# TUV. FREE FLOAT. STEAM TRAP MODEL SH6NL/SH6NH

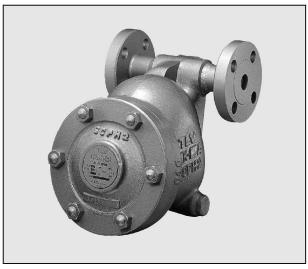
HIGH-PRESSURE FREE FLOAT AND THERMOSTATIC STEAM TRAP WITH THREE-POINT SEATING

### **Benefits**

# Inline repairable trap with tight shut-off for drainage of superheated or high-pressure steam mains, equipment, and turbines.

- 1. Self-modulating free float provides continuous, smooth, low-velocity condensate discharge.
- 2. Constant water seal and unique rotational seating design prevents concentrated wear to ensure long life.
- 3. Three-point seating ensures steam-tight seal, even under no-load conditions.
- 4. Easy, inline access to internal parts to simplify cleaning and lower maintenance costs.
- Rugged float construction with up to 1600 or 2300 psig\* hydraulic shock rating ensures excellent resistance to water hammer.
- Durable thermostatic air vent for exceptionally fast start-up.

7. Built-in screen for extended trouble-free service. \*Depending on orifice no.



### Specifications

Model	SHE	SNL	SH6NH		
Connection		Socket Weld	Flanged	Socket Weld	
Size (in)		1	1	<sup>3</sup> ⁄4 <b>, 1</b>	
Orifice No.		46,	65	100	
Maximum Operating Pressure (psig)	PMO	650, 925		1500	
Maximum Differential Pressure (psi)	ΔPMX	650,	925	1500	
Minimum Operating Pressure (psig)		1.	5	1.5	
Maximum Operating Temperature (°F)	TMO	80	00	800	
Maximum Allowable Pressure (psig)	PMA	92	25	1500	
Maximum Allowable Temperature (°F)	TMA	80	00	800	
To avoid abnormal op	eration a	ccidents or serious iniur	DO NOT use	Connections and sizes in bold are standard	



**ON** 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.

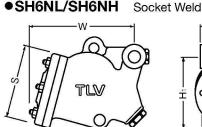
No.	Descripti	on	Material	ASTM/AISI*	JIS
1	Body		Cast Steel	A216 Gr.WCB	-
2	Cover		Cast Steel	A216 Gr.WCB	
3 <sup>MR</sup>	Cover Gasket	SH6NL	Graphite/Stainless Steel	- /AISI316L	- /SUS316L
	Cover Gasket	SH6NH	Graphite/Stainless Steel	- /AISI304	- /SUS304
(4)F	Float		Stainless Steel	AISI316L	SUS316L
(5) <sup>R</sup>	Orifice				]
(6) <sup>MR</sup>	Orifice Ocelet	SH6NL	Graphite/Stainless Steel	- /AISI316L	- /SUS316L
0	Orifice Gasket	SH6NH	Graphite/Stainless Steel	- /AISI316	- /SUS316
(7) <sup>R</sup>	Air Vent Strip		Bimetal	3	]
(8) <sup>R</sup>	Screw & Spring	Washer	Stainless Steel	AISI304	SUS304
9	Cover Bolt		Alloy Steel	A193 Gr.B7	SNB7
10	Cover Nut		Carbon Steel	AISI1045	S45C
11 <sup>R</sup>	Screen		Stainless Steel	AISI430	SUS430
12	Screen Holder		Cast Stainless Steel	A743 Gr.CA40	SCS2A
13 <sup>MR</sup>	Screen Holder	Gasket	Soft Iron	AISI1010	SUYP
14	Orifice Plug		Cast Stainless Steel	A351 Gr.CF8	
15 <sup>MR</sup>	Orifice Plug Ga	asket	Soft Iron	AISI1010	SUYP
16	Flange		Carbon/Cast Steel***	A105/216 Gr.WCB	
$\mathbf{I}$	Socket**		Carbon Steel	A105	
18	Nameplate		Stainless Steel	SUS304	

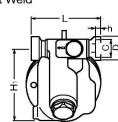
\*Equivalent \*\*Not shown \*\*\*Material depends on flange specifications Replacement kits available: (M) maintenance parts, (R) replacement parts, (F) float

## TLV

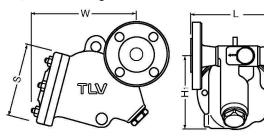
## **Consulting & Engineering Service**

### Dimensions





•SH6NL Flanged



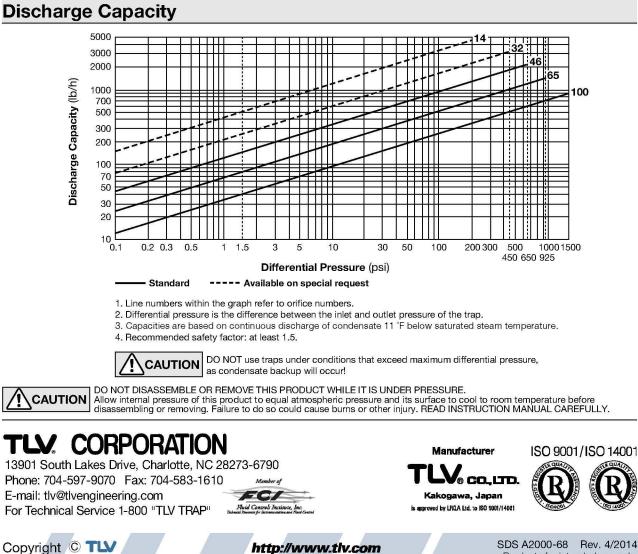
#### SH6NL/SH6NH Socket Weld\*

	SH6NL/SH6NH Socket Weld*									(in)
	Model	Size	L	Hi	W	S	φD	φC	h	Weight (lb)
	SH6NL	1	7	7 <sup>1</sup> /8	10 <sup>1</sup> /8	7 <sup>1</sup> /16	2	1.330	<sup>9</sup> /16	46
	SH6NH	<sup>3</sup> / <sub>4</sub> 1 7	71/2	11½	<b>8</b> ¼16	1 <sup>3</sup> ⁄4	1.065	<sup>9</sup> /16	66	
						21/8	1.330		68	

\*ASME B16.11-2005, other standards available

SH6N	LI	Flanged						(in
Model Si			Hi	w	S	Weight* (Ib)		
	Size	Connect						
		150RF	300RF	600RF				()
SH6NL	1	<b>8</b> <sup>3</sup> /4	<b>8</b> <sup>3</sup> /4	<b>8</b> <sup>3</sup> /4	7 <sup>1</sup> /8	10 <sup>1</sup> /8	7 <sup>1</sup> /16	51

Other standards available, but length and weight may vary \*Weight is for Class 600RF



Products for intended use only. Specifications subject to change without notice.

(M)