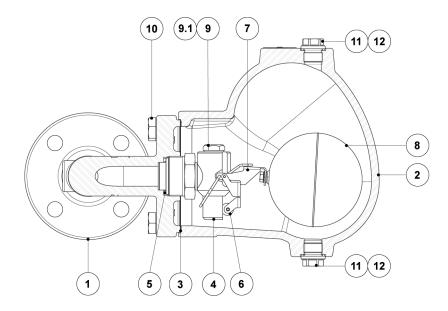
DIMENSIONS – ANGLED DESIGN (mm)														
	THREADED									PN 16		CLASS 150		
SIZE	В	С	D	E	H *	I	L	WEIGHT (kg)	J	М	WEIGHT (kg)	J	М	WEIGHT (kg)
1" – DN 25	212	73	189	116	3/8"	65	31	8,4	95	61	11	100	66	10,5

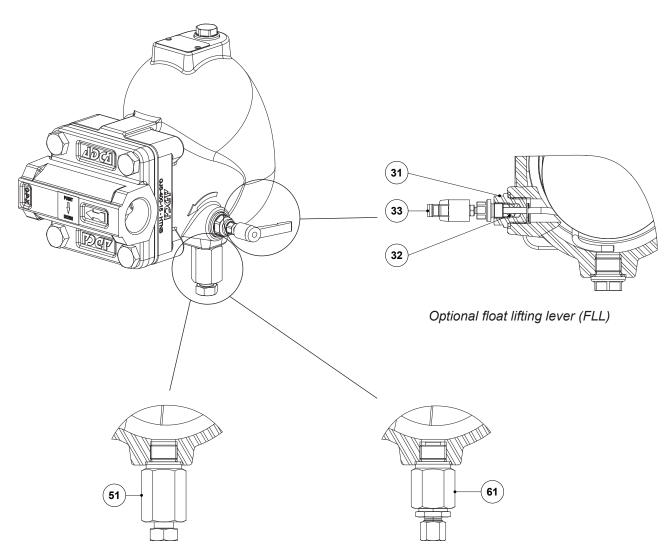
^{*} As standard, in versions with EN flanges or female ISO 7 Rp threads, these connections are female threaded ISO 228. In versions with ASME flanges or female NPT threads, these connections are female threaded NPT.





MATERIALS





Optional blowdown valve (BDV); Manual

Optional anti-freeze device (AFZ);
Automatic

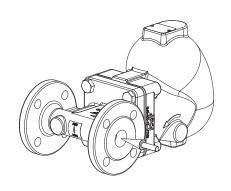




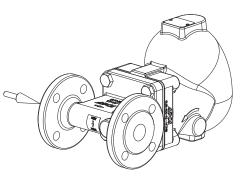
MATERIALS							
POS. Nº	DESIGNATION	MATERIAL					
	Body (inline flanged)	GJS-400-15 / 0.7040					
1	Body (inline threaded)	P250GH / 1.0460					
	Body (angled)	P250GH / 1.0460					
2	Cover	GJS-400-15 / 0.7040					
3	* Gasket	Stainless steel / Graphite					
4	* Seat	AISI 303 / 1.4305					
5	* Gasket	Copper					
6	* Valve ball	AISI 316 / 1.4401; Viton					
7	* Lever	AISI 304 / 1.4301					
8	* Float	AISI 304 / 1.4301					
9	Plug	AISI 316L / 1.4404					
9.1	Gasket	Copper					
10	Bolt	Zinc plated steel					
11	Plug	AISI 316L / 1.4404					
12	** Gasket	Copper; AISI 304 / 1.4301					
31	Lever mechanism	AISI 303 / 1.4305; AISI 304 / 1.4301; AISI 316L / 1.4404					
32	Packing	Graphite					
33	Lever	Plastic					
51	Blowdown valve	AISI 303 / 1.4305; AISI 316L / 1.4404					
61	Anti-freeze device	AISI 303 / 1.4305; AISI 316L / 1.4404					

^{*} Available spare parts; ** Not applicable in NPT version.

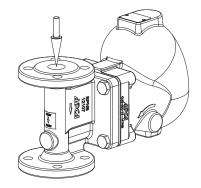
FLOW DIRECTION



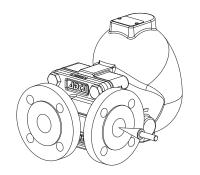
IR - Horizontal from right to left



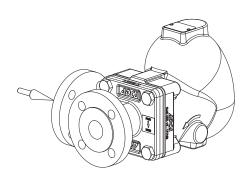
IL - Horizontal from left to right



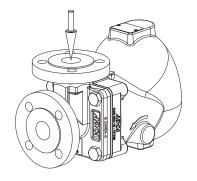
IT - Vertical from top to bottom



AR - Angled from right to front



AL - Angled from left to front



AT - Angled from top to front







ORDERING CODES FA25.1										
Model	FA251	2	٧	XX	Х	IR	Α	25		
FA25.1 – SG iron	FA251									
Maximum allowable differential pressure (ΔPMX)										
4,5 bar		2								
10 bar		3								
14 bar		4								
Valve sealing										
FPM / Viton (standard)			٧							
Metal to metal			M							
Cover connections										
None				XX						
3/8" threaded connections on top and bottom, closed with plugs (mandatory if an	y options are	consid	ered)	10						
Options										
If any, these have specific separate ordering codes, please refer to the appropr	iate docume	ntation								
FLL - Float lifting lever										
None					Х					
Lifting lever on the right side (when facing the steam trap body)					R					
Lifting lever on the left side (when facing the steam trap body)					L					
Flow direction										
Inline horizontal from right to left (standard)						IR				
Inline horizontal from left to right						IL				
Inline vertical from top to bottom						IT				
Angled from right to front						AR				
Angled from left to front						AL				
Angled from top to front										
Pipe connections										
Female threaded ISO 7 Rp							Α			
Female threaded NPT							C L			
Flanged EN 1092-1/-2 PN 16										
Flanged ASME B16.42 / B16.5 Class 150							U			
Size										
1" or DN 25								25		
Special construction / Addition		6								
A full description must to be provided and validated in case of a non-standard of	construction								E	