

EnconPune Energy and Air Solutions LLP.

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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**" for more details....

LP and HP Dosing System:



Fig: LP and HP Dosing System

An **LP (Low Pressure) & HP (High Pressure) Dosing System**, typically skid-mounted, is a compact, pre-assembled package for dosing chemicals precisely into boiler feedwater or process streams. These systems are widely used in:

- Boiler units (LP, IP, HP sections),
- Water treatment (WTP, STP, ETP),
- Oil & gas, sugar, and refinery industries.

Components & Features

According to various manufacturers (e.g., Minimax, Shriram Associates):

- **Solution Preparation Tank** – single or multi-compartment, often paired with agitators for mixing.
- **Dosing Pumps** – plunger or diaphragm-type, single or multiple units.
- **Instrumentation** – pressure gauges, level gauges, switches, PRVs, sensors, VFDs, and interconnecting pipes and valves.
- **Agitators & Valves** – to ensure uniform chemical mixing and controlled dosing.
- **Materials** – typically stainless steel (SS 304 / 316), sometimes HDPE, PP, FRP coatings as per chemical compatibility.

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Specification Table

| Feature | Typical Specifications |
|-----------------|---|
| Flow Rate | LP → up to ~10,000 LPH; Multiplex up to ~75,000 LPH |
| Pressure | LP ~10 kg/cm ² ; HP up to ~500 kg/cm ² (Head up to 5,000 m) |
| Pumps | Plunger / Diaphragm, single or multiple units |
| Materials | SS 304 / 316, PTFE, PP, HDPE, FRP, Hastelloy-20, Titanium |
| Instrumentation | Level/pressure gauges, PRV, VFDs, sensors, level switches |
| Configurations | Skid-mounted with agitator, solution tank, piping, control systems |
| Applications | Boiler units (LP/IP/HP), WTP/STP/ETP, oil & gas, sugar, refinery |
| Control | Manual, Semi-automatic, or Fully automatic |

Our Few Valuable Client:



valmont



Many more valuable clients..

Contact Details:

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