



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 to provide protection while keeping trap module replacement costs low.
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.



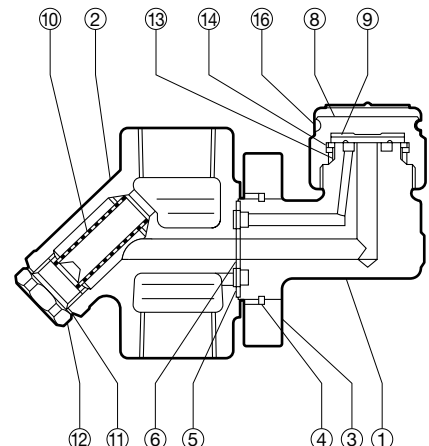
Specifications

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		

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 3.2 1 MPa = 10.197 kg/cm²
Maximum Allowable Temperature (°C) TMA: 350

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.

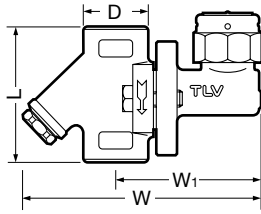
No.	Description	Material	JIS	ASTM/AISI*
①	Trap Body	Stainless Steel	SUS420J2	AISI420
②	Connector Body	Cost Stainless Steel	SCS13A	A351 Gr. CF-8
③	Connector Flange	Carbon Steel	—	A105
④	Snap Ring	Carbon Steel	SWRH57	AISI1055
⑤ ^{MR}	Outer Connector Gasket	Stainless Steel/Graphite	SUS304	AISI304
⑥ ^{MR}	Inner Connector Gasket	Stainless Steel/Graphite	SUS304	AISI304
⑦	Connector Bolt**	Carbon Steel	—	A193 Gr. B7
⑧ ^R	Cover	Stainless Steel	SUS420F2	AISI420F2
⑨ ^R	Disc	Stainless Steel	SUS420J2	AISI420
⑩ ^R	Screen outer/inner	Stainless Steel	SUS430/304	AISI 430/304
⑪ ^{MR}	Screen Holder Gasket	Soft Iron	SUYP	AISI1010
⑫	Screen Holder	Carbon Steel	—	A105
⑬ ^R	Air Vent Ring	Bimetal	—	—
⑭ ^R	Disc Holder Ring	Stainless Steel	SUS420F2	AISI420F2
⑮ ^R	Name Plate	Stainless Steel	SUS304	AISI304
⑯ ^R	Cap	Stainless Steel	SUS304	AISI304
⑰	Flange**	Carbon/Cast Steel***	—	A105/216Gr. WCB***



* Equivalent ** Shown overleaf *** Material depends on flange specifications
Replacement kits available: (M) maintenance parts, (R) repair parts

Dimensions

● **FP32**
Screwed

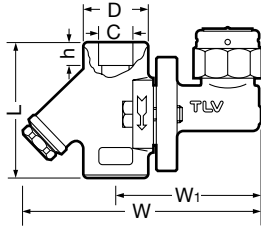


FP32 Screwed* (mm)

Size	L	W	W ₁	φD	Weight (kg)
15	80	143	87	39	1.5
20					
25	96	166	91	46	1.8

*Rc (PT), other standards available

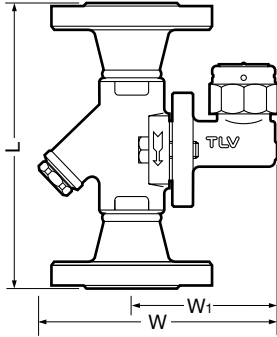
● **FP32**
Socket
Welded



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							
25	96	166	91	46	34.5	14	1.8

● **FP32**
Flanged

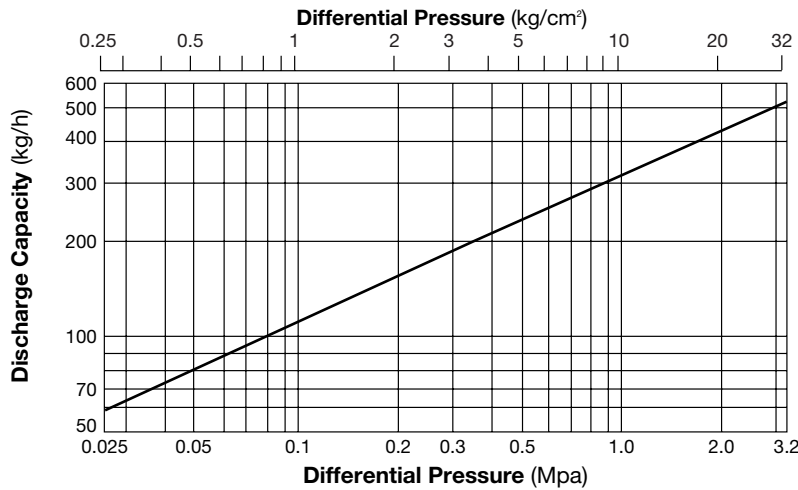


FP32 Flanged* (mm)

Size	L (ASME Class)			W	W ₁	Weight (approx. kg)
	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

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

ISO 9001/ISO 14001

TLV® CO., LTD.
Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

