



EKOTEK

Heat Technology

WINNING TECHNOLOGY
Ekotek Heat Technology

HIGH
CAPACITY
HIGH
EFFICIENCY



+90 256 231 15 95



www.ekotekkazan.com



boiler@ekotekkazan.com



Factory Address / Location: Ata OSB Mah., Astim 4th Street, No: 24
Zip Code 09010 Efeler, Aydın, Türkiye



STEAM BOILERS

STORM SERIES

**LIQUID / GAS-FIRED THREE-PASS
HIGH-PRESSURE SCOTCH TYPE**

Steam Production Capacity

200 Kg/h - 32.000 Kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

125.000 Kcal/h - 20.000.000 Kcal/h

Design Type

Fire-tube, Scotch Type, 3-Pass

Fuel Types

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Fuel Oil, Diesel, Heavy Oil, Dual-fuel

- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
- Industrial Tanks
- Heating Boilers - Central System Boilers
- Hot Water Storage Tanks
- Mobile - Portable Container Boiler Systems

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Export to More Than 30 Countries

As one of the leading companies in the industry, Ekotek Heat Technology brings energy to the world with engineering solutions that go beyond borders!

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STEAM BOILERS

STORM X SERIES

**LIQUID / GAS-FIRED THREE-PASS
HIGH-PRESSURE SCOTCH TYPE**

Steam Production Capacity

23.000 Kg/h - 40.000 Kg/h

Operating Pressure

10 -16 Bar

Thermal Capacity

13.800.000 Kcal/h - 24.000.000 Kcal/h

Design Type

Fire-tube, Scotch Type, 3-Pass

Fuel Types

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Fuel Oil, Diesel, Heavy Oil, Dual-fuel

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eco STORM HYBRID SERIES

LIQUID / GAS FUEL + ELECTRIC SUPPORTED TRIPLE-PASS SCOTCH TYPE HIGH PRESSURE

- **Steam Production Capacity**
200 kg/h – 15,000 kg/h
- **Thermal Capacity**
125,000 Kcal/h – 24,000,000 Kcal/h
- **Electric Capacity**
100 kW – 5232 kW
- **Operating Pressure**
3 – 16 Bar
- **Design Type**
Fire-Tube, Scotch Type, 3-Pass, Electric Supported
- **Primary Fuel Options**
LPG, Propane, Natural Gas, Biogas, Hydrogen,
L.Oil, Diesel, Heavy Oil, Dual Fuel

Secondary Fuel
Electric



POWER FROM NATURE, PRODUCTION WITHOUT INTERRUPTION - HYBRID TECHNOLOGY

ECO Storm Series Hybrid Steam Boiler

In industrial production, sustainability in energy is no longer an advantage but a necessity. Designed with Ekotek's eco-friendly engineering, the **ECO Storm Series Hybrid** Steam Boiler combines high capacity with high efficiency and environmentally friendly steam production.

Powered by solar and wind energy, **ECO Storm** ensures uninterrupted steam generation by using electric energy. In case of insufficient electric power supply, it automatically switches to natural gas mode, ensuring that production is never interrupted.

This boiler combines continuity, efficiency, and eco-friendly steam production in one system.

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PERFORMANCE SERIES

**LIQUID / GAS-FIRED TWO-PASS
REVERSE FLAME – HIGH PRESSURE**

Steam Production Capacity

200 kg/h - 4.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

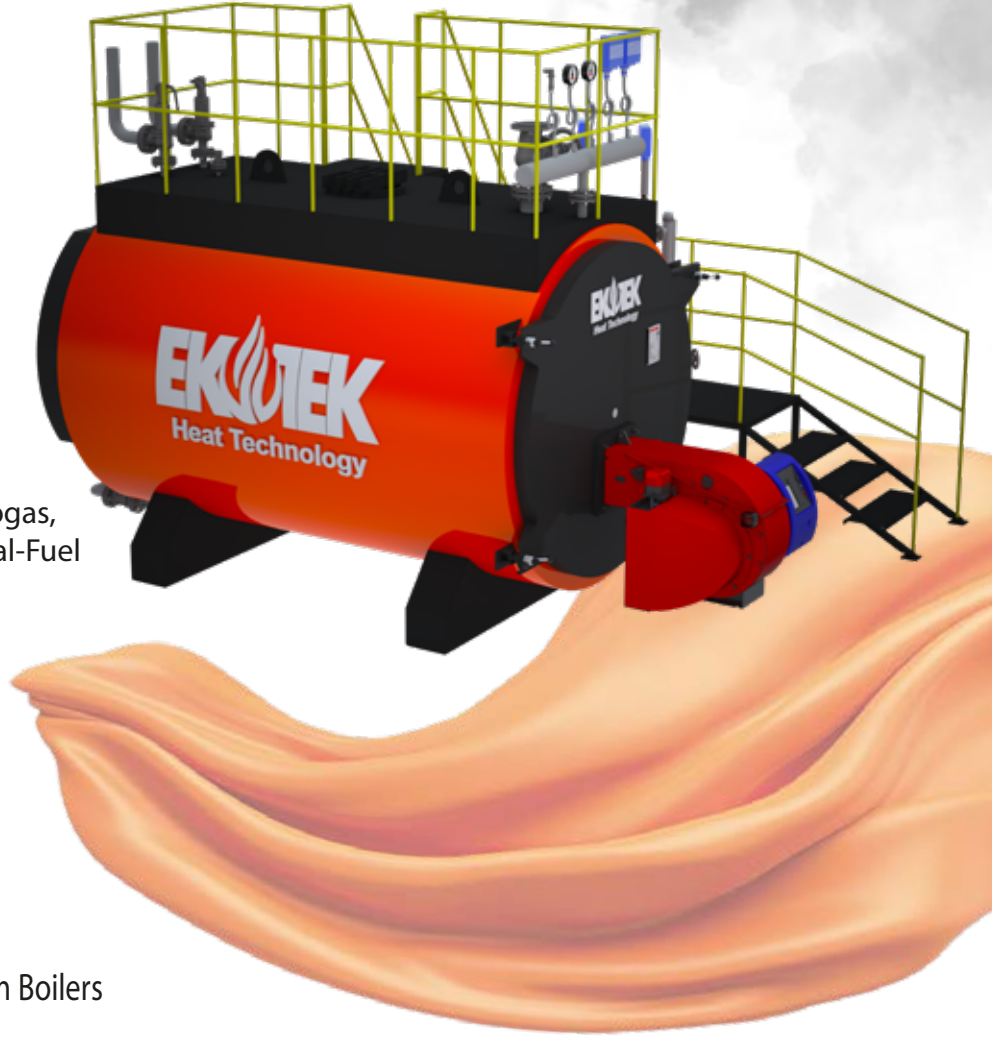
125.000 Kcal/h - 2.500.000 Kcal/h

Design Type

Two-Pass Reverse Flame Fire-Tube

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Fuel Oil, Diesel, Heavy Oil, Dual-Fuel



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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GRIM SERIES

**SOLID FUEL-FIRED, THREE-PASS, SCOTCH TYPE
HIGH-PRESSURE STEAM BOILERS**

Steam Production Capacity

200 kg/h - 7.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

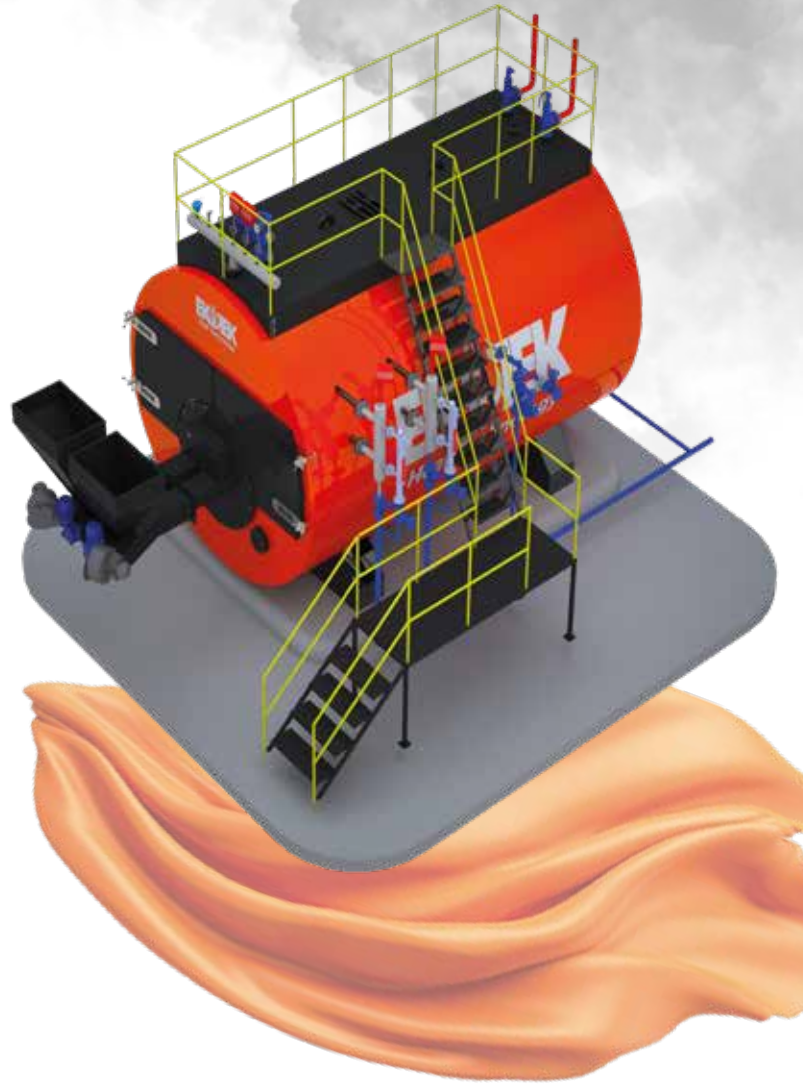
96.000 Kcal/h - 3.360.000 Kcal/h

Design Type

Fire-Tube Scotch Type, 3-Pass

Fuel Type

Lignite Coal, Hard Coal, Pulverized Coal, Pellet, Pomace,
Olive Pit, Wood, Wood Chips, Sawdust,
Wood Shavings, Plywood Waste, Particle Board Pieces,
Hazelnut Shell, Cherry Stone, Walnut Shell,
Straw, Sunflower Husk, Compressed Bio Pellets,
Pelit (type of wood), Peanut Shell, Almond Shell, Fruit Pulp,
Chicken Manure, Rice Husk



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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THUNDERBOLT SERIES

SOLID FUEL-FIRED, THREE-PASS, SEMI-CYLINDRICAL STEAM BOILERS

Steam Production Capacity

160 kg/h - 4.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

120.000 Kcal/h - 2.400.000 Kcal/h

Design Type

Fire-Tube Scotch Type, 3-Pass, Semi-Cylindrical

Fuel Type

Lignite Coal, Hard Coal, Pulverized Coal, Pellet, Pomace,
Olive Pit, Wood, Wood Chips, Sawdust,
Wood Shavings, Plywood Waste, Particle Board Pieces,
Hazelnut Shell, Cherry Stone, Walnut Shell,
Straw, Sunflower Husk, Compressed Bio Pellets,
Pelit (type of wood), Peanut Shell, Almond Shell, Fruit Pulp,
Chicken Manure, Rice Husk

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MEGA VOLT SERIES

ELECTRIC STEAM GENERATOR

Steam Production Capacity

50 Kg/h - 1.750 Kg/h

Operating Pressure

1-16 Bar

Thermal Capacity

35 kW - 1.220 kW

Design Type

Vertical Body

Fuel Type

Electric, Resistance-based

230 V 50 Hz* 230 V 60 Hz

380 V 50 Hz * 380 V 60 Hz



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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STEAM GENERATORS

MEGA VOLT X SERIES

www.ekotekkazan.com

"Technology Powered by Green Energy"

ELECTRIC STEAM GENERATOR

Steam Production Capacity

2.000 Kg/h - 7.500 Kg/h

Operating Pressure

1-16 Bar

Thermal Capacity

1.396 kW - 5.232 Kw

Design Type

Horizontal Body

Fuel Type

Electric, Resistance-based

230 V 50 Hz* 230 V 60 Hz

380 V 50 Hz * 380 V 60 Hz



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HYGIENIC MEGA VOLT SERIES

"Technology Powered by Green Energy"

ELECTRIC HYGIENIC STEAM GENERATOR

Steam Production Capacity

50 Kg/h - 1.750 Kg/h

Operating Pressure

1-16 Bar

Thermal Capacity

35 kW - 1.220 kW

Operating Pressure

Dikey

Energy Source

Electric Heating Element

230 V 50 Hz * 230 V 60 Hz

380 V 50 Hz * 380 V 60 Hz

Production Standard

Standard: 304 Grade Stainless Steel

This is a hygienic steam generator manufactured from 304-grade stainless steel.

Optional

316L Grade Stainless Steel for Hygienic Steam Generation

Manufactured as per requirement.

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SHIELD SERIES

LIQUID / GAS-FIRED THREE-PASS STEAM GENERATOR

Steam Production Capacity

400 kg/h - 16.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

250.000 Kcal/h - 10.000.000 Kcal/h

Design Type

3-Pass Fire-Tube Steam Generator

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Fuel Oil, Diesel, Heavy Oil, Dual-Fuel

- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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FLASH SERIES

LIQUID / GAS-FIRED WATER-TUBE COIL-TYPE GENERATOR

Steam Production Capacity

150 kg/h - 6.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

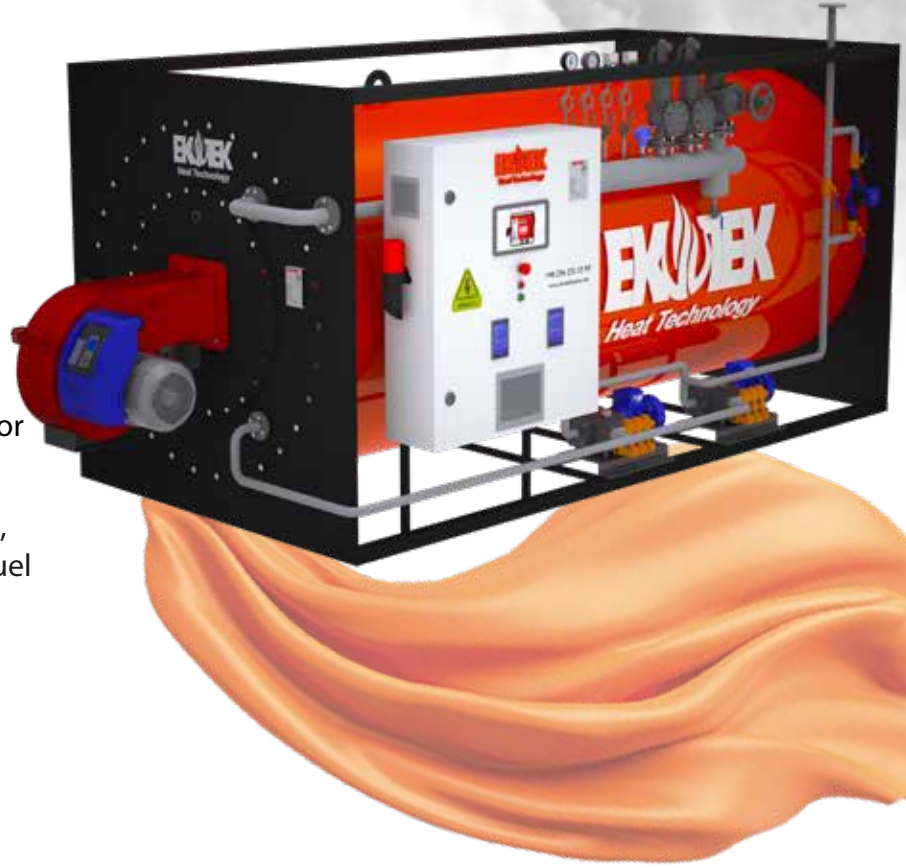
90.000 Kcal/h - 3.600.000 Kcal/h

Design Type

Water-Tube Coil-Type, 3-Pass Steam Generator

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Fuel Oil, Diesel, Heavy Oil, Dual-Fuel



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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STRONG SERIES

**LIQUID / GAS-FIRED D-TYPE
WATER-TUBE – HIGH PRESSURE**

Steam Production Capacity

7.000 kg/h - 40.000 kg/h

Operating Pressure

6-30 Bar

Thermal Capacity

4.500.000 Kcal/h - 25.000.000 Kcal/h

Design Type

D-Type Water-Tube

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual-Fuel



- Steam Boilers
- Steam Generators
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VOLCANO SERIES

SOLID FUEL-FIRED, FRONT FURNACE HIGH-PRESSURE STEAM BOILERS

Steam Production Capacity

3.000 kg/h - 25.000 kg/h

Operating Pressure

3-16 Bar

Thermal Capacity

1.800.000 Kcal/h - 15.000.000 Kcal/h

Design Type

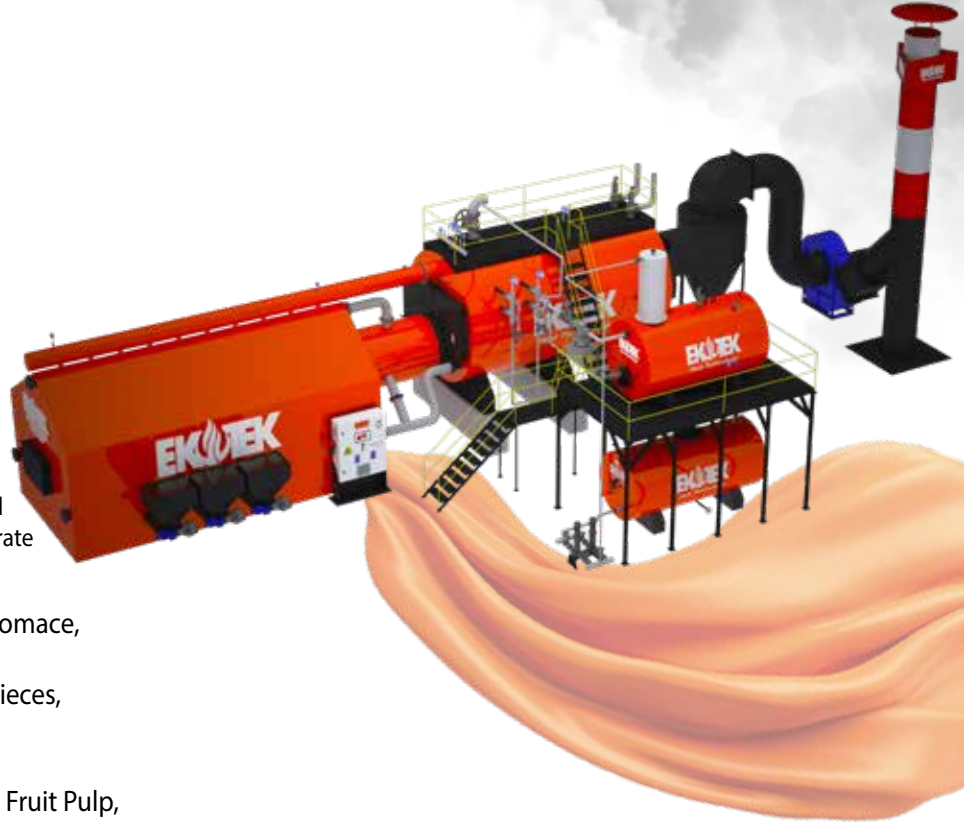
Fire-Tube, Water-Tube and Scotch Type –
Front Furnace, 3-Pass

Combustion System

Underfeed Type, Mechanical Screw-Feeder, Stoker-Fired
Depending on Capacity: Rotary Grate, Moving Piston Grate

Fuel Type

Lignite Coal, Hard Coal, Pulverized Coal, Pellet, Pomace,
Olive Pit, Wood, Wood Chips, Sawdust,
Wood Shavings, Plywood Waste, Particleboard Pieces,
Hazelnut Shell, Cherry Stone, Walnut Shell,
Straw, Sunflower Husk, Compressed Bio Pellets,
Pelit (type of wood), Peanut Shell, Almond Shell, Fruit Pulp,
Chicken Manure, Rice Husk



- Steam Boilers
- Steam Generators
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HYBRID SERIES

**SOLID FUEL-FIRED, WATER-TUBE AND SCOTCH TYPE
HIGH-PRESSURE STEAM BOILERS**

Steam Production Capacity

1.000 kg/h - 25.000 kg/h

Operating Pressure 3-25 Bar

Thermal Capacity

600.000 Kcal/h - 15.000.000 Kcal/h

Design Type

Fire-tube, Water-tube, and 5-Pass Scotch Type

Combustion System

Underfeed, Mechanically Screw-Driven, Stoker-Fired
Depending on capacity: Rotary Grate or Reciprocating Piston Grate

Fuel Type

Lignite, Hard Coal, Pulverized Coal, Pellet, Olive Pomace,
Olive Pit, Wood, Wood Chips, Wood Dust,
Wood Shavings, Plywood Waste, Particleboard Pieces,
Hazelnut Shell, Cherry Pit, Walnut Shell,
Straw, Sunflower, Compressed Bio Pellets, Oak,
Pistachio Shell, Almond Shell, Fruit Pulp,
Chicken Manure, Rice Husk

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- Steam Generators
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Phoenix Series

Liquid/Gas-Fired

3-Pass Thermal Oil Boilers

Heat Production Capacity

100.000 Kcal/h – 10.000.000 Kcal/h

Operating Temperature

60 °C - 320 °C

Design Type

Horizontal, 3-pass,
coil-type, compliant with EN 10216-2 standard,
P235 GH seamless steel pipes

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual Fuel



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
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ALBATROS SERIES

LIQUID/GAS-FIRED

3-PASS THERMAL OIL BOILERS

Heat Production Capacity

100.000 Kcal/h – 10.000.000 Kcal/h

Operating Temperature

60 °C - 320 °C

Design Type

Vertical, 3-pass,
coil-type, compliant with EN 10216-2 standard,
P235 GH seamless steel pipes

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual Fuel



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DRAGON SERIES

SOLID FUEL

3-PASS THERMAL OIL BOILERS

Heat Production Capacity

80,000 Kcal/h – 10,000,000 Kcal/h

Operating Temperature

60 °C - 320 °C

Design Type

Vertical 3-Pass,
Coiled, in compliance with EN 10216-2 standard,
P235 GH seamless steel tubes

Fuel Type

Lignite coal, pulverized coal, pellet, olive pomace, olive pit, wood, wood chips, sawdust, wood shavings, plywood waste, particle board pieces, hazelnut shell, cherry pit, walnut shell, straw, sunflower, compressed bio pellets, oak, pistachio shell, almond shell, fruit pulp, chicken manure, rice husk

- Steam Boilers
- Steam Generators
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THERMAL OIL BOILERS

ELEKTRO SERIES

ELECTRIC THERMAL OIL BOILERS

Heat Production Capacity

100.000 Kcal/h – 5.000.000 Kcal/h

Operating Temperature

60 °C - 320 °C

Design Type

Vertical or Horizontal cylindrical type,
Seamless steel tubes made of P235 GH
in accordance with EN 10216-2 standard

Fuel Type

Electric, Resistance Type

230V 50 Hz / 230V 60 Hz

380V 50 Hz / 380V 60 Hz

- Steam Boilers
- Steam Generators
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BURNING SERIES

LIQUID / GAS-FIRED THREE-PASS SCOTCH TYPE HOT WATER BOILERS

Thermal Capacity

100.000 Kcal/h - 20.000.000 Kca/h

Design Type

Fully Cylindrical, Scotch Type, 3-Pass

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual-Fuel

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WINNING TECHNOLOGY
Ekotek Heat Technology

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Heat Technology



ATOM SERIES

LIQUID / GAS-FIRED TWO-PASS REVERSE FLAME HOT WATER BOILERS

Thermal Capacity

80.000 kcal/h - 2.500.000 kcal/h

Design Type

Horizontal, Reverse Flame, Two-Pass,
Floor-Standing Hot Water Boiler

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual-Fuel

- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
- Industrial Tanks
- Heating Boilers - Central System Boilers
- Hot Water Storage Tanks
- Mobile - Portable Container Boiler Systems

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Export to More Than 30 Countries

As one of the leading companies in the industry, Ekotek Heat Technology brings energy to the world with engineering solutions that go beyond borders!

Factory Address / Location: Ata OSB Mah., Astim 4th Street, No: 24

Zip Code 09010 Efeler, Aydın, Türkiye

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TORCH SERIES

SOLID FUEL-FIRED, THREE-PASS SEMI-CYLINDRICAL HOT WATER BOILERS

Thermal Capacity

80.000 kcal/h - 3.000.000 kcal/h

Design Type

Semi-Cylindrical, 3-Pass, Horizontal, Floor-Standing

Combustion System

Underfeed Type, Side-Mounted Mechanical Screw Feeder
Depending on Capacity: Rotary Grate, Moving Piston Grate

Fuel Type

Lignite Coal, Pomace, Olive Pit,
Wood, Wood Chips, Sawdust, Wood Shavings,
Plywood Waste, Particleboard Pieces, Hazelnut Shell



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
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FIERY SERIES

LIQUID / GAS-FIRED TWO-PASS REVERSE FLAME HOT WATER BOILERS

Thermal Capacity

25.000 kcal/h - 60.000 kcal/h

Design Type

Reverse Flame, Two-Pass

Fuel Type

LNG, Propane, CNG, Natural Gas, LPG, Biogas,
Hydrogen, Diesel, Fuel Oil, Dual-Fuel



- Steam Boilers
- Steam Generators
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HOT WATER BOILERS

PRACTICAL SERIES

ELECTRIC HOT WATER BOILER

Thermal Capacity

80.000 kcal/h - 5.000.000 kcal/h

Operating Temperature

60 °C - 85 °C

Design Type

Horizontal or Vertical Body

Fuel Type

Electric, with Resistance Heating Element

230V 50 Hz / 230V 60 Hz

380V 50 Hz / 380V 60 Hz

- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
- Industrial Tanks
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FAST SERIES

FOUR-PASS LIQUID/GAS-FIRED PRISMATIC HOT AIR BOILERS

Thermal Capacity

125.000 Kcal/h – 2.500.000 Kcal/h

Design type

Vertical, 4-pass, according to TS EN 10217-2 standard, P235 GH
Combustion chamber and first pass made of stainless steel

Fuel type

LNG, propane, CNG, natural gas, LPG, biogas,
hydrogen, fuel oil, diesel, heavy oil, dual fuel



- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
- Industrial Tanks
- Heating Boilers - Central System Boilers
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- Mobile - Portable Container Boiler Systems

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TRANSFORM SERIES

FOUR-PASS SOLID FUEL-FIRED PRISMATIC HOT AIR BOILERS

Thermal Capacity

125.000 Kcal/h – 2.500.000 Kcal/h

Combustion System

underfeed stoker, side mechanical screw feeder

Design Type

vertical, 4-pass, according to TS EN 10217-2 standard,
combustion chamber and first pass made of stainless steel

Fuel Type

lignite coal, pomace, olive pits,
wood, wood chips, sawdust, wood dust,
plywood waste, particleboard pieces, hazelnut shells

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- Steam Generators
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DOMESTIC HOT WATER TANKS

- ✓ HOT WATER STORAGE TANKS AND HEAT EXCHANGERS
- ✓ SINGLE COIL STORAGE WATER HEATER
- ✓ DOUBLE COIL STORAGE WATER HEATER
- ✓ SINGLE JACKETED STORAGE WATER HEATER
- ✓ JACKETED AND COIL STORAGE WATER HEATER
- ✓ DOUBLE COIL HEAT PUMP STORAGE WATER HEATER

Capacity Range

100 Lt - 20.000 Lt

Operating Type

Liquid – Liquid

Operating Pressure

4 - 6 Bar Veya 10 - 16 Bar

Design Type

Vertical / Horizontal

Insulation

50 mm Polyurethane or
Glass Wool (Optional: Rock Wool)

Operating Temperature

60°C - 90°C

Outer Casing Cover

Winlex leather coating, or
Front side painted with RAL 2004, back side primer-coated
Galvanized steel, Grade 1311

- Steam Boilers
- Steam Generators
- Thermal Oil Boilers
- Hot Air Boilers
- Hot Water Boilers
- Industrial Tanks
- Heating Boilers - Central System Boilers
- Hot Water Storage Tanks
- Mobile - Portable Container Boiler Systems



Certification

Our products are manufactured in accordance with the 2014/68/EU Pressure Equipment Directive and are CE certified.

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DOMESTIC HOT WATER TANKS

- ✓ HOT WATER STORAGE TANKS AND HEAT EXCHANGERS
- ✓ SINGLE COIL STORAGE WATER HEATER
- ✓ DOUBLE COIL STORAGE WATER HEATER
- ✓ SINGLE JACKETED STORAGE WATER HEATER
- ✓ JACKETED AND COIL STORAGE WATER HEATER
- ✓ DOUBLE COIL HEAT PUMP STORAGE WATER HEATER

Capacity Range

100 Lt - 20.000 Lt

Operating Type

Liquid - Liquid

Operating Pressure

4 - 6 Bar Or 10 - 16 Bar

Design Type

Vertical / Horizontal

Insulation

50 mm Polyurethane or
Glass Wool (Optional: Rock Wool)

Operating Temperature

60°C - 90°C

Outer Casing Cover

Winlex leather coating, or
Front side painted with RAL 2004, back side primer-coated
Galvanized steel, Grade 1311

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ELECTRIC WATER HEATER SERIES

ELECTRIC BOILERS

Capacity

100 Lt - 10.000 Lt

Operating Pressure

Max 10 bar

Design Type

Vertical Body

Energy Source

Electric – With Resistance

230 V 50 Hz

380 V 50 Hz

Body - Bodywork

DKP Sheet Metal

Main Body Material

304 Grade Stainless Steel



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- Steam Generators
- Thermal Oil Boilers
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ELECTRIC WATER HEATER SERIES

ELECTRIC BOILERS

Capacity

100 Lt - 10.000 Lt

Operating Pressure

Max 10 bar

Design Type

Horizontal or Vertical Body

Energy Source

Electric – With Resistance

230 V 50 Hz

380 V 50 Hz

Outer Casing Cover

Winlex leather coating, or

Front side painted in RAL 2004, back side with primer coat

Galvanized steel, Grade 1311



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AIR TANK

Reduce the system load, increase performance.

Ekotek Air Tank increases compressor efficiency, balances sudden pressure fluctuations, and optimizes your processes.

Volume Range

100 Lt - 15.000 Lt

Internal Surface

Optional Epoxy coating or Galvanized surface

Operating Type

Air

External Surface

RAL code paint in desired color or optional hot-dip galvanized coating

Operating Pressure

8 Bar-16 Bar

Design Type

Vertical / Horizontal

Manufacturing Standard

EN 286-1 or optionally ASME certified manufacturing

Material

P235 Gh – P265 Gh – P355 Gh

Automatic condensate removal system – Optional selection

You may choose the color during production based on your request.

Polyamide Epoxy. Acrylic. Polyurethane.

Superior exterior coating in the color of your choice.

Visual quality, long-lasting protection.

Accessories

- Manometer
- Safety valve
- Drain valve



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Thousands of Boilers

Thousands of Happy Customers



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