



# THERMODYNE STEAM TRAP

## MODEL HR260A

### SUPERCRITICAL SERVICE THERMODYNAMIC DISC TRAP

#### Benefits

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

1. Inline replaceable valve module to lower repair costs.
2. Eight body bolts fasten the cover and hold the module valve unit in the trap body to promote good sealing.
3. Lapped disc provides steam-tight seal.
4. Air-jacketing reduces no-load cycling and extends life.
5. Built-in screen for extended trouble-free service.
6. Hardened working surfaces for long life.
7. Approved by major power plants worldwide for supercritical steam use.



#### Specifications

Model		HR260A
Connection		Socket Weld
Size (in)		1
Maximum Operating Pressure (psig)	PMO	3,700
Minimum Operating Pressure (psig)		230
Maximum Operating Temperature (°F)	TMO	1,022
Maximum Allowable Pressure (psig)	PMA	3,700
Maximum Allowable Temperature (°F)	TMA	1,022
Maximum Back Pressure		50% of Inlet Pressure

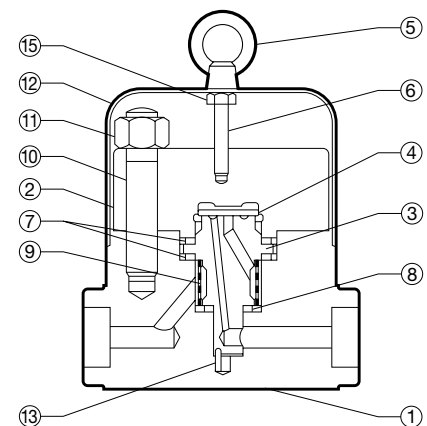


**CAUTION** To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

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

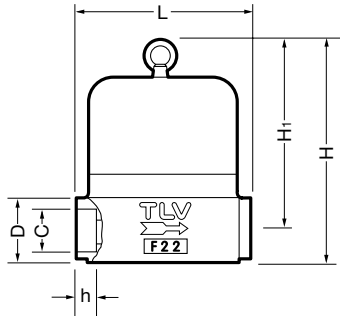
\* Equivalent \*\* Not shown

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



**Dimensions**

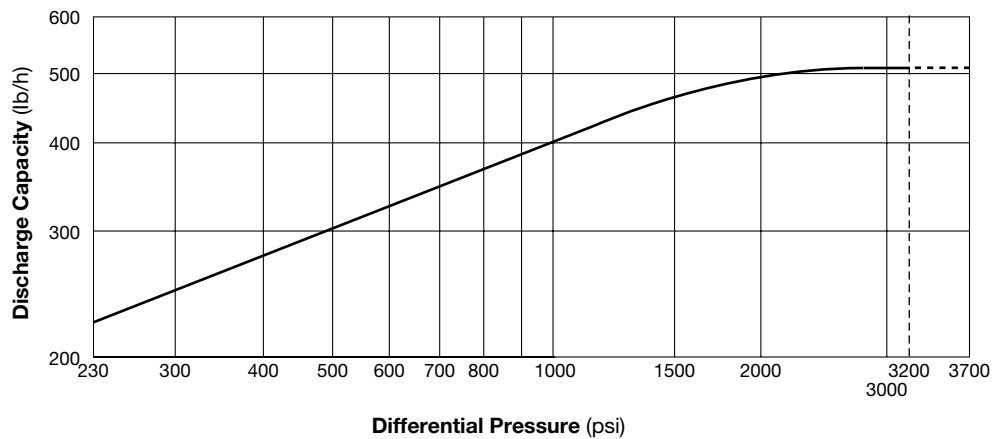
● **HR260A**  
Socket Weld



**HR260A** Socket Weld (in)

Size	$\phi D$	$\phi C$	h	L	H	H <sub>1</sub>	Weight (lb)
1	2 <sup>3</sup> / <sub>16</sub>	1 <sup>9</sup> / <sub>16</sub>	<sup>9</sup> / <sub>16</sub>	6 <sup>5</sup> / <sub>16</sub>	8 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>	40

**Discharge Capacity**



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

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Manufacturer

**TLV**® CO., LTD.

Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001

