



# THERMODYNE STEAM TRAP

## MODEL HR260A

### SUPERCRITICAL SERVICE THERMODYNAMIC DISC TRAP

#### Features

**Air-jacketed disc trap for supercritical service in high pressure steam mains and turbines.**

1. Inline replaceable valve module for ease of maintenance and low cost of repair.
2. Lapped disc provides steam-tight seal.
3. Air jacket reduces radiant heat loss to reduce no-load cycling and so extend life.
4. Built-in screen with large surface area for extended trouble-free operation.
5. Hardened working surfaces guarantee long service life.
6. Approved by major power plants worldwide for supercritical steam use.



#### Specifications

Model	HR260A	
Connection	Socket Welded*	
Size (mm)	15, 20, 25	
Maximum Operating Pressure (MPaG) PMO	26	
Minimum Operating Pressure (MPaG)	1.6	
Maximum Operating Temperature (°C) TMO	550	
Maximum Back Pressure	50% of Inlet Pressure	

\* Flanged version also available

1 MPa = 10.197 kg/cm<sup>2</sup>

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 26  
Maximum Allowable Temperature (°C) TMA: 550

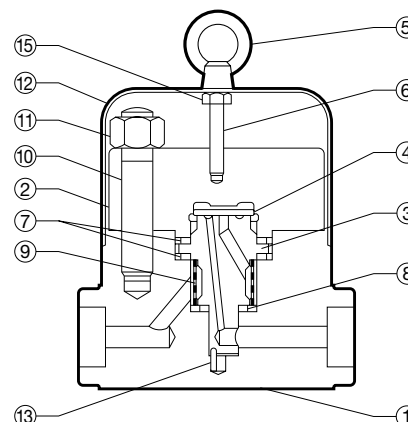


To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

No.	Description	Material	JIS	ASTM/AISI*
①	Body	Alloy Steel	—	A182 F22 Cl. 3
② <sup>R</sup>	Cover	Stainless Steel	SUS420J2	AISI420
③ <sup>R</sup>	Module Valve Seat	Stainless Steel	SUS440C	AISI440C
④ <sup>R</sup>	Disc	Stainless Steel	SUS440C	AISI440C
⑤	Eye Nut	Carbon Steel	SS400	A6
⑥	Spacer	Carbon Steel	SS400	A6
⑦ <sup>MR</sup>	Module Gasket	Stainless Steel/Graphite	SUS309S+Cb	AISI309S+Cb
⑧ <sup>MR</sup>	Module Gasket	Stainless Steel/Graphite	SUS309S+Cb	AISI309S+Cb
⑨ <sup>R</sup>	Screen outside/inside	Stainless Steel	SUS304/430	AISI304/430
⑩	Body Bolt	Alloy Steel	SNB16	A193 Gr. B16
⑪	Cover Nut	Alloy Steel	SNB7	A193 Gr. B7
⑫	Cap	Carbon Steel	SPCC	A109
⑬ <sup>R</sup>	Guide Pin	Stainless Steel	SUS304	AISI304
⑭	Nameplate**	Stainless Steel	SUS304	AISI304
⑮	Hexagon Nut	Carbon Steel	SS400	A6

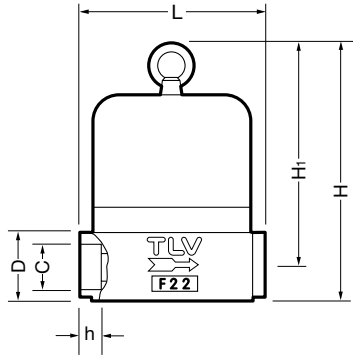
\* Equivalent \*\* Not Shown

Replacement kits available: (M) maintenance parts, (R) repair parts



**Dimensions**

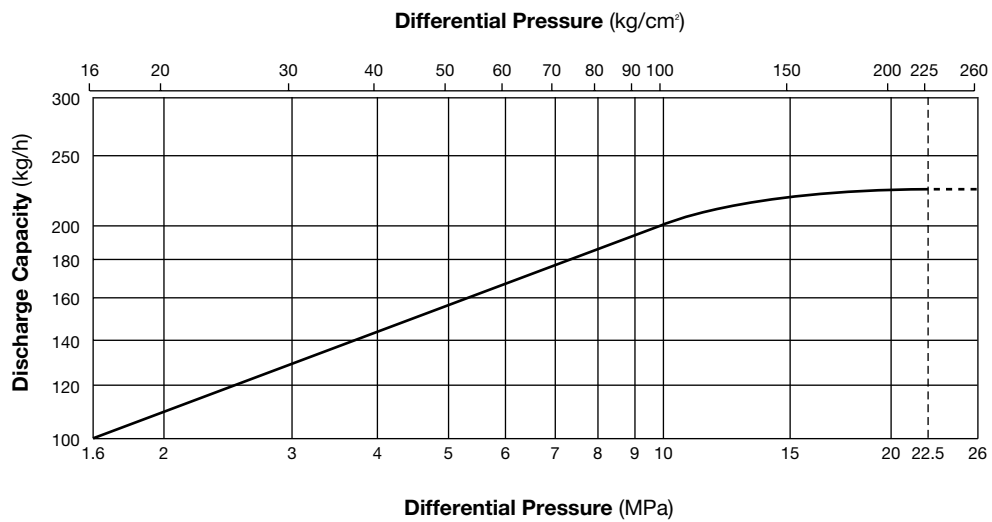
● **HR260A**  
Socket Welded



**HR260A** Socket Welded (mm)

Size	$\phi D$	$\phi C$	h	L	H	H <sub>1</sub>	Weight (kg)
15	53.5	22.2	14	160	208	179	18
20		27.7					
25		34.5					

**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

