BALANCED PRESSURE THERMOSTATIC STEAM TRAP MODEL FL21/FL32 QuickTrap. **CARBON STEEL**

UNIVERSAL BALANCED PRESSURE THERMOSTATIC TRAP WITH "FAIL OPEN" DESIGN

Features

Inline replaceable and cleanable two-bolt universal flange steam trap with high air venting capability. For steam mains, tracers, dryers and heaters.

- 1. Two-bolt flange connector permits trap replacement or cleaning in minutes without disturbing piping.
- Universal flange allows trap to be positioned in the correct attitude, regardless of pipeline configuration. 2.
- 3. Patented "fail open" feature for critical service.
- 4. Rugged yet light construction withstands superheat and water hammer.
- 5. Cyclic operation with fixed subcooling throughout the whole pressure range.
- 6. Built-in screens in connector and trap body protect and keep trap module replacement costs low.
- 7. Easily cleanable and repairable design.
- 8. Hardened stainless steel valve head and seat.
- 9. Models FL21-C and FL32-C with built-in check valve available upon request.

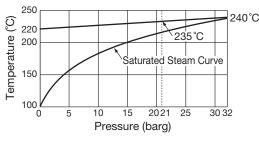
Pressure Equipment Directive (PED)

Classification according to PED 2014/68/EU, fluid group 2

Size	Category	CE marking			
DN 15 to DN 25	*	Art. 4, Sec. 3 (sound engineering practice), CE marking not allowed			
* Manufactured in accordance with sound engineering practice					

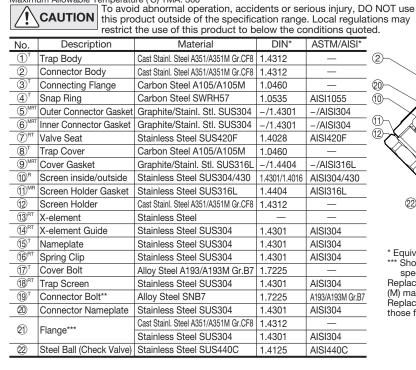
Specifications

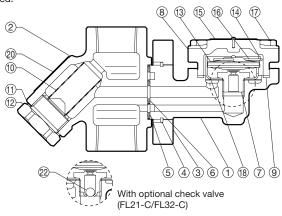
Model	FL21	FL32			
Connection	Screwed, Socket Welded, Flanged				
Size	¹ / ₂ ", ³ / ₄ ", 1" / DN 15, 20, 25				
Max. Operating Pressure (barg) PMO	21	32			
Min. Operating Pressure (barg)	0.1				
Maximum Back Pressure	90% of inlet pressure				
Max. Operating Temp. (°C) TMO see graph at right					
Subcooling of X-element Fill (°C)	up 1	to 6			
Type of X-element	C6				
Connector Unit	F46				
Trap Unit	L21*	L32*			



Designed for use with the F46, F32 Connector Units and V1/V2 Trap Stations. 1 bar = 0.1 MPa Trap and Connector Units sent as separate units for flexible installation. PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS):

Maximum Allowable Pressure (barg) PMA: 32 Maximum Allowable Temperature (C) TMA: 300





* Equivalent materials ** Shown on reverse

Shown on reverse, shape and material depend on flange specifications

Replacement kits available: (M) maintenance parts, (R) repair parts, (T) trap unit L21/L32 Replacement parts for former connector body F32 differ from those for F46.

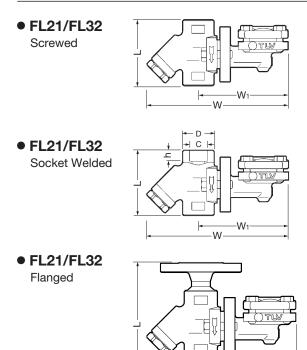
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Dimensions



W

FL21/FL32 Screwed*

(mm)

(mm)

Size	L	W	W1	Weight (kg)
1/2" 3/4"	80	169	105	1.8
1″	96	171	109	2.1

* BSP DIN 2999, other standards available

FL21/FL32 Socket Welded*							(mm)
DN	L	W	W1	φD	φC	h	Weight (kg)
15		100	105		21.8	12	1.0
20 80	169 105	36	27.2	14	1.8		
25	96	171	109	44	33.9	14	2.1

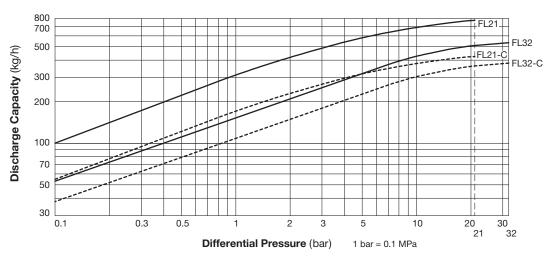
* ASME B16.11-2005, other standards available

FL21/FL32 Flanged

DN	DIN 2501	w	W1	Weight* (kg)			
	PN25/40	150RF	300RF	600RF			(KY)
15	150	150	150	180	169	105	3.4
20							4.3
25	160	160	160	190			4.8

Other standards available, but length and weight may vary * Weight is for DIN PN 25/40

Discharge Capacity



1. Differential pressure is the difference between the inlet and outlet pressure of the trap. 2. Recommended safety factor: at least 2.





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(M)

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