TLV. FREE FLOAT. STEAM TRAP MODEL SS5

STAINLESS STEEL FREE FLOAT STEAM TRAP WITH THREE-POINT SEATING AND THERMOSTATIC AIR VENTING

Benefits

Maintenance-free stainless steel steam trap for steam mains, tracer lines and small-to-medium process applications.

- 1. All-welded, maintenance-free construction.
- 2. Free float's unique rotational seating design prevents concentrated wear to ensure long life.
- 3. Precision-ground float, three-point seating and constant water seal ensure steam-tight seal, even under no-load conditions.
- 4. Rugged float construction with up to 1740 or 2300 psig* hydraulic shock rating ensures excellent resistance to water hammer.
- 5. Durable thermostatic air vent automatically vents air for exceptional start-up and performance.
- 6. Extremely soft near-to-steam temperature discharge for safety and environmental considerations.
- 7. Built-in screen for extended trouble-free service.

* Depending on orifice number

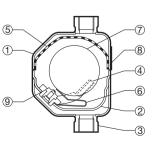


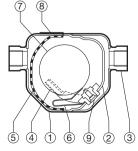
Specifications

Model	SS5N SS5V		SS5NH		SS5VH	
Installation	Horizontal	Vertical	Horizontal		Vertical	
Connection	Screwed	Socket Weld	Screwed Socket Weld		Screwed	Socket Weld
Size (in)	¹ / ₂ , ³ / ₄ , 1	¹ / ₂ , ³ / ₄ , 1	¹ / ₂ , 3/ ₄ , 1		¹ / ₂ , ³ / ₄ , 1	
Orifice No.	10, 32		46			
Maximum Operating Pressure (psig) PMO	150, 450		650			
Maximum Differential Pressure (psi) △PMX	150, 450		650			
Minimum Operating Pressure (psig)	1.5		1.5			
Maximum Operating Temperature (°F) TMO	800		800			
Maximum Allowable Pressure (psig) PMA	650		650			
Maximum Allowable Temperature (°F) TMA	800 800			00		

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	ASTM/AISI	JIS
1	Body	Stainless Steel	A240 Type 316L	—
2	Inner Cover	Stainless Steel	A240 Type 316L	—
3	Socket	Cast Stainl. Stl.	A351 Gr.CF8	—
(4)	Float Guide	Cast Stainl. Stl.	A351 Gr.CF3M	—
(5)	Screen	Stainless Steel	AISI304*	SUS304
6	Air Vent Strip	Bimetal	_	—
$\overline{0}$	Float	Stainless Steel	AISI316L*	SUS316L
8	Nameplate	Stainless Steel	AISI304*	SUS304
9	Orifice			_





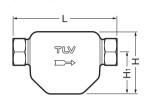
Connections and sizes in bold are standard

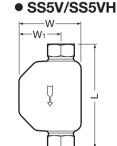
* Equivalent

TLV

Dimensions

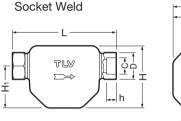
SS5N/SS5NH Screwed





	SS5N/SS5NH/SS5V/SS5VH Screwed*							
	Model	Size	L	φH/W	H1/W1	Weight (lb)		
	SS5N SS5V	1/2	6 ¹ /8		2 ¹³ /16	3.1		
		3/4	7 ³ / ₁₆	4 ¼/8		3.5		
_		1	7 ⁵ /8			4.0		
	SS5NH SS5VH	1/2	6 ⁵ / ₁₆			3.3		
		3/4	7 ³ /8	4 ¹ / ₄	2 ⁷ /8	3.7		
		1	713/16			4.2		

* NPT, other standards available



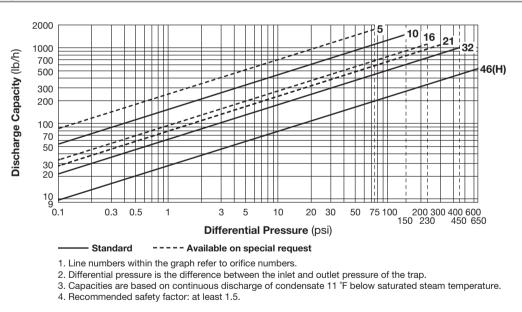
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SS5N/SS5NH/SS5V/SS5VH Socket Weld*								

Model	Size	L	ΦH/W	H1/W1	φD	φC	h	Weight (lb)
SS5NH SS5VH	1/2	6 ⁵ / ₁₆	4 ¹ / ₄	2 7/8	1 ³ / ₁₆	0.855	1/2	3.3
	3/4	7 ³ /8			1 ⁷ / ₁₆	1.065	9/16	3.7
	1	7 ¹³ / ₁₆			1 3/4	1.330		4.2

* ASME B16.11-2005, other standards available

Discharge Capacity



DO NOT use this product under conditions that exceed maximum CAUTION differential pressure, as condensate backup will occur!



DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE. Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY.

Member of

FC/

Fluid Controls Insti-

TLV: CORPORATION

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is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001 ISO 14001 R

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SDS A2000-55 Rev. 3/2020 Products for intended use only. Specifications subject to change without notice.

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