



THERMODYNE STEAM TRAP

MODEL FP32 QuickTrap®

UNIVERSAL THERMODYNAMIC DISC TRAP WITH THERMOSTATIC AIR VENTING

Features

Inline replaceable 2-bolt universal flange traps for steam mains, tracers and light process.

1. Two-bolt flange connector permits trap replacement in minutes without disturbing piping.
2. Universal flange allows trap to be positioned in the correct attitude, regardless of pipeline configuration.
3. Screen located in connector ensures trouble-free operation.
4. Air-jacketing reduces cycling and extends life.
5. Quick thermostatic air venting with bimetal ring for fast start-up.
6. Lapped disc provides steam-tight seal without air-binding.
7. Hardened stainless steel working surfaces.



Specifications

Model		FP32		
Connection		Screwed	Socket Welded	Flanged
Size (mm)		15, 20, 25		
Maximum Operating Pressure (MPaG) PMO		3.2		
Minimum Operating Pressure (MPaG)		0.025		
Maximum Operating Temperature (°C) TMO		350		
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.

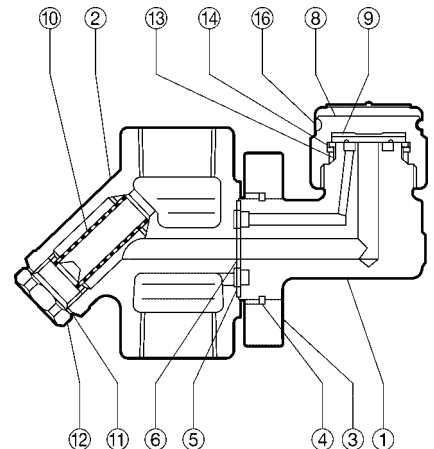
1 MPa = 10.197 kg/cm²

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 3.2
Maximum Allowable Temperature (°C) TMA: 350



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⁾
① ^T	Trap Body	Stainless Steel	SUS420J2	AISI420
②	Connector Body	Cast Stainless Steel	—	A351 Gr.CF8
③ ^T	Connector Flange	Carbon Steel	—	A105
④ ^T	Snap Ring	Carbon Steel	SWRH57	AISI1055
⑤ ^{MT}	Outer Connector Gasket	Graphite/Stainless Steel	- /SUS304	- /AISI304
⑥ ^{MT}	Inner Connector Gasket	Graphite/Stainless Steel	- /SUS304	- /AISI304
⑦ ^T	Connector Bolt ²⁾	Carbon Steel	—	A193 Gr.B7
⑧ ^T	Cover	Stainless Steel	SUS420F2	AISI420F2
⑨ ^T	Disc	Stainless Steel	SUS420J2	AISI420
⑩	Screen inner/outer	Stainless Steel	SUS304/430	AISI304/430
⑪ ^M	Screen Holder Gasket	Stainless Steel	SUS316L	AISI316L
⑫	Screen Holder	Stainless Steel	SUS303	AISI303
	Screen Holder (25 mm) ³⁾	Cast Stainless Steel	—	A351 Gr.CF8
⑬ ^T	Air Vent Ring	Bimetal	—	—
⑭ ^T	Disc Holder Ring	Stainless Steel	SUS420J2	AISI420J2
⑮ ^T	Name Plate	Stainless Steel	SUS304	AISI304
⑯ ^T	Cap	Stainless Steel	SUS304	AISI304
⑰ ^T	Flange ²⁾	Carbon/Cast Steel ⁴⁾	—	A105/216 Gr.WCB



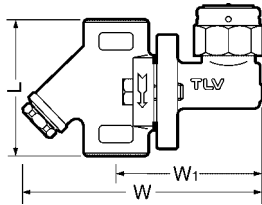
¹⁾ Equivalent ²⁾ Shown overleaf ³⁾ Screwed and socket welded connections

⁴⁾ Material depends on flange specifications

Replacement kits available: (M) maintenance parts, (T) trap unit P32

Dimensions

● **FP32**
Screwed

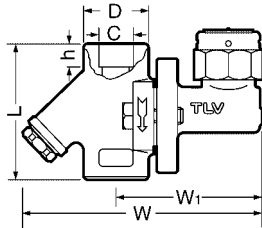


FP32 Screwed* (mm)

Size	L	W	W ₁	Weight (kg)
15	80	143	87	1.5
20				
25	96	166	91	1.8

*Rc (PT), other standards available

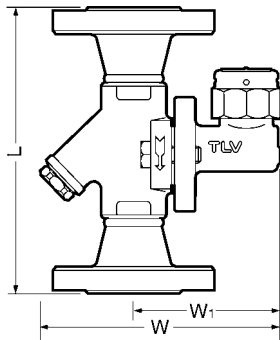
● **FP32**
Socket Welded



FP32 Socket Welded (mm)

Size	L	W	W ₁	φD	φC	h	Weight (kg)
15	80	143	87	37	22.2	12	1.5
20						14	
25	96	166	91	44	34.5	14	1.8

● **FP32**
Flanged

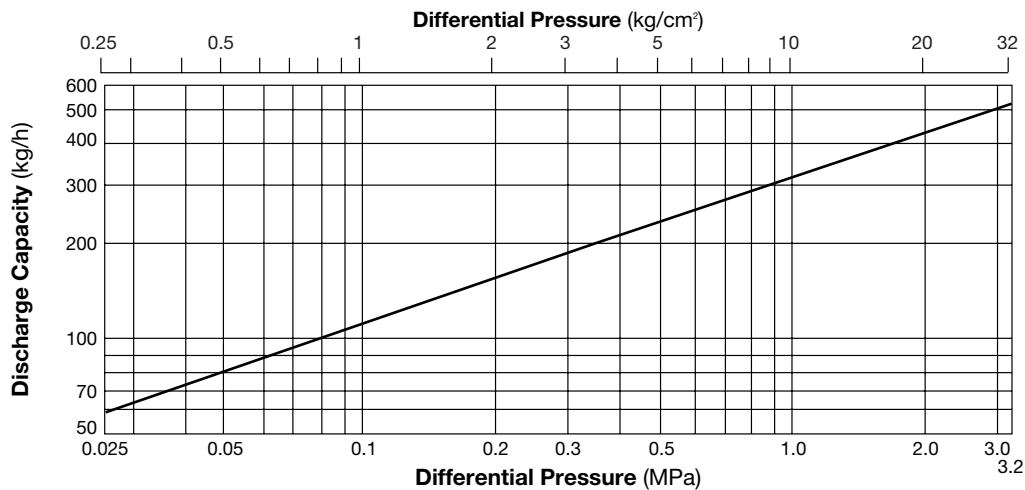


FP32 Flanged (mm)

Size	L			W	W ₁	Weight* (kg)
	ASME Class					
	150RF	300RF	600RF			
15	140	140	140	143	87	4.5
20	165	165	265			5.0
25	210	210	210			6.1

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

Discharge Capacity



1. Differential pressure is the difference between the inlet and outlet pressure of the trap.
2. Recommended safety factor: at least 2.

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

ISO 9001/ISO 14001

