THERMODYNE STEAM TRAP

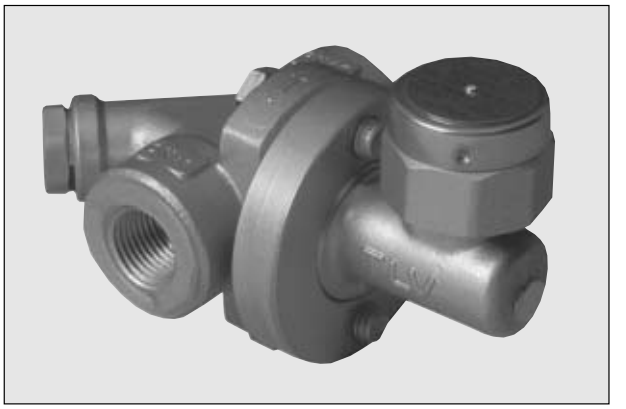
MODEL FP32 QuickTrap®

UNIVERSAL THERMODYNAMIC DISC TRAPS WITH THERMOSTATIC AIR VENTING

Benefits

Inline replaceable and cleanable 2-bolt universal flange steam trap with high air venting capability. For steam mains, tracers and light process.

1. Two-bolt replacement module allows for inline trap repair in minutes.
2. Universal flange permits trap installation in optimum position regardless of piping.
3. Screen is located in connector to provide protection while keeping the trap module replacement costs low.
4. Module gaskets are easily replaced after cleaning to allow for trap module reuse.
5. Air-jacketing reduces no-load cycling and extends life.
6. Quick thermostatic air venting with bimetal ring for fast start-up.
7. Lapped disc provides steam-tight seal without air-binding for long life.
8. Hardened stainless steel working surfaces for long life.



CAUTION 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.

Specifications

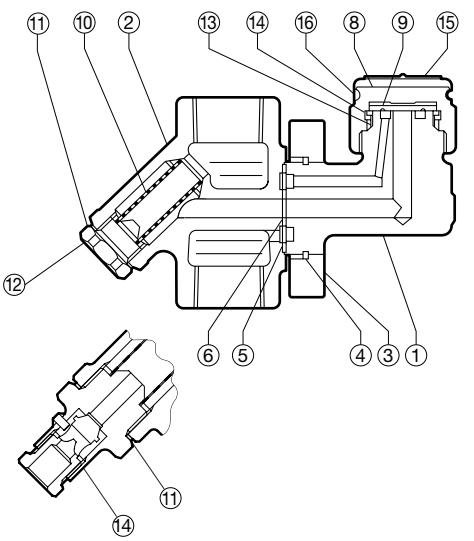
Model		FP32		
Connection		**Screwed**	**Socket Weld**	Flanged
Size (in)		**½, ¾, 1**		½, ¾, 1
Maximum Operating Pressure (psig)	PMO	450		
Minimum Operating Pressure (psig)		3.5		
Maximum Operating Temperature (°F)	TMO	750		
Maximum Allowable Pressure (psig)	PMA	450		
Maximum Allowable Temperature (°F)	TMA	750		
Maximum Back Pressure		80% of Inlet Pressure		
Connector Unit		F32		
Trap Unit		P32*		

* Designed for use with F32 Connector Unit and V1/V2 Trap Station.

Connections and sizes in bold are standard

CAUTION 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 [1]	JIS
①T	Trap Body	Stainless Steel	AISI420	SUS420J2
②	Connector Body	Cast Stainl. Steel	A351 Gr.CF8	—
③T	Connecting Flange	Carbon Steel	A105	—
④T	Snap Ring	Carbon Steel	AISI1055	SWRH57
⑤MT	Outer Connector Gasket	Graphite/Stainl. Stl.	-/AISI304	SUS304
⑥MT	Inner Connector Gasket	Graphite/Stainl. Stl.	-/AISI304	SUS304
⑦T	Connector Bolt [3]	Alloy Steel	A193 Gr.B7	—
⑧T	Cover	Stainless Steel	AISI420F2	SUS420F2
⑨T	Disc	Stainless Steel	AISI420	SUS420J2
⑩	Screen	Stainless Steel	AISI430	SUS430
⑪M	Screen Holder Gasket	Stainless Steel	AISI316L	SUS316L
⑫	Screen Holder	Stainless Steel	AISI303	SUS303
	Screen Holder (1") [5]	Cast Stainless Steel	A351 Gr.CF8	—
⑬T	Air Vent Ring	Bimetal	—	SUS420J2
⑭T	Disc Holder Ring	Stainless Steel	AISI420	SUS304
⑮T	Nameplate	Stainless Steel	AISI304	SUS304
⑯T	Cap	Stainless Steel	AISI304	—
⑰	Flange [3]	Carbon/Cast Steel [4]	A105/216 Gr.WCB	SUS420F
⑱	BD2 Blowdown Valve [2]	Cast Stainless Steel	A351 Gr.CF8	—



[1] Equivalent [2] Option [3] Shown overleaf [4] Material depends on flange specification
Replacement kits available: (M) maintenance parts, (T) Trap unit P32

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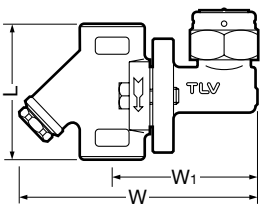
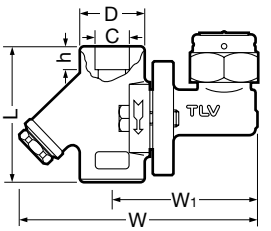
Dimensions

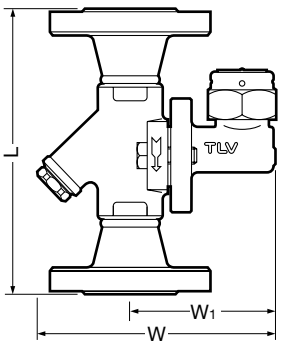
● **FP32**
Screwed



● **FP32**
Socket
Weld



● **FP32**
Flanged



FP32 Screwed* (in)

Size	L	W**	W1	Weight (lb)
1/2	3 1/8	5 5/8	3 7/16	3.3
3/4				
1	3 3/4	6 9/16	3 9/16	4.0

* NPT, other standards available
** With optional BD2 add approx. 11/16″ to W

FP32 Socket Weld* (in)

Size	L	W**	W1	ϕ D	ϕ C	h	Weight (lb)
1/2	3 1/8	5 5/8	3 7/16	1 7/16	0.855	1/2	3.3
3/4					1.065	9/16	
1	3 3/4	6 9/16	3 9/16	1 3/4	1.330		4.0

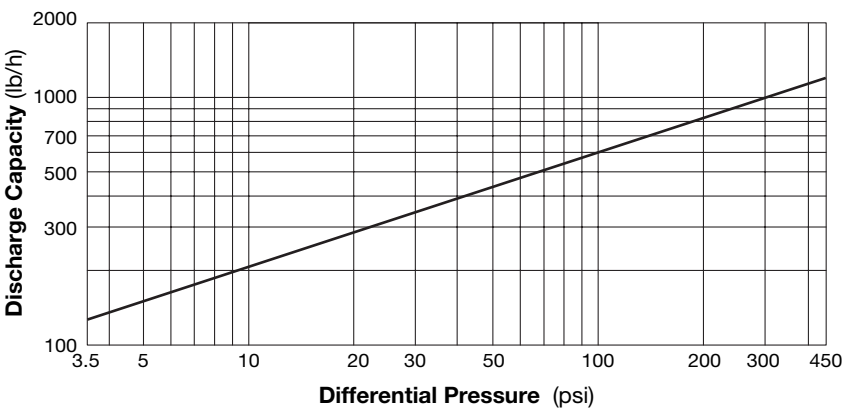
* ASME B16.11-2005, other standards available
** With optional BD2 add approx. 11/16″ to W

FP32 Flanged (in)

Size	L			W**	W1	Weight* (lb)
	ASME Class					
	150RF	300RF	600RF			
1/2	5 1/2	5 1/2	5 1/2	5 5/8	3 7/16	9.9
3/4	6 1/2	6 1/2	6 1/2			11
1	8 1/4	8 1/4	8 1/4			13

Other standards available, but length and weight may vary
* Weight is for Class 600 RF
** With optional BD2 add approx. 11/16″ to W

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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Member of FCI FLUID CONTROLS INSTITUTE

Manufacturer
TLV CO., LTD.
Kakogawa, Japan
is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001 / ISO 14001

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