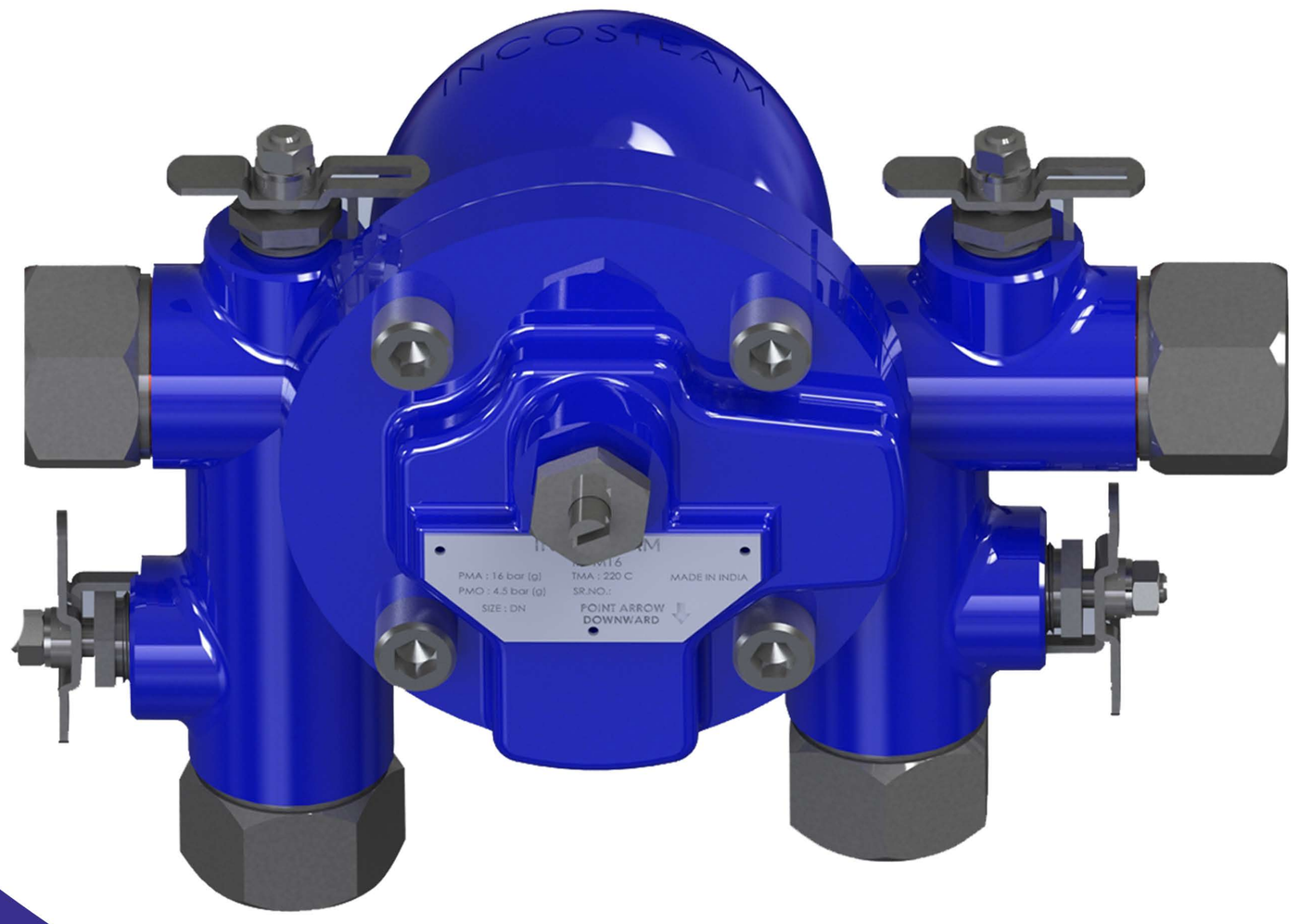
Incosteam

Conserving Energy, Preserving Tomorrow



INCOMPARABLE BALL FLOAT STEAM TRAP MODULE

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

WHY BALL FLOAT STEAM TRAPS MAKE SENSE?

"Don't Let Efficiency Evaporate:
Choose the Right Steam Trap, Save Energy!"

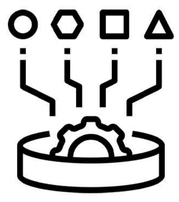
Wrong Selection of Steam Traps lead to :

Energy Loss

Inefficient or incorrectly selected steam traps may lead to energy losses, as they fail to effectively remove condensate from the steam system.

Reduced Thermal Efficency

Improperly selected steam traps may result to reduced heat transfer efficiency. This can impact the overall performance of the equipment in the process plant.Increased Process time.



Process Variability

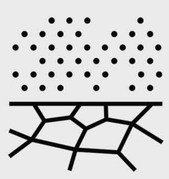
Inconsistent condensate removal can cause variations in temperature and pressure within the steam system,leading to process variability. Quality of End Product of the customer is compromised. Process Time is increased

Maintenance Challenges

The wrong steam trap selection may require frequent maintenance and repairs, leading to increased downtime and operational disruptions. MTTF is decreased

Cost Overruns

Incorrectly selected steam traps may result in unexpected operational costs, including increased energy bills, maintenance expenses, and potential equipment replacements.



Corrosion and Erosion

Steam traps that are not suitable for the specific conditions of the process plant may be prone to corrosion and erosion.

WHAT MAKES OUR SOLUTION INCOMPARABLE?

Float Trap Module in True Sense-
Float Trap, Strainer, SLR, Flushing Valve, Trap Test Valve, NRV, Inlet Valve, Outlet Valve & Bypass Valve
* Compact
* Reduces Leakage Joints
Inlet, Outlet and bypass valves are Full Bore

Unmatched Performance -

Self – Seating Ball Design ensures zero leak float trap
360 Degres Rotational Self Seating Ball design

Maintainable -

Preventive Maintenance
* Flushing Valve ensures ease of maintenance
* Self cleaning ball design ensures auto cleaning of steam
Breakdown Maintenance
*Integrated Valves ensures the trap can be repaired even when the process is on

Eternal Life -

Timely flushing, self-seating design & integrated module design ensures eternal life of trap

INSTALLATION & MAINTENANCE

• We have provided two arrows on the float trap.

• The arrow on the casting indicates the flow direction.

• We have to Flush the Float trap by Flushing valve throughly before putting it to use

• The arrow on the name plate should be pointing downwards.

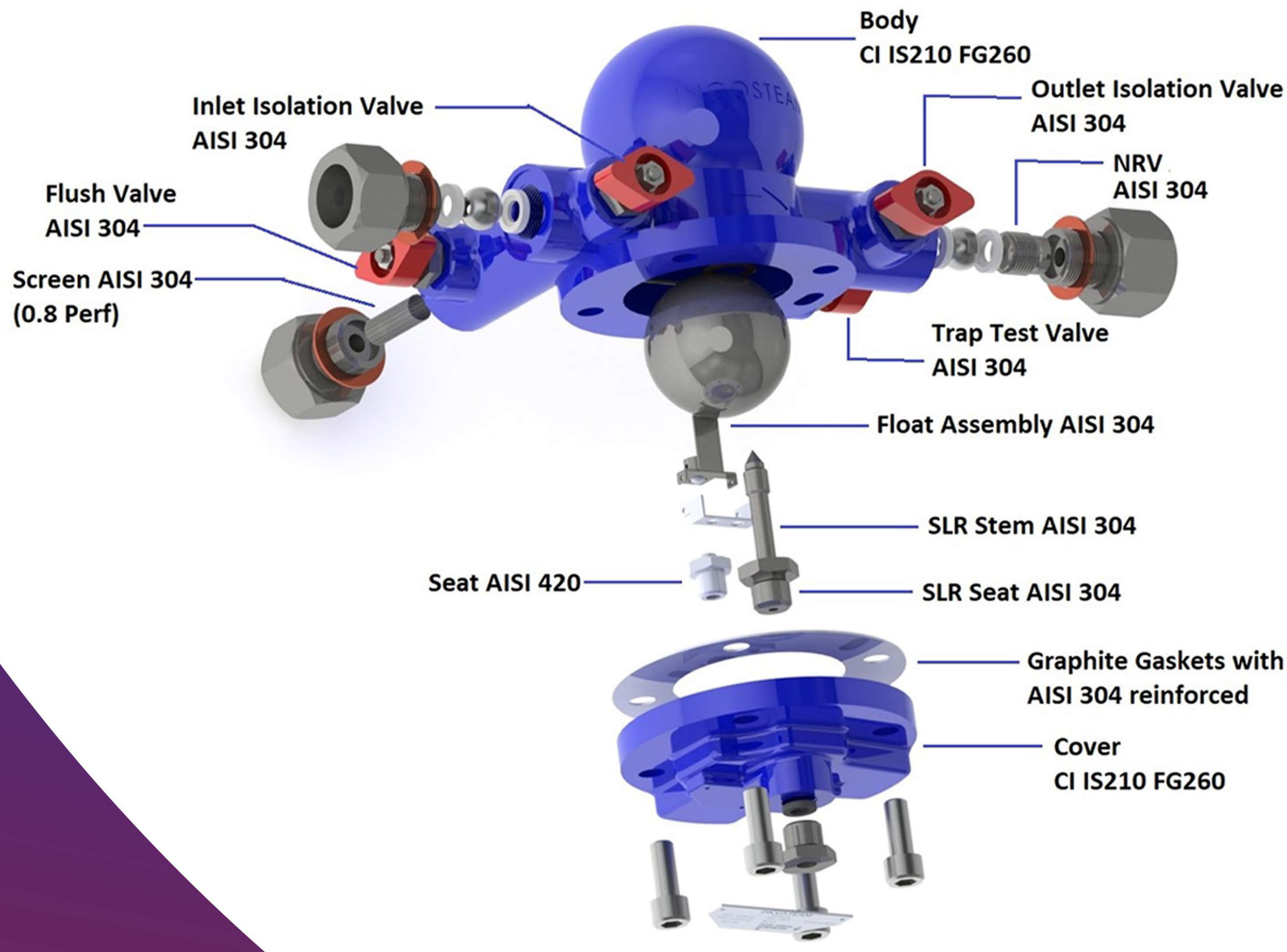
• For checking the Float Trap working use Trap Test valve which has been provided at the outlet of the Float trap. Open the Trap Test valve and the Flow of condensate and steam will tell us how the Float trap is working

•Loosening the lock nut, Once condensate is getting discharge please close the SLR and ensure to tighten the lock nut back.

•We need to clean the strainer through the flush valve every 15 days for 15 seconds when the process is on, this will ensure that the steam pressure will clean flush the strainer screen

• If the trap is not discharging condensate, rotate the SLR anti-clock-wise after loosening its lock nut.

• If the strainer installed on the inlet side of trap chokes, open the flush valve provided before the
strainer screen



INDUSTRIES WE SERVE

- Textiles
- Rice
- Edible Oil Indutry
- Food & Beveragies
- Paper
- Tyre Industry
- Pharma Chemicals
- Chemicals
- Cement
- Oil & Gas
- Dairy

And Many More.....

DIMENSIONAL TABLE

Capacity chart for Float Traps

MODEL	SIZE	0.5	1	1.5	2	2.5	3	3.5
IFT-Ml6-4.5	DN15,20	192	288	360	419	470	518	560
IFT·Ml6·10	DN15,20	116	173	214	251	282	310	336
IFT·Ml6·13	DN15,20	68	102	126	148	166	182	197
IFT-M16-4.5	DN25	478	716	893	1040	1169	1285	1391
IFT-M16-10	DN25	205	307	382	445	500	550	596
IFT·M 16·13	DN25	140	209	260	303	340	375	406

Dimensional Chart

MODEL	SIZE	L-(mm)	H-(mm)
IFT-M 16	DN 15	244	176
	DN 20	244	176
	DN 25	255	176

BODY DESIGN CONDITIONS PN16

Discharge capacity in Kg/hr

MAX. ALLOWABLE PRESSURE - 16 Kg/cm^2 (g)

MAX. ALLOWABLE TEMPERATURE - 220 °C

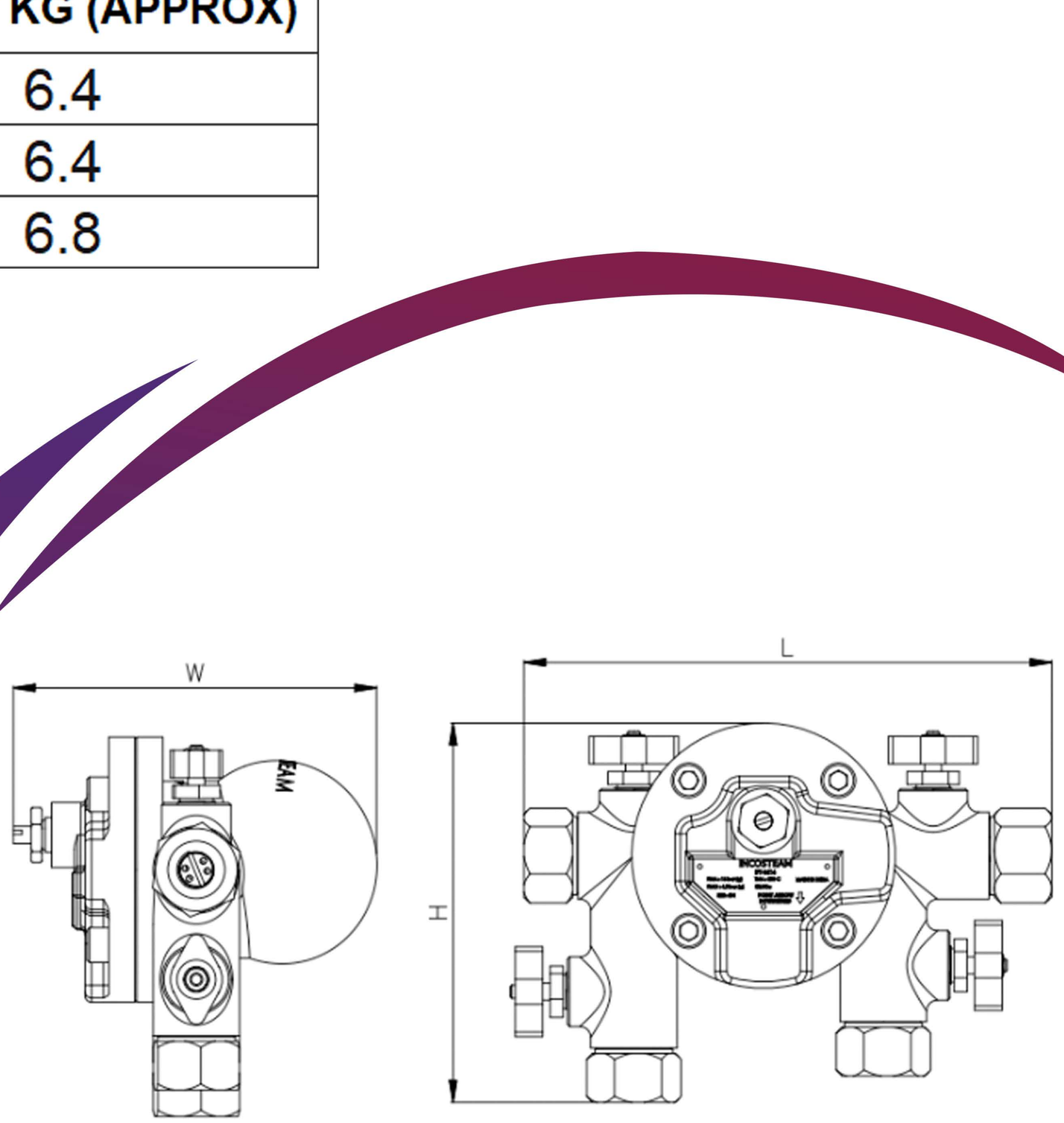
MAX. OPERATING PRESSURE - 13 Kg/cm^2 (g)

MAX. OPERATING TEMPERATURE - 220 °C

COLD HYDRAULIC PREASSURE - 24 Kg/cm^2 (g)

DIFFERENTIAL PRESSURE (bar)										
4	4.5	5	6	7	8	9	10	11	12	13
600	638									
360	382	403	442	478	511	543	572			
211	224	237	260	281	300	319	336	353	369	384
1490	1582									
534	678	715	785	849	908	964	1016			
434	462	487	534	58	618	656	692	726	758	790

-(mm)	WEIGHT KG (APPROX)
169	6.4
169	6.4
175	6.8



Superior Technology Differentiation for IFT – Free Float Ball 360 Degree design.

360-Degree Rotation:

The free 360-degree rotational ball has the capability to rotate 360 degrees, allowing it to move freely in any direction. This design ensures optimal responsiveness to changes in condensate levels and steam flow, promoting efficient condensate removal & zero leak through orifice.

Continuous and Unrestricted Movement:

The 360-degree rotating ball enables continuous and unrestricted movement. This freedom of movement allows the steam trap to adapt to varying conditions, ensuring reliable and consistent performance.

Responsive to Low Loads:

The free 360-degree rotational balls ability to rotate in any direction makes it highly responsive, even to low condensate loads. This is particularly beneficial in situations where there may be fluctuations in steam demand or varying levels of condensate production.

Self-Adjusting Mechanism:

The free 360-degree rotational ball acts as a self-adjusting mechanism, automatically responding to changes in condensate levels. This adaptability ensures that the steam trap remains effective in different operating conditions without the need for manual adjustments.

Self-Cleaning Mechanism:

The free 360-degree rotational ball design allows a self-cleaning working of the trap, thereby allowing the steam trap to work for longer period of time and with minimum downtime and manual cleaning.

Low Maintenance Requirements:

The simplicity of the free 360-degree rotating ball design contributes to low maintenance requirements. The lack of complex mechanisms reduces the likelihood of malfunction, resulting in a more durable and long-lasting steam trap module.

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 inrevolutionizing 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

www.incosteam.com

+91-8055813179

A/P - Dehu,Gat No. - 73, Parandwal Chowk, Bypass Road, Vitthaalwadi, Tal - Haveli,Dist.-Pune, Pin- 412109