



# THERMAL OIL HEATER



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AFTERSALES SUPPORT | BIOMASS | ELECTRIC STEAM BOILER | PROJECT MANAGEMENT  
FIRE-TUBE BOILER | IIoT SYSTEMS | MANUFACTURING | QUICK STEAM BOILER  
PROJECT MANAGEMENT | **THERMAL OIL HEATERS** | TRAINING CENTER | WATERTUBE SYSTEMS

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## THERMAL OIL HEATER

FLEXIBLE DESIGN.  
FLEXIBLE FUEL.  
ECONOMICAL.

*PROVEN SOLUTIONS*



### EFFICIENT & RELIABLE THERMAL OIL HEATERS

Achieve high **efficiency** and **reliability** in your industrial operations with high-tech **thermal oil** heaters!

Enjoy significant **energy savings** as these advanced heating solutions excel at heat transfer, reducing energy consumption and operational costs.

Our advanced technology allows you to burn multiple fuels in the same installation at the same time.

Feel the benefits that can be achieved through **decreased maintenance** needs, and **prolonged equipment** lifespan.

### BENEFITS

- > High Efficiency
- > Low Maintenance
- > Horizontal or Vertical
- > Multifuel Options

### ACCELERATE YOUR BUSINESS TODAY

As your **trusted supplier**, we are committed to delivering exceptional thermal oil heaters tailored to meet your unique business needs.

Experience the **value of partnering** with us and take your company to new heights with our top-of-the-line thermal oil heaters.

Our commitment extends to **full support** for the lifetime of your thermal oil heater system.



Flexible Fuel Options



Improve Production



24/7 On-call Support

## WATER-FREE EXCELLENCE

### DISCOVERING THE ADVANTAGES OF THERMAL OIL

Thermal oil offers distinct advantages over water-based systems, particularly in applications requiring high temperatures. Its exceptional temperature stability allows for precise control and uniform heating, making it ideal for industries such as chemical processing and manufacturing. This results in enhanced productivity and product quality.

Though thermal oil has a higher viscosity than water, it still ensures efficient heat transfer with the advantage of significant reduction in corrosion and scaling. This reduces maintenance requirements and extends the system's lifespan. It is particularly beneficial in closed-loop heating applications, where reliable and efficient heat transfer is essential.

With higher thermal conductivity, thermal oil facilitates efficient heat transfer, reducing startup times and enhancing overall system performance. Its ability to retain heat makes it suitable for applications that require continuous and consistent heat supply. Utilizing thermal oil can lead to improved energy efficiency and cost-effectiveness in operations.



## PARTNER FOR LIFE

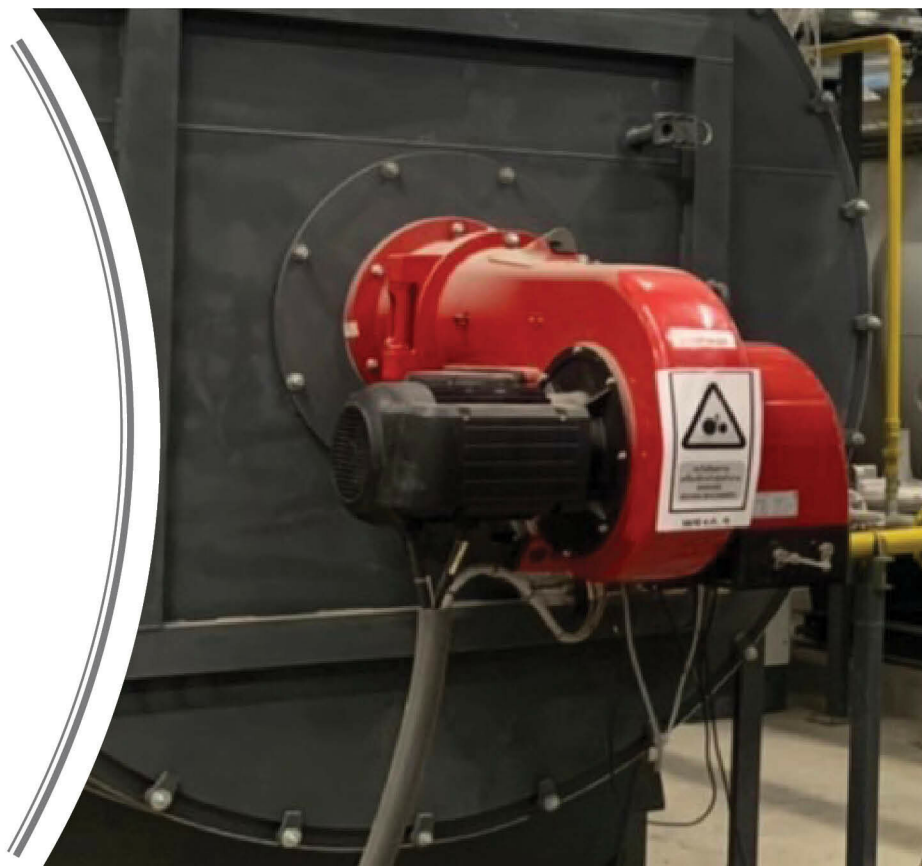
GETABEC's comprehensive support extends across the lifetime of your system and operations. From design and manufacturing to installation and after-sales support, all stages are rigorously controlled in-house, ensuring optimal quality.

Trust in our industry-leading expertise, backed by International certifications, for a system that delivers both unmatched performance and enduring durability. When choosing GETABEC, you're investing in reliability and efficiency that stands the test of time.

## COMPATIBLE WITH ANY FUEL

OIL & GAS.  
HYDROGEN.  
BIOGAS.

PROVEN EXPERIENCE







HOT OIL INSTALLATION



BALANCE OF PLANT

# GETABEC

IN-HOUSE LIFETIME SERVICES

DESIGN & ENGINEERING



MANUFACTURING



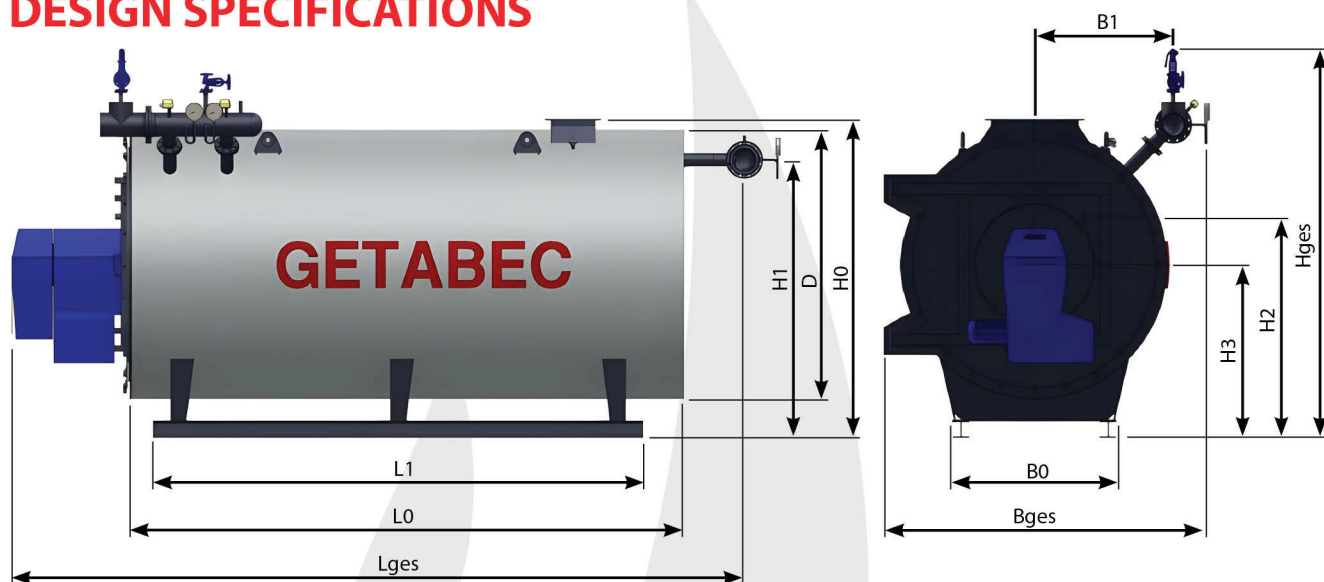
INSTALLATION



AFTERSALES & UPGRADES

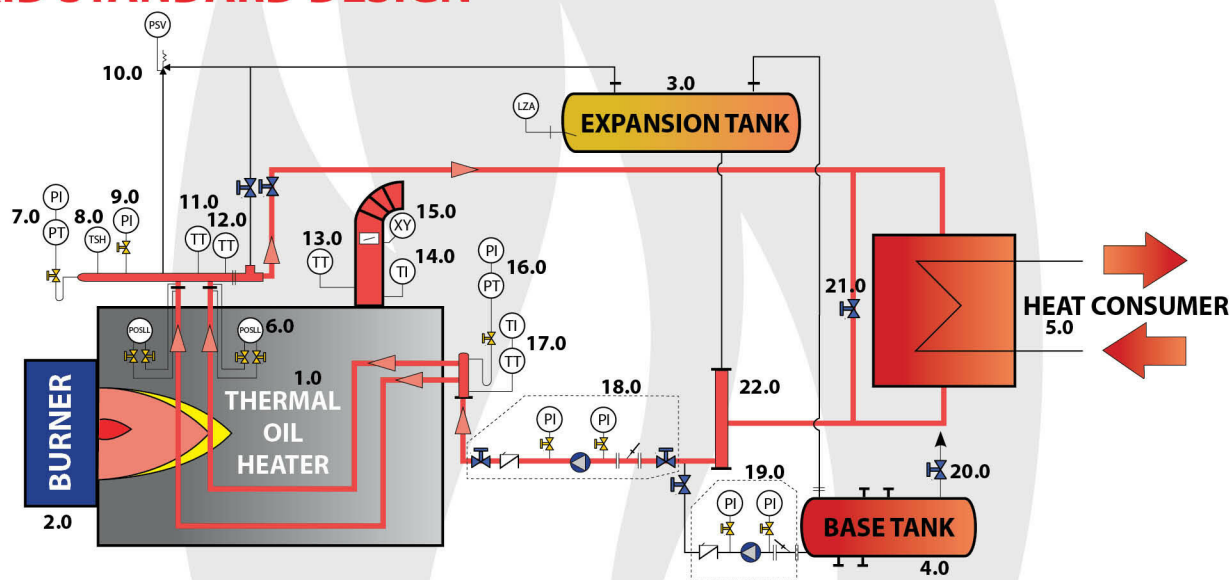


## DESIGN SPECIFICATIONS



| MODEL (kcal/hr) | 300,000 | 400,000 | 600,000 | 800,000 | 1,000,000 | 1,300,000 | 1,500,000 | 2,000,000 | 2,500,000 | 3,000,000 | 4,000,000 |
|-----------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Dimensions (mm) | 1470    | 950     | 1133    | 1470    | 1365      | 1453      | 1767      | 1835      | 1955      | 2171      | 2190      |
| Lges (mm)       | 4413    | 3218    | 3300    | 4120    | 4181      | 5161      | 5100      | 6037      | 5840      | 6891      | 7719      |
| L0 (mm)         | 2823    | 2016    | 2415    | 2869    | 2905      | 3382      | 3623      | 4018      | 4355      | 5100      | 5964      |
| L1 (mm)         | 2895    | 1555    | 1800    | 2669    | 2000      | 2425      | 2475      | 3830      | 3500      | 4650      | 5550      |
| Hges (mm)       | 2572    | 2028    | 2140    | 2482    | 2326      | 2269      | 2630      | 2990      | 3136      | 3474      | 3308      |
| H0 (mm)         | 2178    | 1484    | 1666    | 1691    | 1857      | 2111      | 2202      | 2315      | 2512      | 2921      | 2745      |
| H1 (mm)         | 1892    | 1226    | 1400    | 1277    | 1573      | 1841      | 1754      | 2017      | 2194      | 2565      | 2434      |
| H2 (mm)         | 1330    | 917     | 1115    | 1136    | 1270      | 1513      | 1493      | 1497      | 1626      | 1390      | 1834      |
| H3 (mm)         | 1225    | 800     | 875     | 836     | 850       | 1175      | 1108      | 1188      | 1315      | 1586      | 1450      |
| Bges (mm)       | 2175    | 1606    | 1759    | 1548    | 1897      | 2087      | 2367      | 2623      | 2689      | 2993      | 2913      |
| B0 (mm)         | 1200    | 1000    | 1100    | 1376    | 1400      | 1100      | 1800      | 1500      | 1280      | 1500      | 1500      |
| B1 (mm)         | 907     | 601     | 624     | 107     | 734       | 854       | 849       | 1109      | 1094      | 1195      | 1137      |
| B2 (mm)         | 315     | 215     | 200     | 315     | 320       | 320       | 422       | 410       | 500       | 435       | 410       |

## P&amp;ID STANDARD DESIGN



|      |                                    |      |                                       |
|------|------------------------------------|------|---------------------------------------|
| 1.0  | Thermal Oil Heater                 | 12.0 | Temperature Transducer Hot Oil Outlet |
| 2.0  | Burner                             | 13.0 | Temperature Transducer Hot Gas Outlet |
| 3.0  | Expansion Tank                     | 14.0 | Temperature Indicator Hot Gas Outlet  |
| 4.0  | Base Tank                          | 15.0 | Damper                                |
| 5.0  | Heat Consumer                      | 16.0 | Pressure Transducer Hot Oil Inlet     |
| 6.0  | Differential Pressure Switch       | 17.0 | Temperature Transducer Hot Oil Inlet  |
| 7.0  | Pressure Transducer Hot Oil Outlet | 18.0 | Circulating Pump                      |
| 8.0  | Temperature Switches #1            | 19.0 | Filling Pump                          |
| 9.0  | Pressure Indicator                 | 20.0 | Vent Valve of Base Tank               |
| 10.0 | Safety Valve                       | 21.0 | Bypass Valve                          |
| 11.0 | Temperature Switches #2            | 22.0 | Oil Header                            |

**=YOUR** RELIABLE PARTNER  
BUSINESS SUCCESS

AUTHORIZED MANUFACTURER



Lloyd's Register  
LRQA



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