

## Design Features

- Rotary slide mechanism modulates condensate flow at all load levels
- Alteration of flow direction (Horizontal or Vertical) at site possible
- Wear resistant construction
- Continuous discharge of condensate
- Efficient condensate drainage due to handling of 0.01 kg/cm<sup>2</sup> differential pressure against 0.1 kg/cm<sup>2</sup> of other make traps.
- Built in air vent for quick start up (on request)
- Wider condensate drain area ensures no chocking orifice unlike other traps
- Fusion welded ball floats ensure longer working life

## Applications

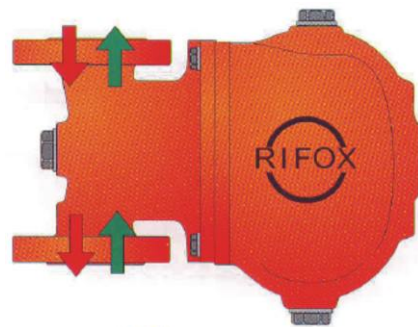
Float controlled steam trap is an ideal choice for removal of condensate from process heating equipment such as heat exchangers, storage tank coils, drying cylinders, reactors, jacketed vessels, ovens etc.

Float controlled steam traps find applications in various process industries such as :

Chemicals	Dairy	Fertilizers	Hotels
Hospitals	Paper	Petrochemicals	Refineries
Sugar	Ship building	Synthetic fiber	Solvent extraction
Textiles	Tobacco		

## Different Directions of Flow

For installation in vertical pipes in both directions, i.e. From top and bottom.



For installation in horizontal pipes in both directions, i.e. From left and right.



For more information, please get in touch with your nearest Thermax representative. You can also mail us at [info.c&hservices@thermaxindia.com](mailto:info.c&hservices@thermaxindia.com) or visit us at : [www.thermaxindia.com](http://www.thermaxindia.com).

In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Thermax offer document.



**THERMAX**

Sustainable Solutions in  
Energy & Environment

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Thailand, Malaysia, Philippines, UAE, Kenya,

Nigeria, Brazil, UK, USA

### Thermax Business Portfolio

Boilers & Heaters

Absorption Cooling

Air Pollution Control

Captive Power

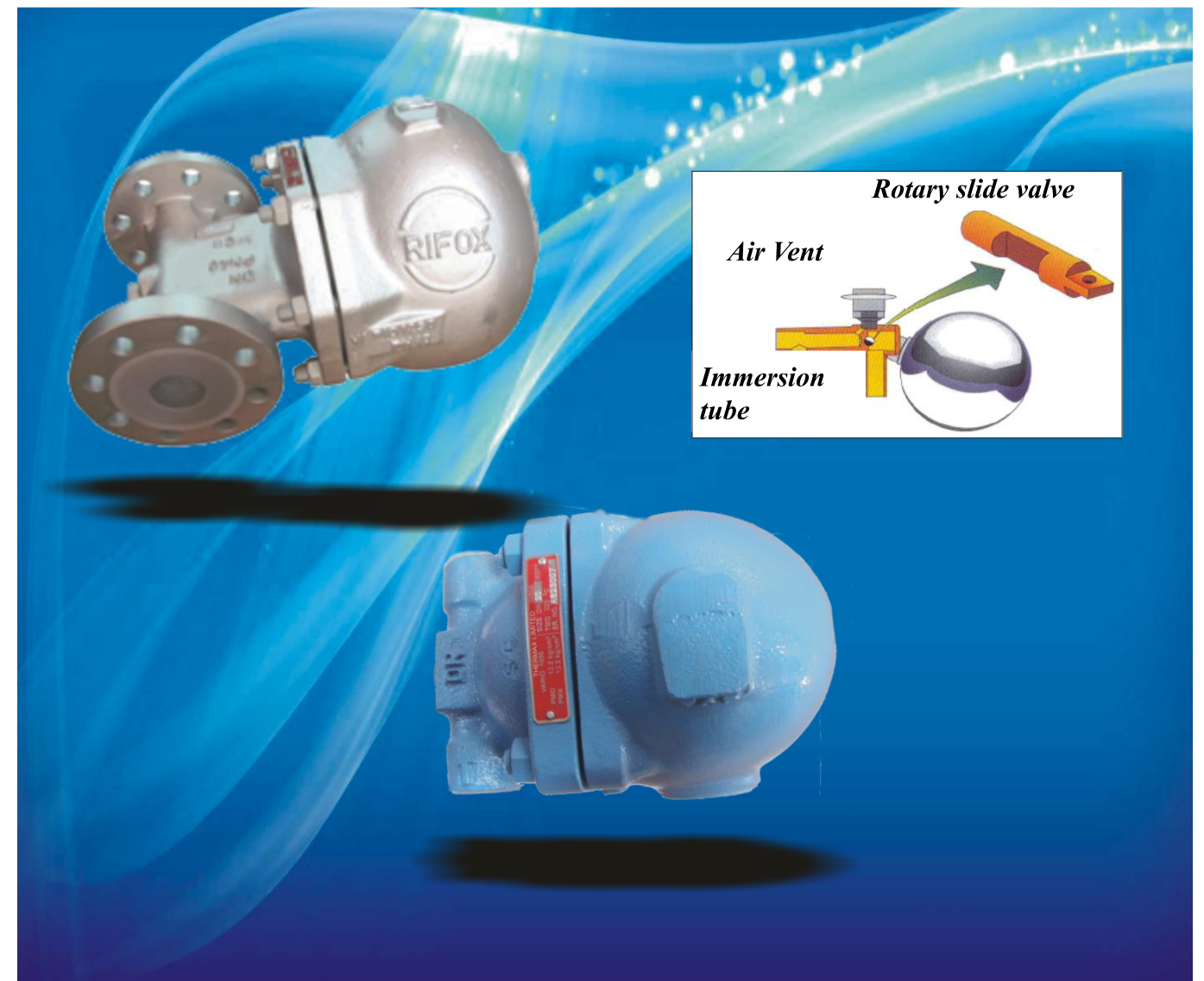
Chemicals

Water & Waste Solutions



**THERMAX**

## C&H SERVICES SBU



## Float Controlled Steam Traps

### Why Steam Traps?

A steam trap is an automatic valve which closes to trap steam & opens to discharge condensate, air & non-condensable gases from the steam system. Float controlled steam trap is an ideal choice for removal of condensate from process heating equipment such as heat exchangers, storage tank coils, drying cylinders, jackets, reactors, jacketed vessels, ovens etc.

Product of RIFOX GmbH - A THERMAX group company

**Improving your business is our business**

Thermax offers products, systems and solutions in energy and environment engineering to industrial and commercial establishments around the world. Its business expertise covers heating, cooling, waste heat recovery, captive power, water treatment & recycling, air pollution control & waste management and performance chemicals. Thermax brings to customers extensive experience in industrial applications, and expertise through technology partnerships and strategic alliances.

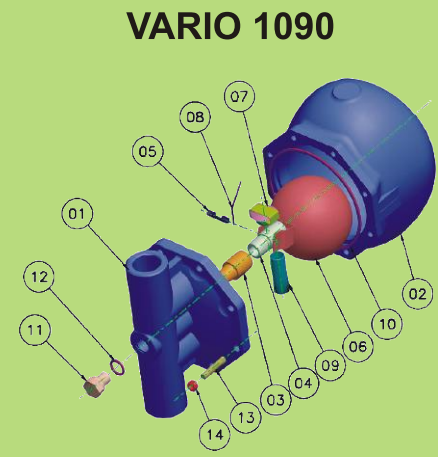
Operating from its headquarters in Pune (Western India), Thermax has built an international sales & service network spread over South East Asia, Middle East, Africa, Russia, UK and the US. It has a full fledged manufacturing set up that is certified for ISO 9001:2000, ISO 14001 and safety management according to OSHAS (ISO 18000).

In **process heat**, Thermax offers a wide range of steam boilers, thermal oil heaters and hot water generators. It has expertise in a wide range of fuels - oil, gas, solid and agro-waste/ biomass. Supporting a broad array of industries in generating, transferring and conserving heat across a host of applications, Thermax process heat products and systems are exported to North and South America, South East Asia, Middle East, Africa, Europe, CIS, Australia, Antarctica and SAARC.

**Technical Specifications**

**Models**

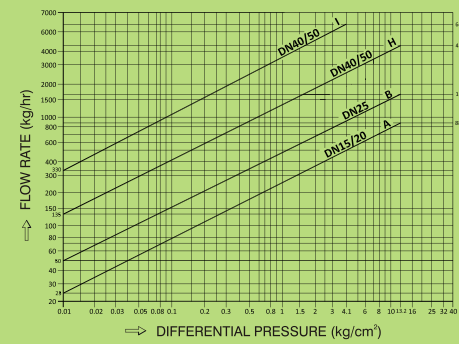
**Exploded View**



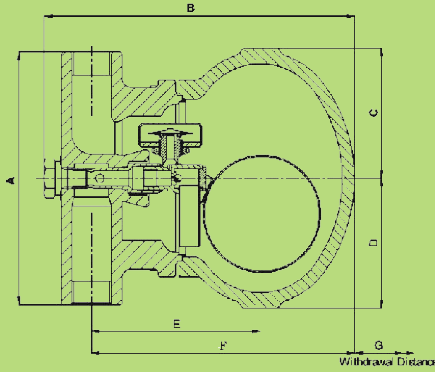
**Materials**

No.	Component	Material	Specification
01	Housing screwed	Cast Iron	IS 210 Gr. FG 260
02	Body housing	Cast Iron	IS 210 Gr. FG 260
03	Drain support tube	St. Steel	ASTM A276 Type 304
04	Drain tube	St. Steel	ASTM A276 TYPE 304
05	Rotary slide valve	St. Steel	ASTM A276 TYPE 440B
06	Float	St. Steel	ASTM A240 Type 304
07	Capsule Assembly	St. Steel	SS 304
08	Ventilation nozzle	St. Steel	SS 304
09	Immersion tube	St. Steel	ASTM A312 Type 304
10	Housing gasket (SWG)	St. Steel + Graphite	ASTM A240 Type 304 + Graphite
11	Supporting screw	St. Steel	ASTM A276 TYPE 304
12	Supporting screw gasket	St. Steel	ASTM A276 Type 304
13	Stud	St. Steel	ASTM A193 Grade B7
14	Hex. Nut	St. Steel	ASTM A194 Grade 2H

**Capacity Chart**



**Dimension & Weight**



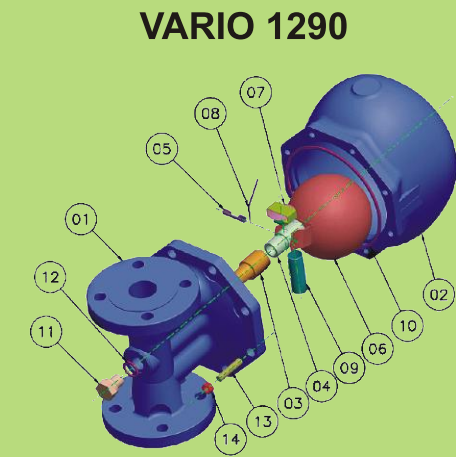
Size	A	B	C	D	E	F	G	Wt.
DN 15 (1/2")	121	210	85	85	120	190	120	7.8
DN 20 (3/4")	121	210	85	85	120	190	120	7.8
DN 25 (1")	145	280	110	110	160	235	140	14.0
DN 40 (1.1/2")	270	330	145	145	190	290	180	27.0
DN 50 (2")	300	330	145	145	190	290	180	28.0

**Body Design Conditions**

Parameter	Screwed End
Maximum Operating Pressure - PMO (kg/cm <sup>2</sup> )	13.2
Maximum Operating Temperature - TMO (°C)	220
Hyd. Test (kg/cm <sup>2</sup> )	26.4

**Models**

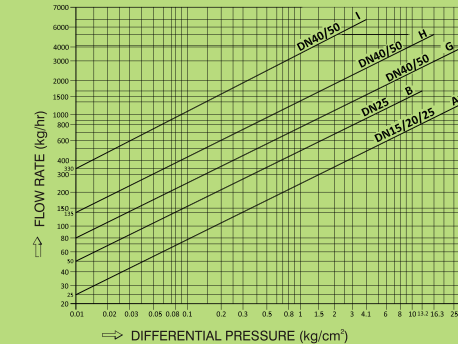
**Exploded View**



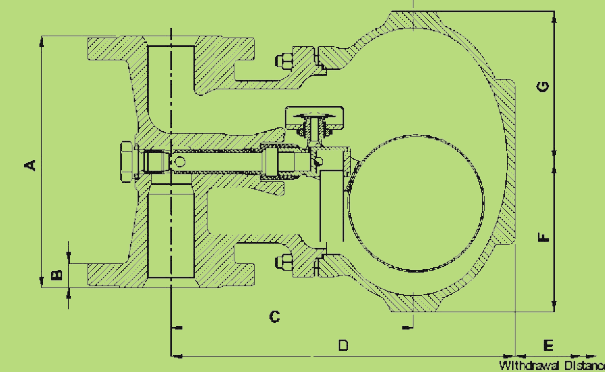
**Materials**

No.	Component	Material	Specification
01	Housing Flanged	Cast Steel	ASTM A216 Gr. WCB
02	Body housing	Cast Steel	ASTM A216 Gr. WCB
03	Drain support tube	St. Steel	ASTM A276 Type 304
04	Drain tube	St. Steel	ASTM A276 TYPE 304
05	Rotary slide valve	St. Steel	ASTM A276 TYPE 440B
06	Float	St. Steel	ASTM A240 Type 304
07	Capsule Assembly	St. Steel	SS 304
08	Ventilation nozzle	St. Steel	SS 304
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13	Stud	St. Steel	ASTM A193 Grade B7
14	Hex. Nut	St. Steel	ASTM A194 Grade 2H

**Capacity Chart**



**Dimension & Weight**



Size	A	B	C	D	E	F	G	Wt.
DN 15 (1/2")	150	18.5	180	240	130	115	115	13.0
DN 20 (3/4")	150	18.5	180	240	130	115	115	14.5
DN 25 (1")	160	18.5	185	245	130	115	115	15.0
DN 40 (1.1/2")	230	22.6	225	320	180	145	145	31.0
DN 50 (2")	230	22.6	225	320	180	145	145	32.0

**Body Design Conditions**

Parameter	Flanged
Maximum Operating Pressure - PMO (kg/cm <sup>2</sup> )	32.6
Maximum Operating Temperature - TMO (°C)	425
Hyd. Test (kg/cm <sup>2</sup> )	65.2