



STEAMTHERM
BOILERS PVT. LTD.

Engineering Efficient Heat Solutions

THERMIC FLUID HEATER

VTM SERIES VERTICAL THREE PASS MANUAL FIRED



THREE PASS DESIGN

- Maximum Heat Transfer
- Higher Efficiency
- Lower Fuel Consumption
- Easy Operation
- Rugged Construction



CAPACITY RANGE
**1,00,000 to
20,00,000**
Kcal/hr



WORKING TEMPERATURE
Up to **300°C**

HEAT TRANSFER FLUID
THERMIC OIL

FUEL OPTIONS



COAL



WOOD



BRIQUETTE



BIOMASS
PELLETS



AGRO WASTE

WIDELY USED IN



FOOD
PROCESSING



CHEMICAL
INDUSTRY



TEXTILE
INDUSTRY



PHARMACEUTICALS



PLYWOOD &
LAMINATE



DAIRY
INDUSTRY



RUBBER &
PLASTIC INDUSTRY



HIGH THERMAL
EFFICIENCY



LOW FUEL
CONSUMPTION



RUGGED &
DURABLE



EASY
OPERATION



LONG
SERVICE LIFE



ECO FRIENDLY
DESIGN

POWERING HEAT. MAXIMUM EFFICIENCY HEAT TRANSFER

INSTALLATION PHOTOS



OUTDOOR INSTALLATION



INDOOR INSTALLATION



INDOOR INSTALLATION



APPLICATIONS

- ✓ Food Processing
- ✓ Chemical Industry
- ✓ Textile Industry
- ✓ Pharmaceuticals
- ✓ Plywood & Laminate
- ✓ Dairy Industry
- ✓ Rubber & Plastic Industry
- ✓ Edible Oil Industry



FEATURES

- ✓ High Thermal Efficiency up to 80%
- ✓ Low Fuel Consumption
- ✓ Three Pass Heat Transfer Design
- ✓ Easy Maintenance
- ✓ Robust Construction
- ✓ Long Service Life
- ✓ Multi Fuel Compatible
- ✓ Eco Friendly Design



TECHNICAL SPECIFICATIONS

PARAMETER	DETAILS
Capacity	1,00,000 to 20,00,000 Kcal/hr
Working Temperature	Up to 300°C
Fuel	Coal, Wood, Briquette, Biomass Pellets, Agro Waste
Operation	Manual Fired
Heater Type	Vertical Coil Type
Heat Transfer Fluid	Thermic Oil
Efficiency	Up to 80% ± 5%
Design	Vertical Three Pass Design
Mounting	Floor Mounted
Insulation	High Grade Mineral Wool
Construction	M.S. Plate Fabricated
Control Panel	Optional

THREE PASS HEAT TRANSFER DESIGN



1

FIRST PASS

Initial heat absorption in the first pass.

2

SECOND PASS

Enhanced heat transfer in the second pass.

3

THIRD PASS

Maximum heat recovery and outlet temperature stability in the third pass.

WHY CHOOSE VTM SERIES?

- High Efficiency Heat Transfer
- Low Fuel Consumption
- Simple & Reliable Operation
- Minimum Maintenance
- Long Equipment Life
- Environment Friendly



CONSISTENT &
UNIFORM HEATING



LOWER
OPERATING COST



SAFE &
RELIABLE OPERATION



COMPACT &
RUGGED DESIGN

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