



FIRE-TUBE BOILER

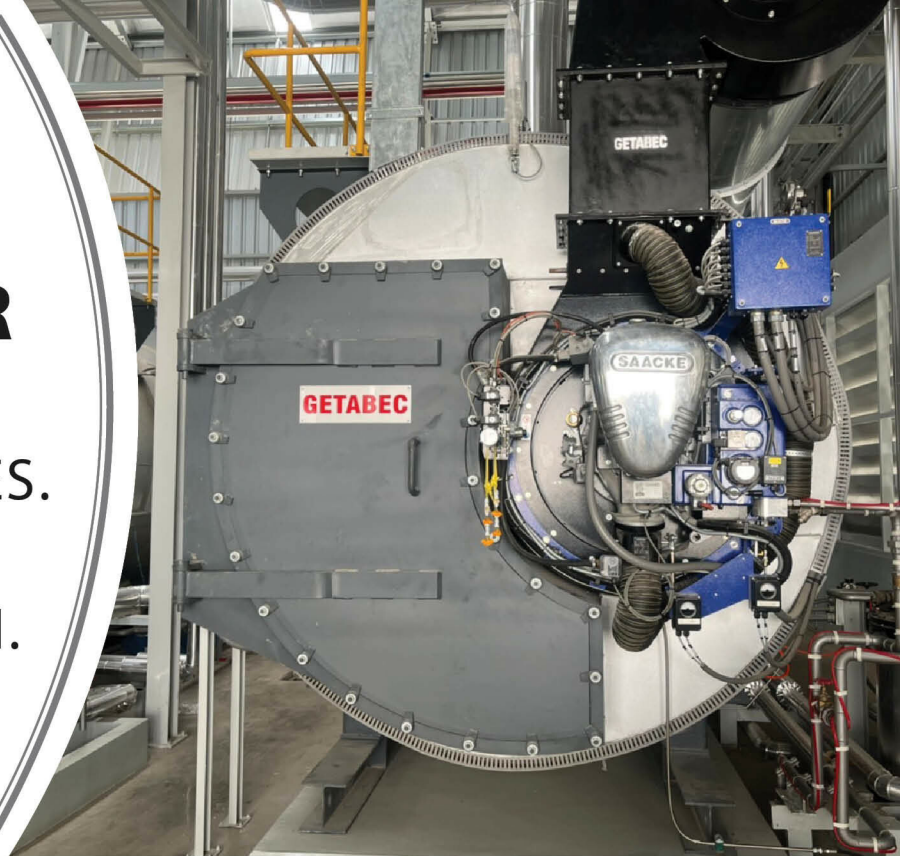


AFTERSALES SUPPORT | BIOMASS | ELECTRIC STEAM BOILER | EPC MANAGEMENT
FIRE-TUBE BOILER | IIoT SYSTEMS | MANUFACTURING | QUICK STEAM BOILER
PROJECT MANAGEMENT | THERMAL OIL HEATERS | TRAINING CENTER | WATERTUBE SYSTEMS

FIRE-TUBE BOILERS WITH BURNER

EFFICIENT 3 PASSES.
FLEXIBLE FUEL.
VERSATILE DESIGN.

PROVEN SOLUTIONS



STABLE & EFFICIENT FIRE-TUBE BOILERS

Experience the cost savings with our superior high-performance boilers utilising optimized **three pass fire-tube** system.

Our innovative design maximizes energy transfer through the multiple passes, ensuring **optimal efficiency** and **reducing fuel** consumption.

Our boilers, designed with exceptional versatility, allow the use of different burners for **diverse fuel types**. This ensures reliable performance tailored to your preferences.

BENEFITS

- > Stable Steam Supply
- > Simple Maintenance
- > Customizable
- > 0.5-55 tph, 3-30 barg

ACCELERATE YOUR BUSINESS TODAY

As your **trusted supplier**, we are committed to delivering exceptional fire-tube boilers 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 system.

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



Lifetime Support



Improve Production



24/7 On-call Support

BOOST EFFICIENCY, EMBRACE DURABILITY

HIGH EFFICIENCY, RELIABLE OPERATIONS, FLEXIBLE FUEL

The three-pass design of fire-tube boilers offers a distinct advantage in heat transfer efficiency. With each pass, the combustion gases and burner flame make contact with the heat exchanger surfaces, allowing for optimal energy transfer to the water. This efficient heat transfer results in higher thermal efficiency, reduced energy consumption, and cost savings.

The multi-pass configuration ensures balanced heat distribution and reduced stress on the boiler components. The longer residence time of the flue gases within the boiler enhances heat absorption and reduces thermal shock. This robust design contributes to the boiler's durability, longevity, and reliable operation, minimizing downtime and maintenance costs.

Fire-tube boilers with a three-pass design offer versatility in burner options, accommodating a variety of fuel types. This flexibility allows operations in different industries providing quick response to load changes, ensuring stable and responsive steam production. Adaptability is ideal for various operational requirements and enhances overall system efficiency.



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





SINGLE FLAME TUBE



DOUBLE FLAME TUBE

GETABEC

IN-HOUSE LIFETIME SERVICES

DESIGN & ENGINEERING



MANUFACTURING



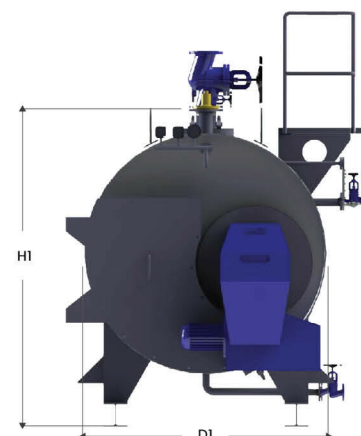
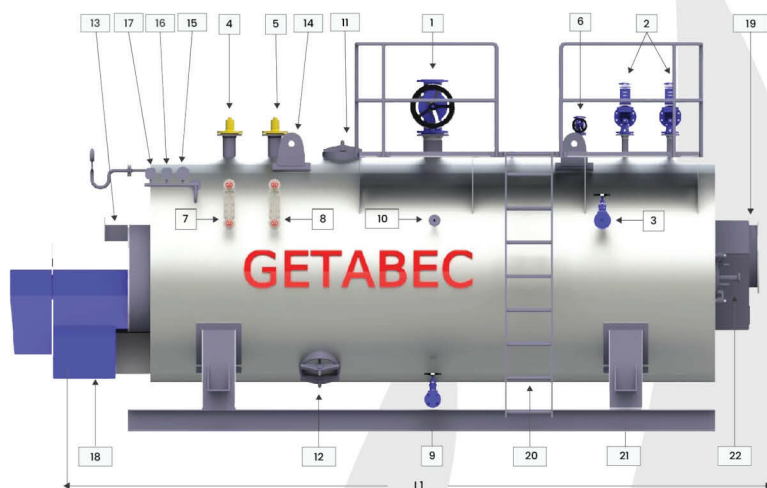
INSTALLATION



AFTERSALES & UPGRADES



DESIGN SPECIFICATIONS

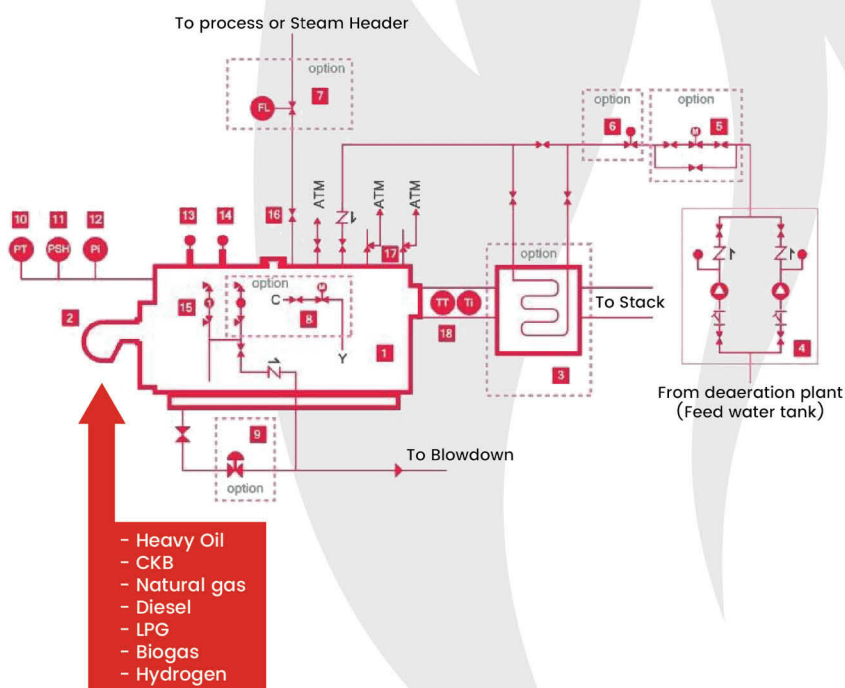


| | | | |
|----|--------------------------------|----|------------------------|
| 1 | Main Steam Valve | 12 | Head Hole |
| 2 | Safety Valve | 13 | Front Reversal Chamber |
| 3 | Feed Water Valve | 14 | Lifting Lug |
| 4 | Water Level Control | 15 | Pressure Gauge |
| 5 | Water Level Alarm | 16 | Pressure Switch |
| 6 | Vent Valve | 17 | Pressure Transmitter |
| 7 | Water Level Indicator | 18 | Burner |
| 8 | Water Level Indicator (Option) | 19 | Flue Gas Outlet |
| 9 | Bottom Blowdown Valve | 20 | Platform and Ladder |
| 10 | Surface Blowdown Valve | 21 | Base Frame |
| 11 | Manhole | 22 | Flame Inspection Hole |

| MODEL HDO | 1000 | 1600 | 2000 | 2500 | 3200 | 4000 | 5000 | 6000 | 8000 | 10000 | 12000 | 15000 |
|-----------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| D1 (mm) | 1500 | 1700 | 1750 | 1750 | 1000 | 2000 | 2000 | 2200 | 2500 | 2600 | 2900 | 3000 |
| L1 (mm) | 2951 | 3651 | 3411 | 3661 | 4163 | 4714 | 5714 | 5789 | 6435 | 6335 | 6717 | 6881 |
| H1 (mm) | 1890 | 2060 | 2100 | 2100 | 2250 | 2455 | 2455 | 2650 | 2950 | 3062 | 3325 | 3500 |

The dimensions of the boiler include the insulation (100 mm thick) and for a boiler with a maximum design pressure of 10 barg only

P&ID STANDARD DESIGN



| | |
|----|---|
| 1 | Steam Boiler |
| 2 | Burner |
| 3 | Economizer (Option) |
| 4 | Feed Water Pump Set |
| 5 | Feed Modulating Control (Option) |
| 6 | Water Flow Meter (Option) |
| 7 | Steam Flow Meter (Option) |
| 8 | Surface Blow Down (Option) |
| 9 | Auto Bottom Blow Down (Option) |
| 10 | Pressure Transducer |
| 11 | Pressure Limiter |
| 12 | Pressure Gauge |
| 13 | Level Sensor and Low Level 1 |
| 14 | Low Level 2 |
| 15 | Level Indicator |
| 16 | Main Steam Valve |
| 17 | Safety Valve 1,2 |
| 18 | Temperature Sensor for Flue Gas Limiter |

=YOUR RELIABLE PARTNER
BUSINESS SUCCESS

AUTHORIZED MANUFACTURER



Lloyd's Register
LRQA



GO PAPERLESS
SCAN ME TO GO
TO CATALOG

GETABEC PUBLIC COMPANY LIMITED

335/7 Srinakarin Road, Nongbon,
Pravej, Bangkok 10250.

Tel: +66 (0) 2 366 0400 - 7

Fax : +66 (0) 2 366 0413

Website : www.getabecboiler.com

Email : sales@getabecboiler.com



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TO WEBSITE