

EnconPune Energy and Air Solutions LLP.

S block, Bhosari MIDC, Pune - 411026

Email: marketing@enconpune.com

Website: 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**" for more details....

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Thermic Fluid and Water Heating & Cooling Systems:



Fig: Thermic Fluid and Water Heating & Cooling System

We designs and manufactures **Thermic Fluid Heating & Cooling Systems** engineered for precise temperature control in industrial process applications. The system is designed for safe, stable, and energy-efficient heating and cooling using various thermic fluid / Water as the heat transfer medium.

***** Please note: We can provide customized models too.**

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Operating Parameters: (For Standard Models):

| | |
|--------------------|--|
| Flow Rate | 20LPM to 200 LPM |
| Temperature | (-)10 to (+)390 °C For TF Systems and (-)10 to (+)85 °C for Water Systems |
| Pressure | From 1 Kg/cm² (A) to 5 KG/CM² (A) |
| MOC | Stainless steel |
| Power | 5KW TO 40KW |

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| | |
|-------|----------------------------|
| Phase | Single Phase / Three Phase |
|-------|----------------------------|

Standard Models:

| Model | Rated Power KW | Max. Working TF Temperature Heating / Cooling °C | Max. Working Water Temperature Heating / Cooling °C |
|---------|----------------|--|---|
| ENHC 5 | 5 | 350 / (-)10 | 85 / (+)10 |
| ENHC10 | 10 | 350 / (-)10 | 85 / (+)10 |
| ENHC 15 | 15 | 350 / (-)10 | 85 / (+)10 |
| ENHC 20 | 20 | 350 / (-)10 | 85 / (+)10 |
| ENHC 30 | 30 | 350 / (-)10 | 85 / (+)10 |
| ENHC 40 | 40 | 350 / (-)10 | 85 / (+)10 |

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Salient Features of Thermic Fluid Systems

- Very Compact design.
- **High Thermal Efficiency** — With closed-loop design and minimal losses, efficiency can exceed 90–95%.
- **Lower Pressure, Higher Temperatures** — Can safely reach 300–390 °C at near-atmospheric pressure.
- **Better Temperature Control & Uniform Heat** — Precise control ensures consistent process performance.
- **Fuel Flexibility** — Supports diesel, gas, electric, etc.
- **Low Maintenance & Long Life** — Less scaling, no steam systems, and fluid degradation is slow with proper handling.

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- **Safety Advantage** — Eliminates high-pressure risks and reduces site hazards like boiler explosions.
- **Eco-Friendly Options** — Electric models offer clean, low-emission heating; synthetic oils can be recycled.
- **Cooling with Thermic Fluid Systems-** Though primarily used for heating, thermic fluid loops can also support cooling:
- A temperature control loop can integrate a heat exchanger to remove heat from process streams, enabling precise temperature regulation. This is a manual shifting mode from heating cycle to cooling cycle.
- **Precise Control-** Accuracy of temperature controller is in the range of +/- 1°C.
- **Portable** Unit made for indoor applications.

Our Few Valuable Client:



valmont



Many more client...

Contact Details:

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