

AIR AND GAS FLOAT TRAPS FA25.1 (SG iron ; 1" – DN 25)

DESCRIPTION

The 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.

MAIN FEATURES

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.

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

SIZES: 1"; DN 25.

AVAILABLE

- 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.
- MAX. ΔP: FA25.1-4,5 - 4,5 bar FA25.1-10 - 10 bar FA25.1-14 - 14 bar







BODY LIMTING CONDITIONS								
FLANGED PN 16 * ALLOWABLE PRESSURE	FLANGED CLASS 150 ** ALLOWABLE PRESSURE	RELAT. TEMP.						
16 bar	16 bar	100 °C						
15,5 bar	14,8 bar	150 °C						
14,7 bar	200 °C							
13,9 bar	12,1 bar	250 °C						
PMO – Max. operati	ng press.: 14 bar; TM	O – Maximum						

operating temperature: FPM / Viton valve sealing: 200 °C. Metal to metal sealing: 250 °C. Min. liquid specific weight: 0,75 kg/dm³. * Acc. to EN 1092-2:2018; ** Acc. to ASME B16.42.

CE MARKING – GROUP 2 (PED – European Directive)PN 16Category1" – DN 25SEP

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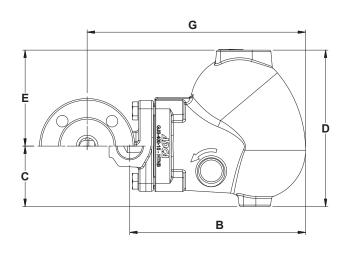
2231

				FLOW RATE		(kg/h)				
MODEL	017E				DIFFEREN	ITIAL PRESS	SURE (bar)			
MODEL	SIZE	0,5	1	1,5	2	4,5	7	10	12	
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	_	

910

1366

788



455

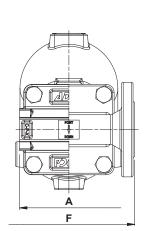
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1" – DN 25

LRQ/

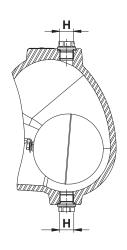
ISO 9001

FA25.1-14



1704

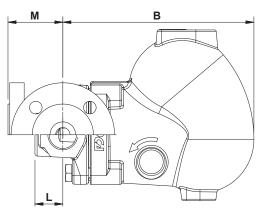
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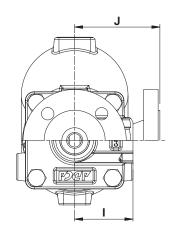


14 --

2409

Inline design





Angled design

	DIMENSIONS (mm) – INLINE DESIGN												
THREADED PN 16 CLASS 1								CLASS 15	0				
SIZE	А	В	С	D	E	Н*	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

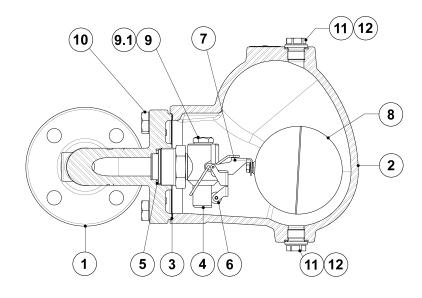
	DIMENSIONS (mm) – ANGLED DESIGN													
THREADED								PN 16		CLASS 150				
SIZE	В	С	D	E	H *	I	L	WGT. (kg)	J	м	WGT. (kg)	J	М	WGT. (kg)
1" – DN 25	212	73	189	116	3/8"	65	31	8,4	95	61	11	100	66	10,5

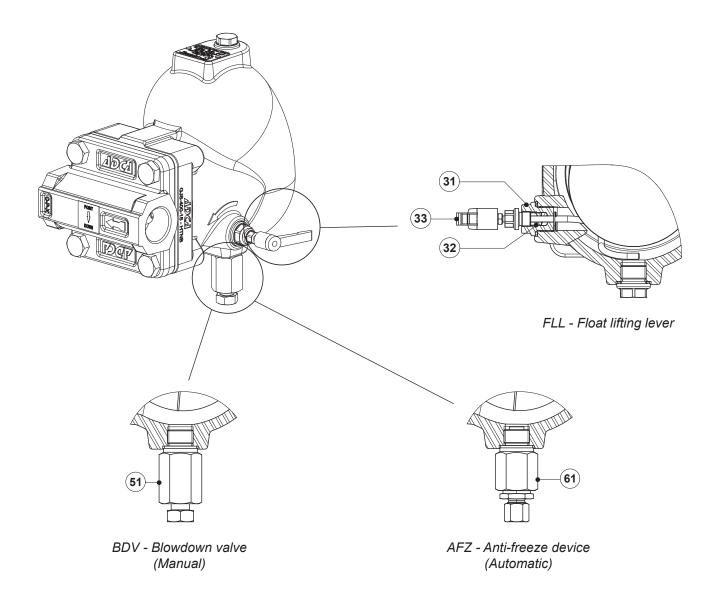
* As standard, in versions with EN flanges or female ISO 7 Rp threads, these connections are female threaded ISO 228. In versions with ASME flanges or female NPT threads, these connections are female threaded NPT.

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MATERIALS





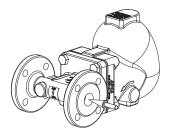
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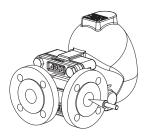
	MATERIALS	3						
POS. Nº	DESIGNATION	MATERIAL						
	Body (inline flanged)	GJS-400-15 / 0.7040						
1	Body (inline threaded)	P250GH / 1.0460						
	Body (angled)	P250GH / 1.0460						
2	Cover	GJS-400-15 / 0.7040						
3	* Gasket	Stainless steel / Graphite						
4	* Seat	AISI 303 / 1.4305						
5	* 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	Bolts	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.

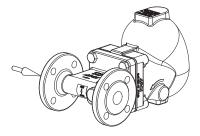
FLOW DIRECTION



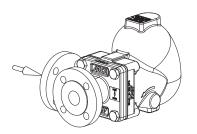
IR - Horizontal from right to left



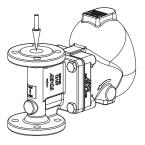
AR - Angled from right to front



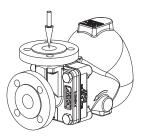
IL - Horizontal from left to right



AL - Angled from left to front



IT - Vertical from top to bottom



AT - Angled from top to front

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ORDERING CODES	FA25.1								
Model	FA251	2	v	XX	Х	IR	Α	25	
FA25.1	FA251								
Differential pressure									
4,5 bar		2							
10 bar		3							
14 bar		4							
Valve sealing		,							
FPM / Viton (standard)			v						
Metal to metal			М						
Cover connections									
None				XX					
3/8" threaded connections on top and bottom, closed with plugs (mandatory if any options are considered)				10					
Options									
If any, these have specific separate ordering codes, please refer to the appropri	ate 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									
Angled from top to front									
Pipe connections									
Female threaded ISO 7 Rp							Α		
Female threaded NPT							С		
Flanged EN 1092-1/-2 PN 16							L		
Flanged ASME B16.42 / B16.5 Class 150									
Size									
1" or DN 25								25	
Special valves / Extr	as								
Full description or additional codes have to be added in case of a non-standard	combinatio	n							Е

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