



THERMODYNE STEAM TRAP

MODEL P46SS

THERMODYNAMIC DISC TRAP WITH THERMOSTATIC AIR VENTING

Features

Stainless steel durability for steam mains and tracing.

1. Hardened stainless steel working surfaces.
2. Air-jacketing reduces no-load cycling.
3. Lapped disc provides steam-tight seal without air binding.
4. Built-in, easy-to-clean screen.
5. Bimetal ring provides quick thermostatic air venting.



Specifications

Model	P46SS		
Connection	Screwed		
Size (mm)	15, 20		
Maximum Operating Pressure (MPaG)	PMO	4.6	
Minimum Operating Pressure (MPaG)		Horizontally installed: 0.025	Vertically installed: 0.04
Maximum Operating Temperature (°C)	TMO	425	
Maximum Back Pressure	80% of Inlet Pressure		

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS):

1 MPa = 10.197 kg/cm²

Maximum Allowable Pressure (MPaG) PMA: 4.6

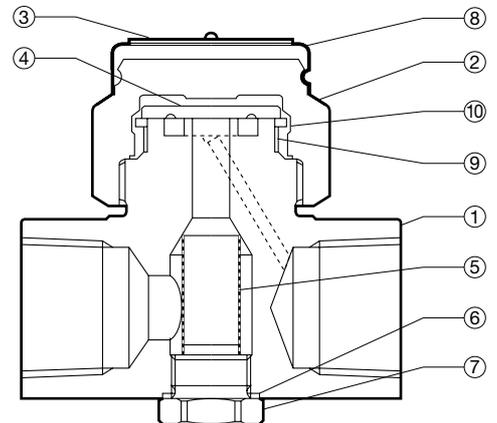
Maximum Allowable Temperature (°C) TMA: 425 °C



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.

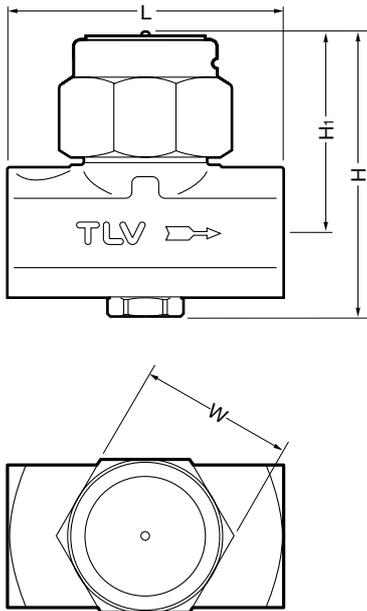
No.	Description	Material	JIS	ASTM/AISI*
①	Body	Stainless Steel	SUS420J2	AISI420
②	Cover	Stainless Steel	SUS420F2	AISI420F2
③	Nameplate	Stainless Steel	SUS304	AISI304
④	Disc	Stainless Steel	SUS420J2	AISI420
⑤	Screen	Stainless Steel	SUS430	AISI430
⑥	Screen Holder Gasket	Stainless Steel	SUS316L	AISI316L
⑦	Screen Holder	Stainless Steel	SUS303	AISI303
⑧	Cap	Stainless Steel	SUS304	AISI304
⑨	Air Vent Ring	Bimetal	—	—
⑩	Disc Holder Ring	Stainless Steel	SUS420F2	AISI420F2

* Equivalent



Dimensions

• **P46SS** Screwed

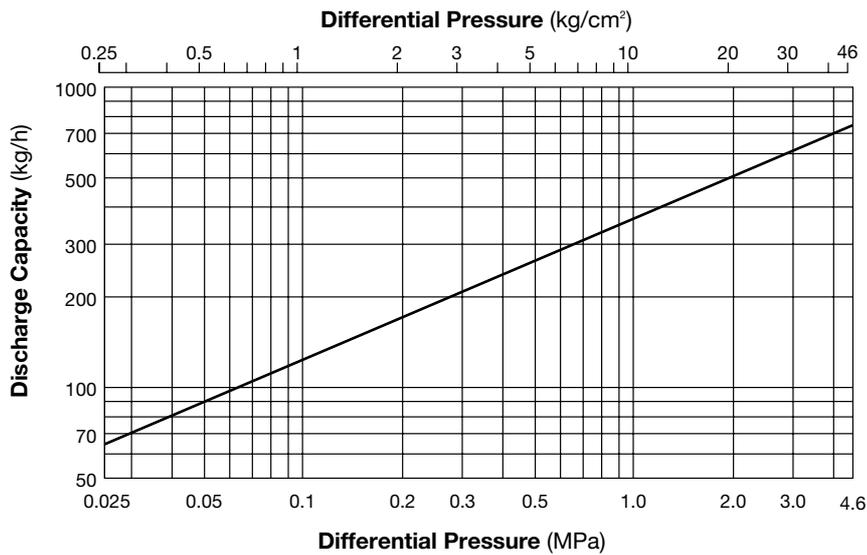


P46SS Screwed* (mm)

Size	L	H	H ₁	W	Weight (kg)
15	70	74	52	38	0.45
20					

* Rc (PT), other standards available

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

