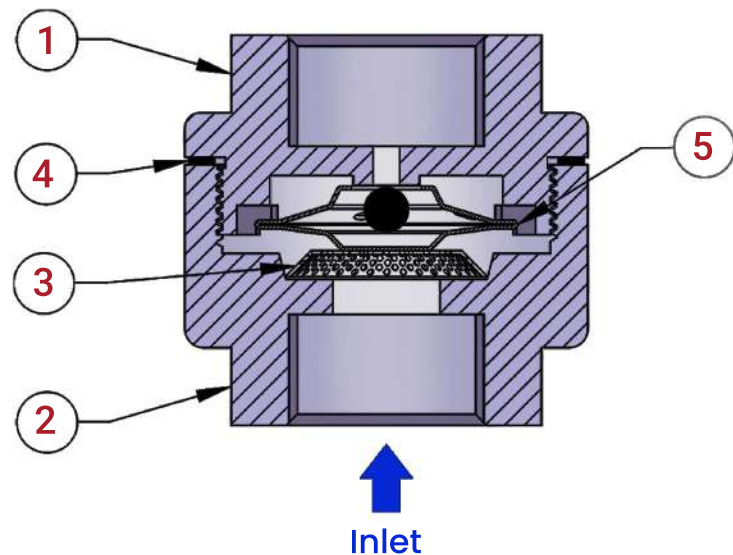


INCOMPARABLE AIR VENTS

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

CUT SECTION

NO	DESCRIPTION	MATERIAL	QTY
1	BODY	AISI 304	1
2	COVER	AISI 304	1
3	SCREEN (0.8 PERF.)	AISI 304	1
4	BODY GASKET	COPPER	1
5	THERMOSTATIC BELLOW	AISI 304	1



DIMENSIONAL TABLE



MODEL	SIZE	LENGTH (mm)	DIAMETER (mm)	WEIGHT KG (APPROX)
ITAV22	DN15,20	53	54.5	0.58

MAX. ALLOWABLE PRESSURE – 22 Kg/cm2(g)
MAX. ALLOWABLE TEMPERATURE – 220 °C
MAX. OPERATING PRESSURE – 22 Kg/cm2(g)
HYDRO TEST PRESSURE – 33 Kg/cm2(g)

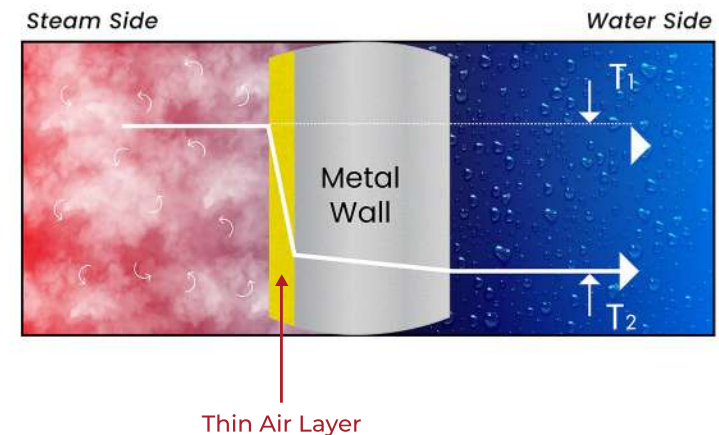
WHY AIR VENTS?

In all steam systems, efficient heat transfer is paramount for optimal performance. While the thickness of the metal surface plays a role, the presence of air poses an even greater threat to heat transfer efficiency. Let's delve into why:

But steam isn't alone that travels through steam systems. It carries moisture and pesky air bubbles that can wreak havoc if left unchecked.

Air in the steam system acts as an insulator, forming a barrier between the steam and the heated surface. This insulating effect hampers heat transfer efficiency, leading to uneven heating and decreased system performance.

Air and moisture aren't just troublemakers; they're also corrosion agents. Over time, corrosion weakens the system, paving the way for leaks and failures.



Mixture of Steam and Air
Temperature vs. Pressure



And that's why thermostatic air vents are critical for steam systems. These unsung heroes automatically remove air and condensate from the steam system.

By minimizing the presence of air and moisture, thermostatic air vents uphold heat transfer efficiency and protect the integrity of the system.

FEATURES & BENEFITS

- **Efficient Air Removal**

Swiftly removes air and non-condensable gases, improving system performance.

- **Compact Design**

Easy to install in various steam system setups, even in tight spaces.

- **Durable Construction**

Built to withstand high temperatures and pressures for long-term reliability.

- **Continuous Operation**

Prevents air buildup, reducing corrosion risk and water hammer.

- **Versatile**

Suitable for diverse steam applications, from industrial processes to HVAC systems.

- **Low Maintenance**

Simple design with minimal moving parts, reducing downtime and costs.

- **Enhanced Safety**

Prevents airlocks, ensuring smooth steam flow for system reliability.

- **Quality Assurance**

Manufactured to high standards and rigorously tested for consistent performance.



INSTALLATION & MAINTENANCE

- **Positioning**

Mount the ITAV22 air vent at the highest point in the steam system to facilitate efficient air removal.

- **Connection**

Connect the air vent to the steam system using appropriate piping and fittings, ensuring a secure and leak-free connection.

- **Orientation**

Install the air vent in the correct orientation as indicated by the manufacturer to ensure optimal performance.

- **Support**

Provide adequate support for the air vent to prevent stress on the piping and fittings.

- **Regular Inspection**

Periodically inspect the ITAV22 air vent for signs of damage, corrosion, or buildup.

- **Cleaning**

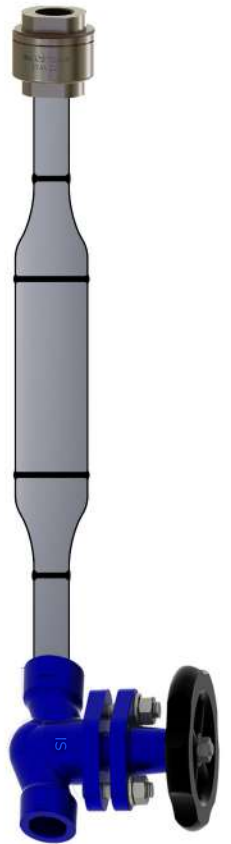
Clean the air vent as needed to remove any debris or buildup that may impede its operation.

- **Testing**

Test the air vent periodically to ensure it is functioning correctly and removing air from the system effectively.

- **Replacement**

If the air vent shows signs of wear or fails to operate as intended, replace it promptly to maintain system efficiency.




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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