

Engineering Steam Solutions
for a Sustainable Future

THERMIC FLUID HEATER VFM SERIES

VERTICAL FOUR PASS

MANUAL FIRED



FOUR PASS DESIGN

Maximum Heat Transfer • Higher Efficiency • Lower Fuel Consumption



CAPACITY RANGE

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



WORKING TEMPERATURE

Up to **300°C**



SOLID FUEL / BIOMASS FIRED

Wood • Coal • Briquette •
Biomass Pellets • Agro Waste

SOLID 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
MAINTENANCE



ECO FRIENDLY
DESIGN

RELIABLE HEAT. MAXIMUM EFFICIENCY.

INSTALLATION PHOTOS



OUTDOOR INSTALLATION



INDOOR INSTALLATION



INDOOR INSTALLATION



APPLICATIONS

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



FEATURES

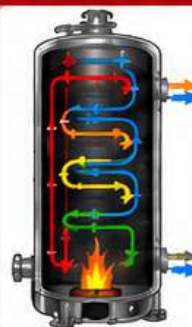
- ✓ High Thermal Efficiency up to 80%
- ✓ Low Fuel Consumption
- ✓ Uniform Heat Transfer
- ✓ Easy Maintenance
- ✓ Robust Construction
- ✓ Long Service Life
- ✓ Multi Fuel Compatible
- ✓ Eco Friendly Design



TECHNICAL SPECIFICATIONS

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

FOUR PASS HEAT TRANSFER DESIGN



- FIRST PASS**
Heat transfer in first pass increases oil temperature
- SECOND PASS**
Further heat absorption in second pass
- THIRD PASS**
Maximum heat transfer in third pass
- FOURTH PASS**
Final pass ensures uniform outlet temperature



ADVANTAGES

- ✓ Consistent & Uniform Heating
- ✓ Lower Operating Cost
- ✓ Safe & Reliable Operation
- ✓ Compact Design
- ✓ Compact Design
- ✓ Environment Friendly
- ✓ High Return on Investment

STEAMTHERM
BOILERS PVT. LTD.

176, Sector-H, Govindpura Industrial Area,
Bhopal, Madhya Pradesh – 462023

+91 9827606514

infosteamtherm@gmail.com

www.steamthermboilers.in



SCAN FOR WEBSITE

ENGINEERING EFFICIENT HEAT SOLUTIONS