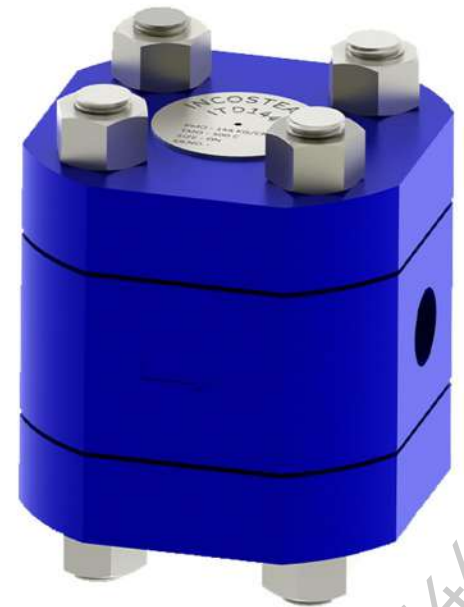


ITD66



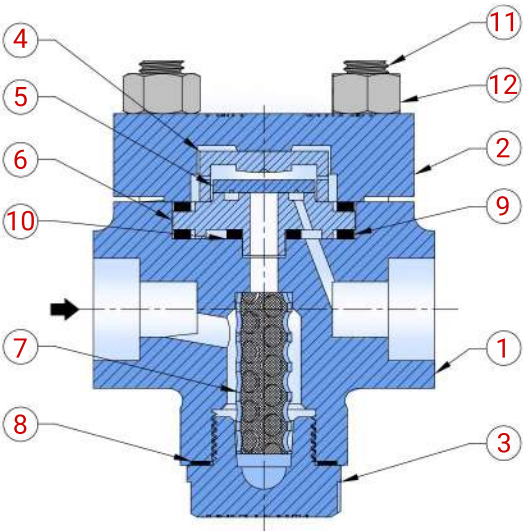
ITD144

INCOMPARABLE HIGH PRESSURE THERMODYNAMIC STEAM TRAPS

Let's redefine energy conservation and pave the way for a world where efficiency and environmental responsibility go hand in hand.

CUT SECTION

ITD66 and ITD144 are high-pressure thermodynamic steam traps from Incosteam, engineered to handle demanding industrial applications. Both models are designed for durability, reliability, and efficiency in removing condensate from high pressure steam systems.

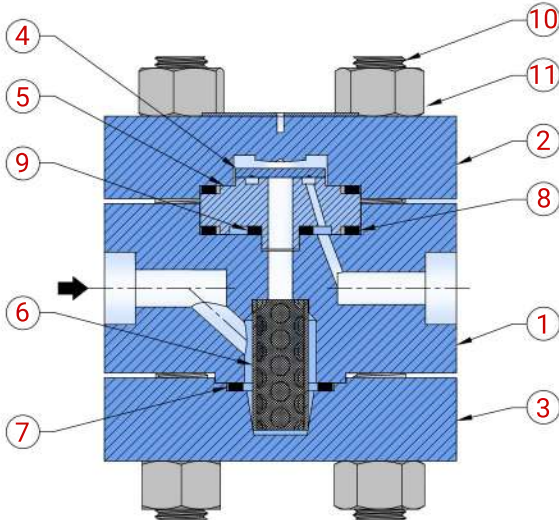


ITD66

NO	DESCRIPTION	MATERIAL	QTY
1	BODY	ASTM A217 GR.WC6	1
2	BODY COVER		1
3	SCREEN CAP		1
4	SEAT CAP	AISI 304	1
5	DISC	ASTM A681 GR.D2	1
6	DISC SEAT		1
7	STRAINER SCREEN(100 MESH)	AISI 304	1
8	SCREEN CAP GASKET	GRAPHITE WITH AISI 304	1
9	OUTER SEAT GASKET	SPIRAL WOUND GRAPHITE GASKET WITH AISI 304	2
10	INNER SEAT GASKET		1
11	STUD	ASTM A193 Gr. B16	4
12	HEX NUT	ASTM A194 Gr.8M	4

NO	DESCRIPTION	MATERIAL	QTY
1	BODY	ASTM A182 GR.F22 CL3	1
2	BODY COVER		1
3	SCREEN CAP		1
4	DISC	ASTM A681 GR.D2	1
5	DISC SEAT		1
6	STRAINER SCREEN(100 MESH)	AISI 304	1
7	SCREEN CAP GASKET	SPIRAL WOUND GRAPHITE GASKET WITH AISI 304	1
8	OUTER SEAT GASKET		2
9	INNER SEAT GASKET		1
10	STUD	ASTM A193 Gr. B16	8
11	HEX NUT	ASTM A194 Gr.7	8

ITD144



FEATURES

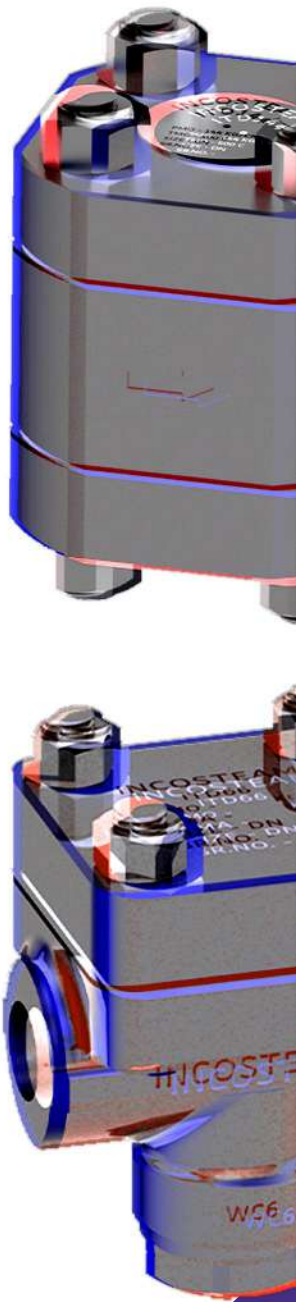
ITD66 and ITD144 Thermodynamic Steam Traps by Incosteam

- High Pressure Capability**
Designed to operate under high pressure, making them suitable for heavy-duty industrial applications.
- Robust Construction**
Made from high-grade materials to withstand harsh operating conditions and ensure long service life.
- Compact Design**
Their compact design allows for easy installation and maintenance.
- Operational Efficiency**
Continuously drains condensate without steam loss, optimizing energy use and efficiency.

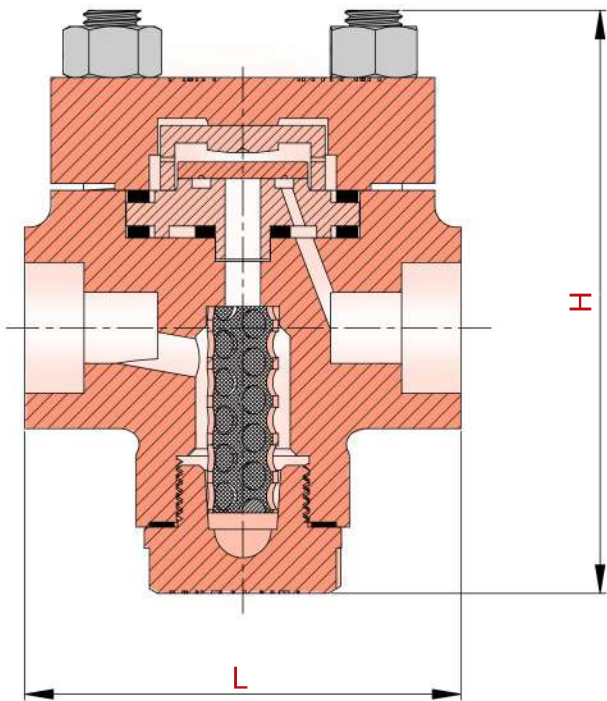
Technical Specifications	Pressure Range	Material	Discharge Capacity
ITD66	Typically operates efficiently at pressures up to 66 bar.	Often constructed from stainless steel for corrosion resistance and durability.	Varies depending on specific operational conditions and system requirements.
ITD144	Suitable for even higher pressure applications, up to 144 bar.	Also constructed from robust materials like stainless steel to ensure reliability under high pressure.	Higher discharge capacity compared to ITD66, tailored for larger systems with greater condensate loads.

BENEFITS

- Energy Efficiency**
By effectively removing condensate, these steam traps help in reducing steam wastage, thereby saving energy.
- Reduced Downtime**
Reliable operation minimizes the risk of steam system failures and reduces maintenance-related downtimes.
- Cost Savings**
Improved system efficiency leads to lower operating costs and enhanced profitability.



DIMENSIONAL TABLE



ITD66

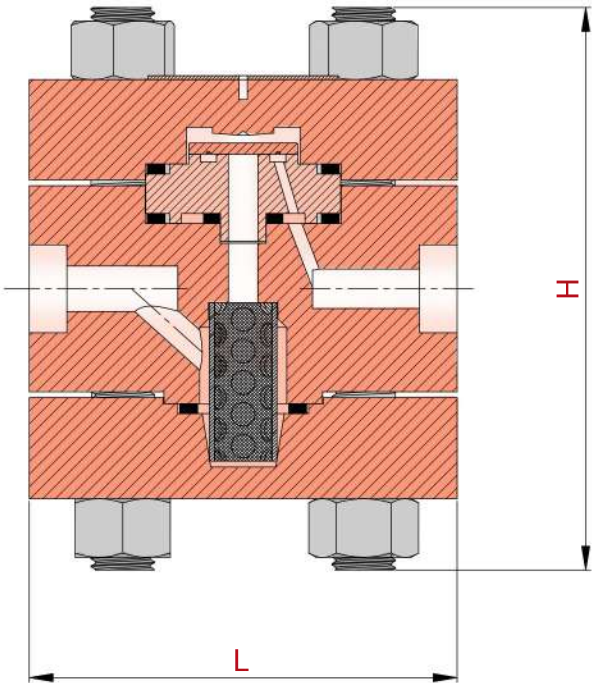
DIMENSIONAL TABLE

MODEL	SIZE	LENGTH (mm)	HEIGHT (mm)	WEIGHT KG (APPROX)
ITD66	DN15	92	123	3.0
	DN20	92	123	2.9

DIMENSIONAL TABLE

MODEL	SIZE	LENGTH (mm)	HEIGHT (mm)	WEIGHT KG (APPROX)
ITD144	DN15	108	142	8.5
	DN20	108	142	8.5
	DN25	108	142	8.4

ITD144



INSTALLATION OF ITD66 AND ITD144 STEAM TRAPS

Proper installation of high-pressure thermodynamic steam traps, like the Incosteam ITD66 and ITD144, are essential for the efficient and reliable operation of steam systems. By following these guidelines, you can ensure optimal performance, extend the lifespan of the traps, and maintain a safe and efficient steam system.

1. Site Selection:

- Ensure accessibility for maintenance.
- Install close to the equipment to reduce heat loss.

2. Piping Considerations:

- Install horizontally as specified.
- Match pipe size with trap connections.
- Install isolation valves upstream and downstream.
- Place a strainer upstream to prevent debris.
- Ensure the condensate line is pitched correctly.

3. Installation Steps:

- Depressurize and cool the system.
- Clean the piping.
- Install the strainer upstream.
- Mount the trap in the correct orientation.
- Connect the inlet and outlet piping securely.
- Gradually open isolation valves and check for leaks.



MAINTENANCE FOR ITD66 AND ITD144 STEAM TRAPS

Proper maintenance of high-pressure thermodynamic steam traps, like the Incosteam ITD66 and ITD144, are essential for the efficient and reliable operation of steam systems. By following these guidelines, you can ensure optimal performance, extend the lifespan of the traps, and maintain a safe and efficient steam system.

1. Regular Inspections:

- Visually inspect for wear and leaks.
- Listen for the “clicking” sound indicating normal operation.

2. Routine Maintenance:

- Clean the strainer periodically.
- Check for and fix leaks.
- Test the trap's discharge cycle.

3. Troubleshooting:

- **Blocked Trap:** Clean strainer or trap.
- **Continuous Discharge:** Inspect for steam leakage and replace if necessary.
- **No Discharge:** Ensure proper orientation and check for blockages.

4. Periodic Overhaul:

- Disassemble and inspect internal components.
- Replace worn parts with genuine components.
- Reassemble and test the trap.

5. Safety Precautions:

- Depressurize and cool the system before maintenance.
- Wear appropriate PPE.
- Follow the manufacturer's guidelines.



APPLICATIONS

ITD66 and ITD144 High Pressure Thermodynamic Steam Traps

High-pressure thermodynamic steam traps from Incosteam ITD66 and ITD144, are essential in various industrial applications where efficient condensate removal and steam management are crucial. Here are some key applications:

Petrochemical Plants

- Distillation Columns
- Heat Exchangers

Power Generation

- Steam Turbines
- High Pressure Boilers

Oil and Gas Industry

- Refineries: Cracking & Reforming
- Processing Plants

Chemical Industry

- Reactors
- Drying Units

Pulp and Paper

- Paper Machines
- Chemical Recovery

Marine Industry

- Shipboard Steam Systems
- Desalination Plants

Steel Industry

- Rolling Mills
- Annealing Furnaces




About Us

Incosteam International is a leading solution provider supplying Energy Conservation steam products for the process industries.

As pioneers in the realm of energy conservation, we take pride in revolutionizing the way industries harness and preserve energy. Our mission is simple yet impactful to engineer a sustainable future by providing cutting-edge steam solutions. Established with a vision to reshape energy efficiency, we specialize in the manufacturing of state-of-the-art steam products. At Incosteam, we understand the crucial role steam plays in various industrial processes. Our meticulously crafted steam solutions not only ensure optimal performance but also contribute significantly to environmental conservation. What sets us apart is our unwavering commitment to innovation. Our team of dedicated engineers works tirelessly to develop and refine steam products and solutions that redefine industry standards. We believe in pushing boundaries and constantly strive to exceed expectations, providing our clients with solutions that are not just efficient but also cost-effective. **Incosteam – Conserving Energy, Preserving Tomorrow.**

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