

**EnconPune Energy and Air Solutions LLP.**

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**Website: [www.enconpune.com](http://www.enconpune.com)**

**ENCON**

*Conservation : It does not cost, it saves*

## **Company Introduction:**

ENCONPUNE ENERGY AND AIR SOLUTIONS is a consultancy and Project Company for all kind of Thermal Engineering Projects (Specifically in Waste Heat Recovery solutions), Thermal Engineering, Flow and Noise Control. We undertakes "Design Consultancy" as well as "Turnkey projects". We have proven Thermal designs as well as Mechanical designs which are in working at various industries.

Mr. Shrikant Pawar, Director Technical is associated with heat transfer field from last two decade and have a versatile experience specially in the field of **Waste Heat Recovery (WHR), Thermal Projects, Mini Steam & Hot Air / Gas Generators, Vacuum Dryers, Air and Steam vent Silencer, LP & HP Dosing system and Thermic Fluid or Water heating and Cooling Unit .**

**Under Engineering Services we do Air and Thermal Audits, Furnace performance testing, Indoor / Outdoor Air quality testing, Flue Gas Analysis, Insulation testing, Ventilation testing, Sound and Illumination (Lux levels) testing.** We Undertakes Furnace efficiency improvement program and Conducts Thermal Audits. We also organize **“Industrial Training Programs”** on Energy Conservation and Performance Calculations for various thermal equipments.

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## **Our Focus:**

Our Focus is Thermal and Energy Conservation needs. Our motive is "Waste Heat Recovery" and "to design and supply heat transfer equipments for right specifications, to appropriate cost with innovative technology for customer delight". Our prime goal is to recover all kind of waste Energy and to reuse it again for some useful work.

We request you to Visit our Web Site "**[www.enconpune.com](http://www.enconpune.com)**" for more details....

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## **STEAM / AIR VENT SILENCER :**



Fig : Silencer

Steam / Air is vented from boiler / Equipment either from exhaust valves, vent valves, safety valve or from start-up/ warm up vent valves. Very high level of sound (approx. 160 dB to 175 dB) is generated when steam / air is vented from elevated pressure to atmospheric pressure. It is harmful to plant people and is also audible over large distance, hence equally harmful to society around. Our product silencer is specially designed to reduce this **sound level to around 85 to 110 dB** that is to safety zone.

Our design of silencer is completely customized suitable for customer<sup>TM</sup> requirements and site conditions. For Silencer design we follow guidelines as per **OSHA**, basic principle of acoustic & mechanical design is **as per ASME sec VIII div. I.**

### **We design and manufacture silencers for**

1. Superheated steam
2. Saturated steam
3. Start up and warm up vents
4. Blow down applications
5. For any other Steam / Air / Nitrogen vents

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**Range** “Our design of silencer is completely customized as per our customer™ requirements. We have wide range of silencers from **0.5TPH to 100TPH steam / air flow and for pressure 1kg/cm<sup>2</sup>(g) to 150kg/cm<sup>2</sup>(g)**. Generally, we recommend to erect silencer vertically but for space constraints we can provide horizontal as well as inclined designs too.

**Application on Boiler**

1. Silencer on drum safety valve
2. Silencer on drum safety valve 2
3. Silencer on superheater safety valve
4. Silencer on EMSV
5. Silencer on start up vent
6. Silencer on warm up vent
7. Silencers for Blow Down Applications

**Our Few Valuable Client:**



Manchester Organics, A Group Company of Navin Fluorine International Limited

**valmont** 



**Many more valuable clients...**

**Contact Details:**

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