

SLTT - 85 Thermodynamic Steam Trap

SLTT - 85 is Thermodynamic Steam Trap in Alloy Steel construction with maintainable seat & integral strainer design.



Unique Features

- Maintainable seat design
- Oxidation free heat treatment (Vaccum) for seat & disc
- Inbuilt strainer design for ease of maintenance
- Functional test 100% on steam

CONDENSATE DISCHARGE CAPACITY

Differential Pressure bar (g)	Kg / hr
8	261
16	326
24	353
32	381
40	399
48	417
56	432
65	445

SIZE

15 NB, 20 NB

PIPE CONNECTIONS

Screwed: BSP, BSPT, NPT

Socket Weld

Flanged: ASA 150, ASA 300, ASA 600

(Weld on)

DESIGN CONDITIONS

- Max. allowable pressure (PMA) 65 bar (g)
- Max. allowable temp (TMA) 510°C
- Minimum inlet pressure required 8 bar (g)
- Back pressure should not exceed 80% of the inlet pressure
- Cold hydraulic test pressure 150 bar (g)

CERTIFICATION

IBR approval / En 10204-3.1

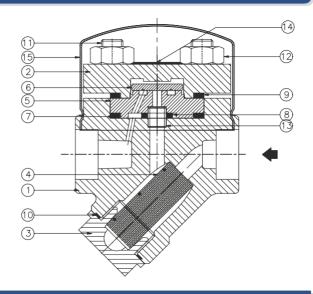
Installation

- SLTT 85 can be installed both vertically as well as horizontally with the pipe line.
 Recommended is, trap installation in a horizontal pipe with insulating cover at top.
- Cover nut checking & hot tightening is required after 24 hours of trap operation.
- Isolation valve at up stream & down stream of trap should be installed for ease of maintenance.
- Slow opening of isolation valve is recommended to avoid system shock.
- Ensure proper flushing of line before installation.





CONSTRUCTION



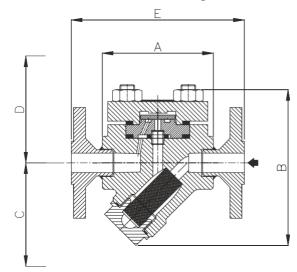
PART LIST

No. Part Name Material Qty 1 Body ASTM A 217 Gr. WC 6 1 2 Top cover ASTM A 217 Gr. WC 6 1 3 Strainer cap ASTM A 217 Gr. WC 6 1 4 Strainer screen AISI 304 100 Mesh 1 5 Seat ASTM A 681 Gr. D2 1 6 Disc ASTM A 681 Gr. D2 1 7 Seat gasket lower - 1 Spiral wound AISI 304 with graphite 1 8 Seat gasket lower - 2 Spiral wound AISI 304 with graphite 1 9 Seat gasket upper Spiral wound AISI 304 with graphite 1 10 Strainer cap gasket Reinforced exfoliated graphite 1 11 Stud ASTM A 193 Gr. B7 4 12 Nut ASTM A 194 Gr. 2H 4 13 Centre locator AISI 304 1 14 Name plate AISI 304 1 15 Insulation Cover AISI 304 1					
1 Body Gr. WC 6 2 Top cover ASTM A 217 Gr. WC 6 3 Strainer cap ASTM A 217 Gr. WC 6 4 Strainer screen AISI 304 100 Mesh 5 Seat ASTM A 681 Gr. D2 6 Disc ASTM A 681 Gr. D2 7 Seat gasket lower - 1 Spiral wound AISI 304 with graphite 8 Seat gasket lower - 2 Spiral wound AISI 304 with graphite 9 Seat gasket upper Spiral wound AISI 304 with graphite 10 Strainer cap gasket Spiral wound AISI 304 graphite 11 Stud ASTM A 193 Gr. B7 12 Nut ASTM A 194 A Gr. 2H 13 Centre locator AISI 304 1 14 Name plate AISI 304 1	No.	Part Name	Material		
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Strainer cap		body	Gr. WC 6		
Strainer cap	2	Top cover	ASTM A 217		
3 Strainer cap Gr. WC 6 4 Strainer screen AISI 304 100 Mesh 1 5 Seat ASTM A 681 Gr. D2 1 6 Disc ASTM A 681 Gr. D2 1 7 Seat gasket lower - 1 Spiral wound AISI 304 with graphite 1 8 Seat gasket lower - 2 Spiral wound AISI 304 with graphite 1 9 Seat gasket upper Spiral wound AISI 304 with graphite 1 10 Strainer cap gasket Reinforced exfoliated graphite 1 11 Stud ASTM A 193 Gr. B7 4 12 Nut ASTM A 194 Gr. 2H 4 13 Centre locator AISI 304 1 14 Name plate AISI 304 1		100 00101			
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100 Mesh ASTM A 681 Gr. D2 1	4	Strainer screen		1	
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15 Insulation Cover AISI 304 1	14	Name plate	AISI 304	1	
	15	Insulation Cover	AISI 304	1	

^{**} Note - Insulation cover is optional

DIMENSIONS

Screwed, Socket weld & Flanged connection



Screwed / Socket weld

SI	.TT - 85	Α	В	С	D	Wt.
15	5,20 NB	90	127	95	80	2.3 kg

Flanged

Model	Class	Size	Е	Wt. (Approx)
SLTT - 85	# 150	15 NB	170	3.4 kg
		20 NB	174	3.9 kg
	# 300	15 NB	180	4.2 kg
		20 NB	184	5.2 kg
	# 600	15 NB	192	4.3 kg
		20 NB	196	5.6 kg

SPARE PARTS

- Seat & Disc Assembly (set P. No. 5,6,7,8,9,13)
- Strainer screen (set of 5)
- Strainer cap gasket (Set of 5)
- Insulation cover (Set of 3)

How to Order

Ex. SLTT - 85 alloy steel steam trap, 15NB socket weld connection, IBR.

Steamlok Engineering Pvt. Ltd.

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