PowerDyne® STEAM TRAP

MODEL P65SRN

THERMODYNAMIC DISC TRAP WITH THERMOSTATIC AIR VENTING

Features

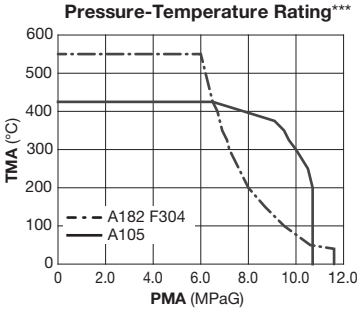
Inline repairable trap for high-pressure steam mains. Available in carbon steel or stainless steel.

1. Inline replaceable valve module.
2. Air jacketing reduces no-load cycling.
3. Lapped disc provides steam-tight seal without air binding.
4. Built-in screen for trouble-free service.
5. Bimetal ring provides quick thermostatic air venting.
6. Hardened stainless steel working surfaces.

Specifications

Model	P65SRN				
Body Material	Carbon Steel A105			Stainless Steel* A182 F304	
Connection	Screwed	S. Welded	Flanged	Screwed	S. Welded
Size (mm)	15, 20, 25				
Maximum Operating Pressure (MPaG) PMO	6.5				
Minimum Operating Pressure (MPaG)	0.03				
Maximum Operating Temperature (°C) TMO	425				
Maximum Allowable Pressure (MPaG) PMA**	10.7 @ 40 °C			11.6 @ 40 °C	
Maximum Allowable Temperature (°C) TMA**	425 @ 6.5 MPaG			550 @ 6.0 MPaG	
Maximum Back Pressure	80% of Inlet Pressure				

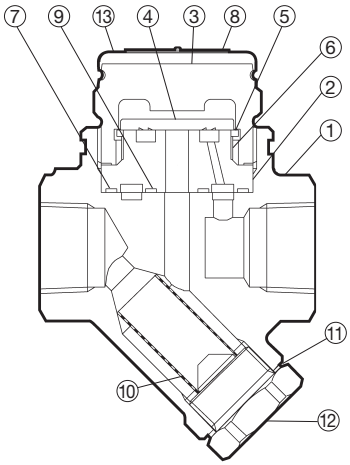
Pressure-Temperature Rating***



* Contact TLV for optional flanged stainless steel model. 1 MPa = 10.197 kg/cm²
** PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS)
*** This Rating Graph is based on Allowable Stress Values of ASTM-Materials at each temperature.

⚠ 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.

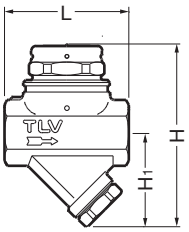
No.	Description	Material	JIS	ASTM/AISI*
①	Body	See Specifications table for available materials		
②R	Module Valve Seat	Stainless Steel	SUS440C	AISI440C
③R	Cover	Stainless Steel	—	A182 F304
④R	Disc	Stainless Steel	SUS440C	AISI440C
⑤R	Disc Holder Ring	Stainless Steel	SUS630	AISI630
⑥R	Air Vent Ring	Bimetal	—	—
⑦MR	Outer Module Gasket	Graphite/Stainless Steel	- /SUS316L	- /AISI316L
⑧R	Nameplate	Stainless Steel	SUS304	AISI304
⑨MR	Inner Module Gasket	Graphite/Stainless Steel	- /SUS316L	- /AISI316L
⑩R	Screen inside/outside	Stainless Steel	SUS304/430	AISI304/430
⑪MR	Screen Holder Gasket	Soft Iron	SUYP	AISI1010
		Stainless Steel**	SUS316L	AISI316L
⑫	Screen Holder	Cast Stainless Steel	—	A351 Gr.CF8
⑬R	Cap	Stainless Steel	SUS304	AISI304
⑭	Socket*** (25mm Socket Welded)	Carbon Steel	—	A105
		Stainless Steel**	SUS304	AISI304
⑮	Flange***	Carbon Steel	—	A105



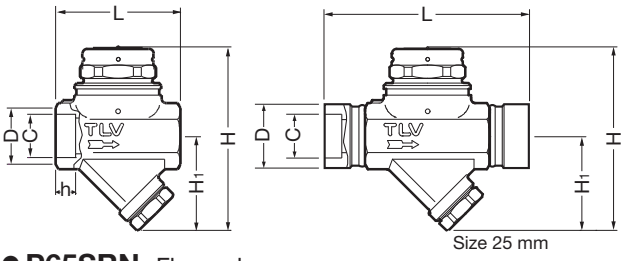
* Equivalent material ** For models with stainless steel body *** Shown on reverse
Replacement kits available: (M) maintenance parts, (R) repair parts

Dimensions

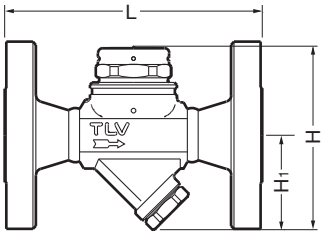
● **P65SRN** Screwed



● **P65SRN** Socket Welded



● **P65SRN** Flanged



P65SRN Screwed* (mm)

Size	L	H	H1	Weight (kg)
15	80	120	62	1.2
20				
25	88	125		1.4

* Rc (PT), other standards available

P65SRN Socket Welded (mm)

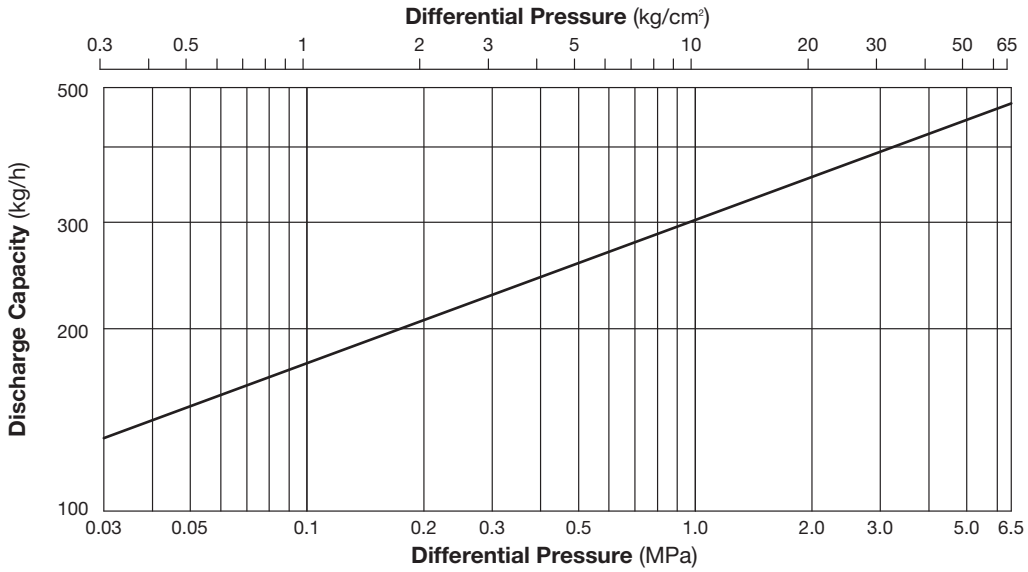
Size	L	H	H1	ϕD	ϕC	h	Weight (kg)
15	80	120	62	30	22.2	13	1.2
20	88	125		44	27.7		1.4
25	150			50	34.5	14	1.7

P65SRN Flanged (mm)

Size	L* ASME Class 150RF	L* ASME Class 300RF	L* ASME Class 600RF	L* ASME Class 900RF	H	H1	Weight** (kg)
15	140	140	140	170	120	62	5.7
20	165	165	165	195			7.1
25	210	210	210	220			10

Other standards available, but length and weight may vary
* Length and weight of optional stainless steel model may differ
** Weight is for Class 900 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