Incosteam

Conserving Energy, Preserving Tomorrow

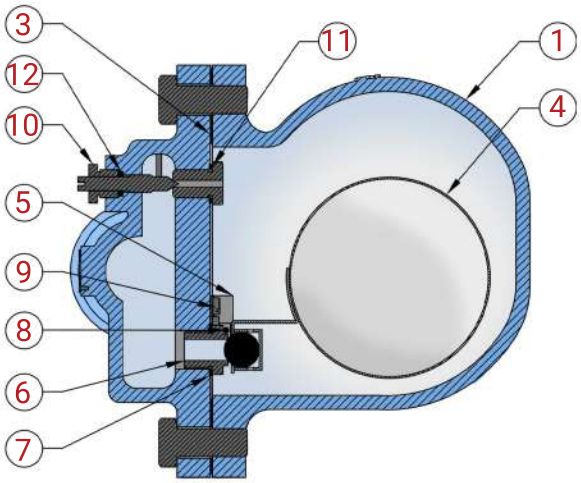
INCOMPARABLE
BALL FLOAT STEAM TRAPS

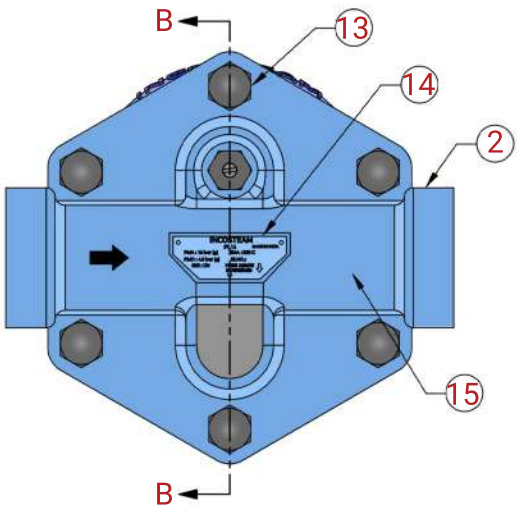
Size: 40 NB, 50 NB

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

CUT SECTION

Incosteam's **40 NB and 50 NB** Ball Float Steam Traps provide a reliable, efficient, and cost-effective solution for condensate management in steam systems, ensuring long-term durability and optimal performance across various industrial applications.





SR.NO	DESCRIPTION	MATERIAL	QTY
1	BODY	C.I. IS210 FG260	1
2	COVER		1
3	COVER GASKET	NON CAF	1
4	LEVER FLOAT ASSLY	AISI 304	1
5	BRACKET	AISI 304	1
6	SEAT	AISI 304	1
7	SEAT GASKET	COPPER	1
8	BRAKET PIN	AISI 304	1
9	BRACKET SCREW	AISI 304	2
10	SLR ASSLY.	AISI 304	1
11	SLR SEAT GASKET	COPPER	1
12	SEAL RING	GRAPHITE WITH AISI 304	1
13	HEX BOLT	HIGH TENSILE 10.9	6
14	NAME PLATE	AISI 304	1
15	NON RETURN VALVE	AISI 304	1

FEATURES

40 NB and 50 NB Ball Float Steam Traps by Incosteam

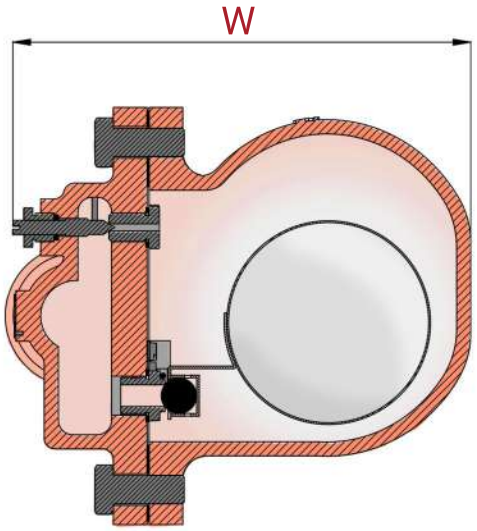
- **High Capacity Discharge**
  Ensures continuous discharge of condensate, handling varying loads efficiently.
- **Integrated Air Venting**
  Automatically removes air during start-up to prevent air binding.
- **Modulating Discharge**
  Adjusts based on condensate load, preventing waterlogging.
- **Non-Return Valve**
  Prevents backflow and ensures consistent operation.
- **Robust Construction**
  Made from durable materials like cast iron or stainless steel for longevity.
- **Easy Maintenance**
  Simple structure allows for straightforward maintenance and cleaning.

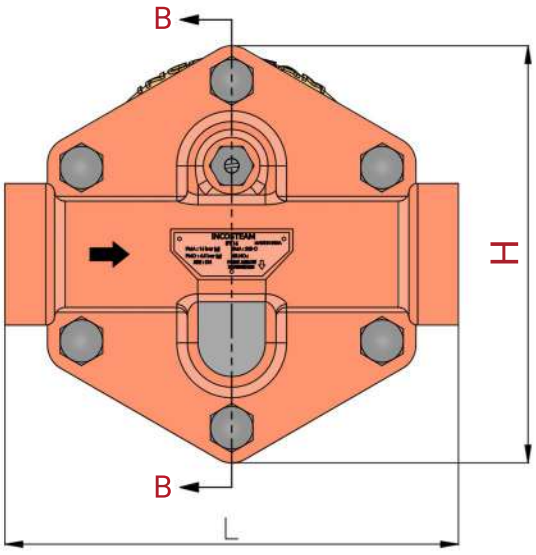
BENEFITS

- **Improved Efficiency**
  Ensures optimal steam usage and thermal efficiency.
- **Optimal Heat Transfer**
  Efficiently removes condensate and air for maximum heat transfer.
- **Energy Savings**
  Prevents steam wastage, lowering operational costs.
- **Lower Maintenance Costs**
  Easy maintenance and corrosion resistance minimize costs.
- **Enhanced Reliability**
  Durable design reduces system failures and downtime.
- **Cost-Effective**
  Combines energy savings, reduced maintenance, and improved efficiency for a cost-effective solution.

DIMENSIONAL TABLE

- Size: **40 NB and 50 NB**





DIMENTIONAL TABLE

MODEL	SIZE	L (mm)	H (mm)	W (mm)	WEIGHT KG (APPROX)
IFT16	DN40	256	236	258	18.3
	DN50	256	236	258	18.3

BODY DESIGN CONDITIONS PN16

MAX. ALLOWABLE PRESSURE – 16 Kg/cm2(g)
MAX. ALLOWABLE TEMPERATURE – 220 °C
MAX. OPERATING PRESSURE – 13 Kg/cm2(g)
MAX. OPERATING TEMPERATURE – 220 °C.
COLD HYDRAULIC PRESSURE – 24 Kg/cm2(g)

INSTALLATION OF BALL FLOAT STEAM TRAPS

Proper installation of Ball Float Steam Traps are crucial for ensuring efficient operation and longevity. Following these guidelines will help maintain optimal performance and prevent costly downtime in your steam system.

1. Site Preparation:

- Ensure the installation site is clean and free from debris.
- Verify that the steam trap size matches the piping system.

2. Positioning:

- Install the steam trap in a horizontal position with the float mechanism on the bottom.
- Ensure the arrow on the trap body points in the direction of condensate flow.

3. Piping Connections:

- Connect the inlet and outlet pipes securely, using appropriate gaskets to prevent leaks.
- Install a strainer upstream to protect the trap from debris.

4. Support:

- Provide proper support to the trap and piping to avoid stress and misalignment.

Safety Tips:

- Always isolate the steam trap from the system before performing maintenance.
- Ensure the system is fully depressurized and cooled down before opening the trap.
- Wear appropriate protective gear, including gloves and eye protection.

MAINTENANCE FOR BALL FLOAT STEAM TRAPS

Regular maintenance of Ball Float Steam Traps are crucial for ensuring efficient operation and longevity. Following these guidelines will help maintain optimal performance and prevent costly downtime in your steam system.

1. Regular Inspections:

- Check the steam trap periodically for signs of wear, leaks, or blockages.
- Listen for abnormal noises that may indicate a malfunction.

2. Cleaning:

- Clean the strainer regularly to prevent debris from affecting trap performance.
- Remove any sediment or scale buildup inside the trap.

3. Testing:

- Test the trap periodically by observing its operation under load conditions.
- Use a thermal imaging device or ultrasonic detector to ensure proper functioning.

4. Replacement Parts:

- Keep spare parts like gaskets, float mechanisms, and valves on hand.
- Replace worn or damaged components promptly to maintain efficiency.

5. Documentation:

- Maintain a log of all inspections, maintenance activities, and replacements.
- Record any issues and the corrective actions taken for future reference.

APPLICATIONS

40 NB and 50 NB Ball Float Steam Traps

Incosteam's 40 NB and 50 NB Ball Float Steam Traps are versatile and essential for a wide range of applications in process industries. Their efficient condensate removal capabilities ensure optimal performance, energy savings, and reliable operation across various systems and equipment.

Heating Systems

- Heat Exchangers
- Radiators

Process Equipment

- Autoclaves
- Reactors

Dryers and Evaporators

- Rotary Dryers
- Evaporators

Distillation Columns

- Reboilers
- Condenser Drains

Food and Beverage Industry

- Cooking Vessels
- Sterilizers

Textile Industry

- Dyeing and Finishing Machines
- Steam Presses

Pulp and Paper Industry

- Paper Dryers
- Steam Heating Rolls

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.**

Get in Touch

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