

VTH SERIES

Thermal Oil Heaters

500,000 – 3,000,000 kcal/h · Diesel, natural gas or heavy fuel oil · CE marked

582 – 3,489 kW	230 °C	min. 85 %	1997
thermal output	operating temperature	efficiency	experience since

Safe, certified and efficient three-pass thermal oil heaters for bitumen, emulsion and asphalt plants — built, tested and supplied as one package.

VTH heaters circulate thermal oil through a seamless P235GH coil in a three-pass horizontal body. The heater, Vimpo VKY circulation pump, expansion tank, degasifier, control panel and chimney are supplied together, so the system is ready to connect to your tanks and plant.

- Five sizes from 500,000 to 3,000,000 kcal/h
- Diesel, natural gas or heavy fuel oil
- CE marked; EN ISO 3834-2 and EN 1090-2 EXC3
- Coils hydrostatically tested at 14 bar
- Vimpo VKY circulation pumps, made in-house

KEY FEATURES

Safe, certified, efficient

Safe operation
PT100 at inlet and outlet, Danfoss pressure sensors, high-temperature limit thermostat and safety interlocks.

Certified manufacturing
CE marked; 2006/42/EC, 2014/30/EU, EN ISO 3834-2, EN 1090-2 EXC3; coils tested at 14 bar.

High efficiency
Three passes and a matched two-stage or modulating burner: min. 85 % at full load.

Quality components
Seamless P235GH coil, Danfoss, Schneider Electric / Eaton, Weidmüller; IP54 / IP55.

Minimum downtime
Own-made VKY pump, standard components, factory testing, service from Ankara, Herford and Pune.

One package
Pump, expansion tank, degasifier, control panel and chimney delivered with the heater.

THE RANGE

Choose your capacity

Every size is available in three fuel versions: diesel (D), natural gas (NG) and heavy fuel oil (HF). Width × height is 2,240 × 2,400 mm on all sizes. VTH-1000 is the most preferred size.

	VTH-500	VTH-1000	VTH-1500	VTH-2000	VTH-3000
Thermal capacity (kcal/h)	500,000	1,000,000	1,500,000	2,000,000	3,000,000
Thermal output	582 kW	1,163 kW	1,745 kW	2,326 kW	3,489 kW
Firing rate	684 kW	1,368 kW	2,052 kW	2,736 kW	4,105 kW
Oil inlet / outlet	DN80	DN80	DN100	DN100	DN125
Circulation pump	VKY 32-200 7.5 kW	VKY 65-200 15 kW	VKY 80-200 37 kW	VKY 80-200 37 kW	2 × VKY 80-200 37 kW
Length (mm)	4,270	5,270	6,270	7,000	8,700
Weight	4,600 kg	6,200 kg	7,800 kg	9,300 kg	12,500 kg
Chimney	5 m	5 m	10 m	10 m	10 m

FUEL VERSIONS

D **Diesel**
Two-stage or modulating burner · carbon steel chimney

NG **Natural gas**
Natural gas burner · CE marked stainless steel insulated chimney, EN 1856-1

HF **Heavy fuel oil**
Heavy fuel oil burner with fuel preheater · carbon steel chimney

STANDARD SCOPE

- Insulated heater: 50 mm rock wool, galvanized cladding
- Vimpo VKY circulation pump
- Expansion tank and degasifier
- Control panel: automatic temperature and pump control
- PT100, Danfoss pressure sensors, limit thermostat
- Burner and chimney by fuel version

WHERE VTH WORKS

- **Asphalt plants**
- **Bitumen storage tanks and terminals**
- **Emulsion and PMB plants**
- **Bitumen melting plants**
- **Refineries**


VTH-1500 — at our Ankara factory


VTH-500 — ready for delivery

Let's size your heater

Tell us the heat demand, fuel and site conditions — we will recommend the right VTH model and send the technical data sheet and quotation. Commissioning, operator training and spare parts from Ankara, Herford (Germany) and Pune (India).

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CE · EAC · TSE · ISO 9001 · ISO 14001 · ISO 45001
EN ISO 3834-2 · EN 1090-2 EXC3

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