BALANCED PRESSURE THERMOSTATIC STEAM TRAP

MODELS L21S/L32S

BALANCED PRESSURE THERMOSTATIC TRAP WITH "FALL-OPEN" DESIGN

Features

TLV

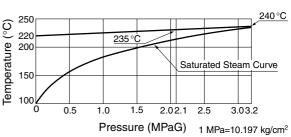
Forged steel thermostatic trap suitable for a wide range of applications, including steam mains, tracing, dryers and heaters.

- 1. "Fail open" feature will not hold back condensate in the steam space.
- 2. Rugged, yet light construction, withstands superheat and water hammer.
- 3. Cyclic operation with fixed subcooling throughout the whole pressure range.
- 4. Outstanding air venting capability.
- 5. Compact, yet with high capacity.
- 6. Easy to clean and maintain.
- 7. Hardened stainless steel valve seat.
- 8. Built-in screen with large surface area.
- 9. Models L21SC/L32SC with built-in check valve are available upon request.



Specifications

Model		L21S	L32S	
Connection		Screwed, Socket, Welded, Flanged		
Size (mm)	15, 20, 25			
Max. Operating Press. (MPaG)	PMO	2.1	3.2	
Min. Operating Press. (MPaG)	0.01			
Maximum Back Pressure	90% of Inlet Pressure			
Max. Operating Temp. (°C)	TMO	see graph at right		
Subcooling of Capsule Fill (°C)	up to 6			
Type of X-element	В			



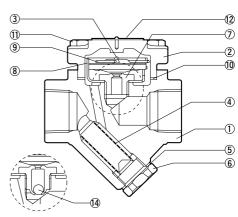
PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 3.2 Maximum Allowable Temperature (°C) TMA: 300



To avoid abnormal operation, accidents or serious injury, do not use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

No.	Description	Material	JIS	ASTM/AISI*	
1	Body	Carbon Steel	—	A105	
2	Cover	Carbon Steel	—	A105	
(3) ^R	X-element	Stainless Steel	—	—	
(4) ^R	Screen inner/outer	Stainless Steel	SUS304/430	AISI304/430	
(5) ^{MR}	Screen Holder Gasket	Soft Iron	SUYP	AISI1010	
6	Screen Holder	Carbon Steel	—	A105	
\mathcal{D}^{R}	Valve Seat	Stainless Steel	SUS420F	AISI420F	
(8) ^R	X-element Guide	Stainless Steel	SUS304	AISI304	
(9) ^R	Spring Clip	Stainless Steel	SUS304	AISI304	
10 ^{MR}	Cover Gasket	Stainl. Steel./Graphite	SUS316L	AISI316L	
1	Cover Bolt	Carbon Steel	S45C	AISI1045	
(12)	Nameplate	Stainless Steel	SUS304	AISI304	
13	Flange**	Carbon/Cast Steel	_	A105/A216 Gr. WCB	
(14) ^R	Check Valve Ball	Stainless Steel	SUS440C	AISI440C	

* Equivalent ** Shown overleaf, shape and material depend on flange specifications Replacement kits available: (M) maintenance parts, (R) repair parts

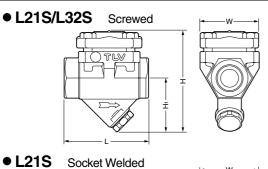


With optional Check Valve

TLV

Consulting & Engineering Service

Dimensions



Flanged

L21S/L32S			Screwed*			(mm)	
	Size	L	Н	H1	W	Weight (kg)	
	15	80	97	52		1.3	
	20	00	97	52	56	1.5	
	25	88	104	55		1.8	

* Rc(PT), other standards available

L	219	(mm)								
5	Size	L	Н	H1	W	D	С	h	Weight (kg)	
	15	00	00	97	52		30	22.2	12	10
	20	80	97	52 5	52 56	36	27.7	14	1.3	
	25	88	104	55		44	34.5	14	1.8	

L21S/		(mm)				
Size ASME Class				н	H1	Weight* (kg)
	150RF	300RF	600RF			
15	140	140	140	97	52	2.9
20	165	165	165	51		3.9
25	210	210	210	104	55	4.7

Other standards available, but length and weight may vary * Weight is for class 300 RF

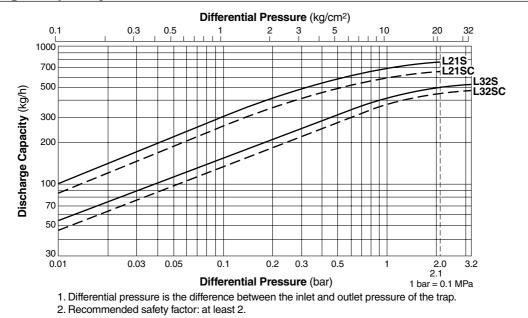
Manufacturer

Kakogawa, Japan is approved by LRQA Ltd. to ISO 9001/14001

® CO., LTD.

Discharge Capacity

• L21S/L32S



Copyright © TLV

http://www.tlv.com

SDS M2012-04 Rev. 9/2005 Specifications subject to change without notice.

ISO 9001/ISO 14001