

Q : What is the purpose of a steam trap in a steam based systems?

A : To discharge condensate, air and other incondensable gases from a steam system and not allow Live Steam to escape.

Q. Where Steam Traps are used?

A : Where ever Steam is used in a Manufacturing Process.

Q : What happens if steam trap fails to operate?

A : When a steam trap fails open, it acts like an open valve, completely leaking Live Steam and condensate. When a steam trap fails closed, it acts like a closed valve not allowing the steam and condensate to pass through it.

Q : What are the operating principles of three conventional types of steam traps ?

A : Operating principles of three conventional types of steam traps are;

- 1) Mechanical steam traps: Use difference in density between steam and condensate to operate the valve (A float operates the valve).
- 2) Inverted Bucket
- 3) Thermodynamic steam traps: Steam (Flash) flow operate valve (Velocity difference).
- 4) Thermo static steam traps: Sense temperature change of condensate to operate valve

Q : What is the operating principle of Aristi Venturi Nozzle Steam Traps?

A : Reverse Cone shaped replacement insert where, based on Laws of Physics a self – regulation process occurs ( Pressure change and Density )

A very small portion of Condensate Flashes creating a barrier to the Live Steam and only Higher Density Condensate enters the Insert.

For further clarification please refer to Pages 4 & 5 of The Presentation

Q : What are the advantages of Aristi Venturi Nozzle Steam Traps over Conventional / Mechanical types of Steam Traps?

A : Please [CLICK here](#) to understand differences between Conventional / Mechanical and Aristi Venturi Nozzle Steam Traps

Q : How Aristi Venturi Nozzle Steam Traps help in energy saving.

A : With a safety factor of 1:1 ( 1;5 for conventional / Mechanical Traps ) each Aristi Venturi Nozzle Steam Trap is tailored to remove the specific volume of Condensate generated at that location with negligible leakage of Live Steam.

For additional information please review our Presentation

Q. What is the reliability of The Aristi Venturi Nozzle Steam Trap ?

A. With MOC of SS 304, No Moving Parts, 2 x Internal double walled Strainers ( at Inlet & Over the Nozzle ), Inline Flushing with Ball Valve ( provided ) the Aristi Traps life is Guaranteed for 30 to 40 Years.

**Performance & Product Warranty : 10 Years**

Q. What are effects on environment of Aristi Venturi Nozzle Steam Traps over Conventional types of steam traps?

A. Reduction in Fuel Consumption leads to lesser CO2 Emissions. Client can claim Green Credits

Q. What are the technical specifications for ARISTI Venturi steam traps.

A. For Traps Size 15 NB, 20, NB & 25NB - Pressure : 80 KG/CM2, Temperature : 480\*C

For STK S 3 25NB Trap & Above - Pressure : 80 KG/CM2, Temperature : 560\*C

**For HPT N4 ( Very High Pressure & Very High Temperature ) – Pressure 95 KG/CM2, Temperature 600\*C**

Q. How to specify Aristi Venturi Nozzle Steam Traps for procuring suitable substitute of existing conventional traps.

A : Aristi Trap can practically replace any and every type and Size of Conventional / Mechanical Trap. Please send your Data in attached ( [CLICK HERE](#) ) Questionnaires A & B and we will guide / Advise you.

Q. What is the cost benefit analysis of ARISTI Venturi steam traps?

A. Based on application between Line Traps and Process Traps we can assure Energy Savings of between 10 to 20% or more. See Documented Test results conducted at various Industries : Oil Refinery, Textile Mill, Aluminum Refinery, Chemical Plants

Q. Give calculations for ROI for ARISTI Venturi steam traps.

A : ROI depends on Trap application and varies from Location to Location in the same Industry. Please see attached Document and Graph on Page 3 of attached Document ( [CLICK HERE](#) )

Q. What are the customer feedback on ARISTI Venturi Nozzle Steam Traps.

A : Aristi Traps are Operating at various Industries for last nearly 2 Years with any Complaints or requirements of Maintenance. [CLICK HERE](#) for Clients comments

Q. Is there any Insurance cover for ARISTI Venturi steam traps.

A : Each Aristi Trap is Insured for US \$ 1 Million with Client as beneficiary for any Collateral Damage due to an Aristi Trap exploding. ( Terms & Conditions Apply )

Q : What is the discharge rate of Condensate of Aristi Trap?

A : The Aristi Trap with appropriate Nozzle can remove up to 60,000 Liters / Hr ( 60 MT/HR ) of Condensate