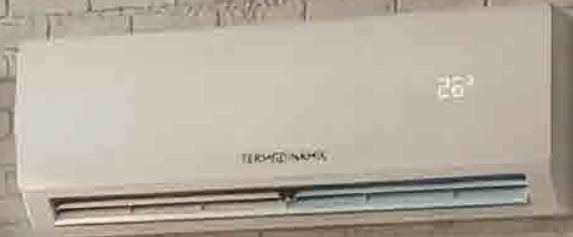
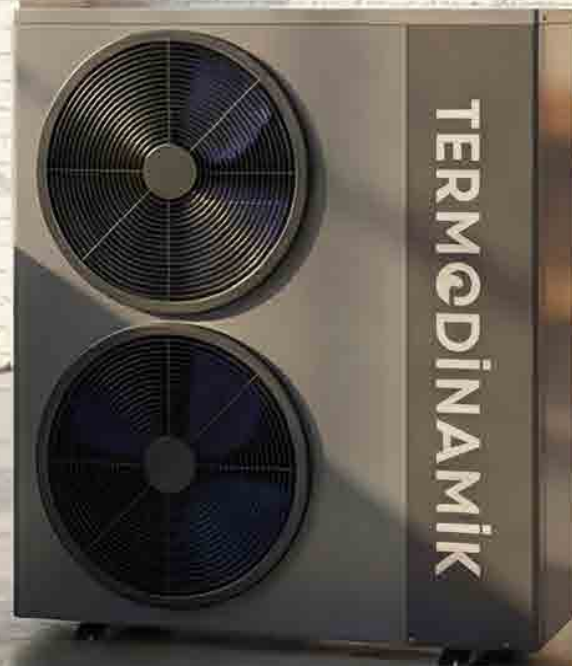


**TERMODINAMİK®**  
**COMPANY PRESENTATION**  
TD Group

**30+**  
Years of Excellence



## Powering Everyday Life

Every day, across homes, businesses and industrial facilities, our heating, cooling and hot-water technologies make modern living possible. We are accelerating the transition to energy - efficient, sustainable and reliable solutions.

This is how we meet the world's growing demand for efficiency - while moving together toward a cleaner, low-carbon future.

## About Termodinamik

- Founded in 1992 in İzmir, Termodinamik operates on a 16,000 m<sup>2</sup> production facility and focuses on advanced manufacturing technologies, continuous R&D investment and responsible energy solutions. With more than three decades of industry experience, the company develops high-efficiency heating and cooling systems designed to meet modern residential and commercial needs.
- Termodinamik offers a comprehensive product portfolio including **air-to-water heat pumps, boiler and buffer tanks, electric and gas combi boilers, water heaters, storage water heaters and instantaneous heaters, air conditioning systems, as well as individual and central biomass boilers.** Supported by strong engineering capabilities and internationally recognized production standards, our solutions are designed to deliver reliable performance, energy efficiency and environmentally responsible operation while contributing to a more sustainable future.



## 100% Safe — on our way to safer climate systems

### → **Product & Operational Safety**

We design our systems with certified components, built-in thermal and pressure protections, fire-safe materials and rigorous endurance testing — ensuring stable and safe performance in every climate.

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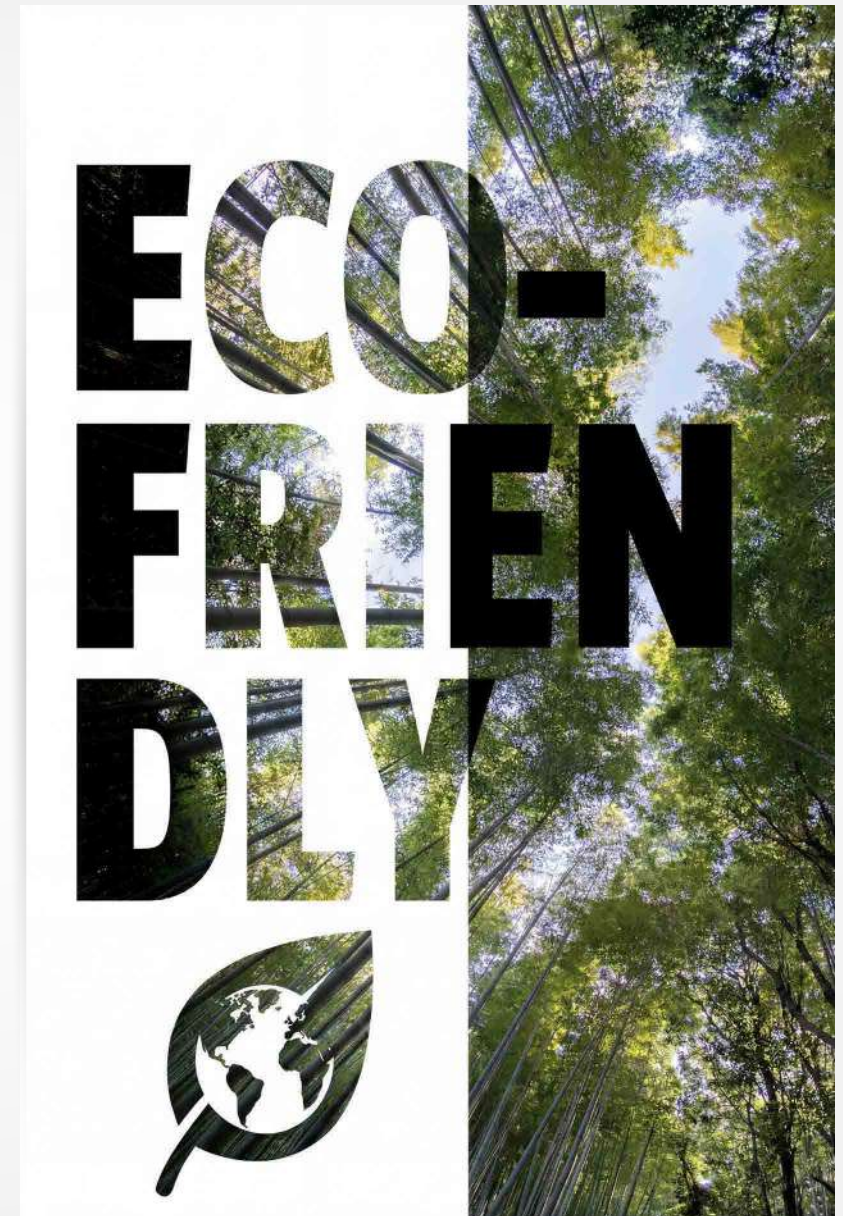
### → **Collaboration & Standardization**

We collaborate with authorities, certification bodies and installers to improve installation quality, strengthen product safety standards and ensure full regulatory compliance.

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### → **Knowledge, Data & Continuous Improvement**

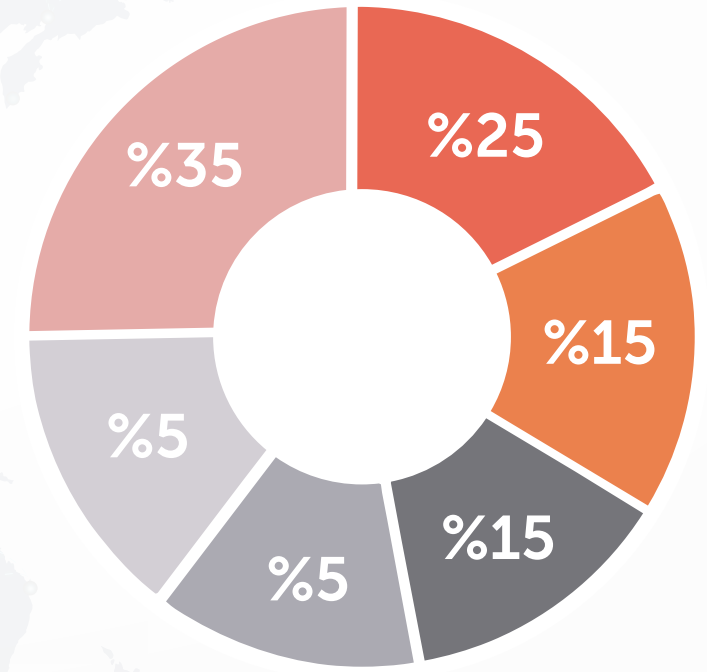
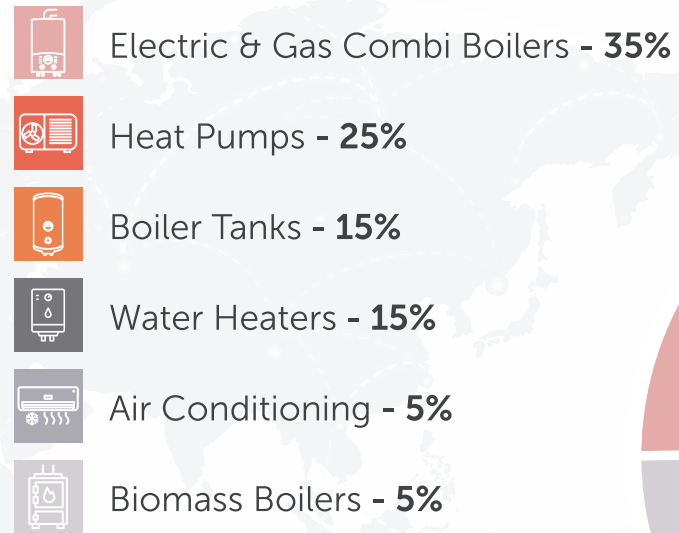
We analyze real-world data and service insights to detect risks early, enhance durability and continuously raise safety performance across the entire product lifecycle.



## Global presence

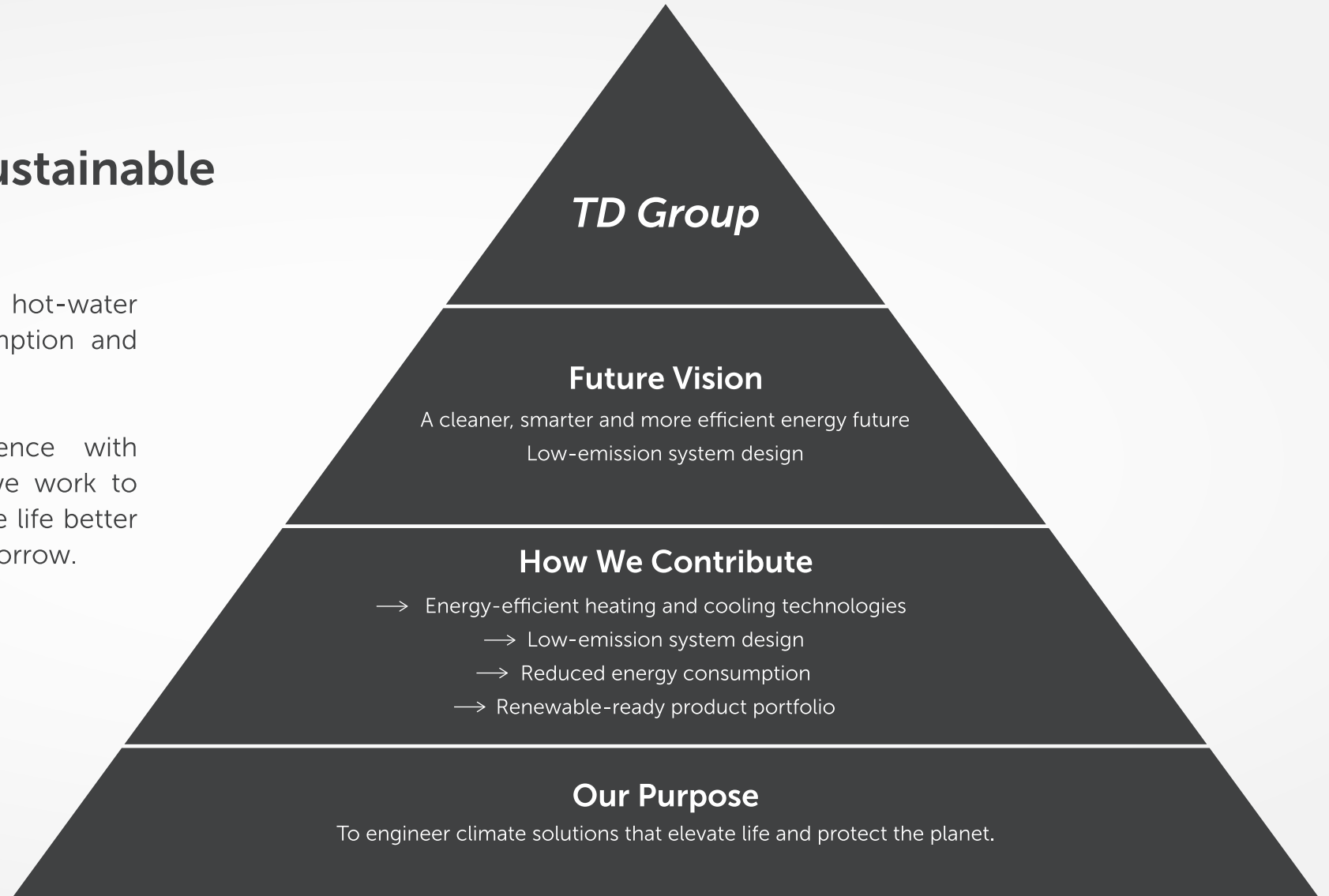
- **200+** employees
- **16,000 m<sup>2</sup>** production facility
- Extensive dealer & **distributor network**
- Global **technical service** coverage
- Active distribution across **Europe, Balkans, Middle East**
- Growing **export volume** & expanding international operations

## Solution distribution



## Building the future of sustainable climate technologies

- We innovate heating, cooling and hot-water systems that reduce energy consumption and support global sustainability goals.
- By combining engineering excellence with environmentally conscious design, we work to create climate technologies that make life better today — and protect the world of tomorrow.



# Our sustainability priorities

→ We focus on developing energy-efficient, low-emission and long-lasting climate solutions that support a cleaner and more sustainable future.



# The Evolution of Our Product Strategy

→ Over the years, we have transitioned from industrial boilers to modern heating, hot water and integrated climate solutions – continuously adapting our portfolio to meet changing market



Strong focus on industrial solid-fuel boilers



Shift from large boiler systems to modern domestic solutions



Strategic move for boiler tanks and heat pump systems

1990s – 2000s

2014 – 2018

2023 – Today

2005 – 2013

2018 – 2022

Expansion into combi boilers & domestic heating

Acceleration in water heater portfolio



Long-term ambitions

100%

Efficient  
Low-emission  
Future-ready

# 100% More Efficient

→ **Delivering higher performance with lower energy use**

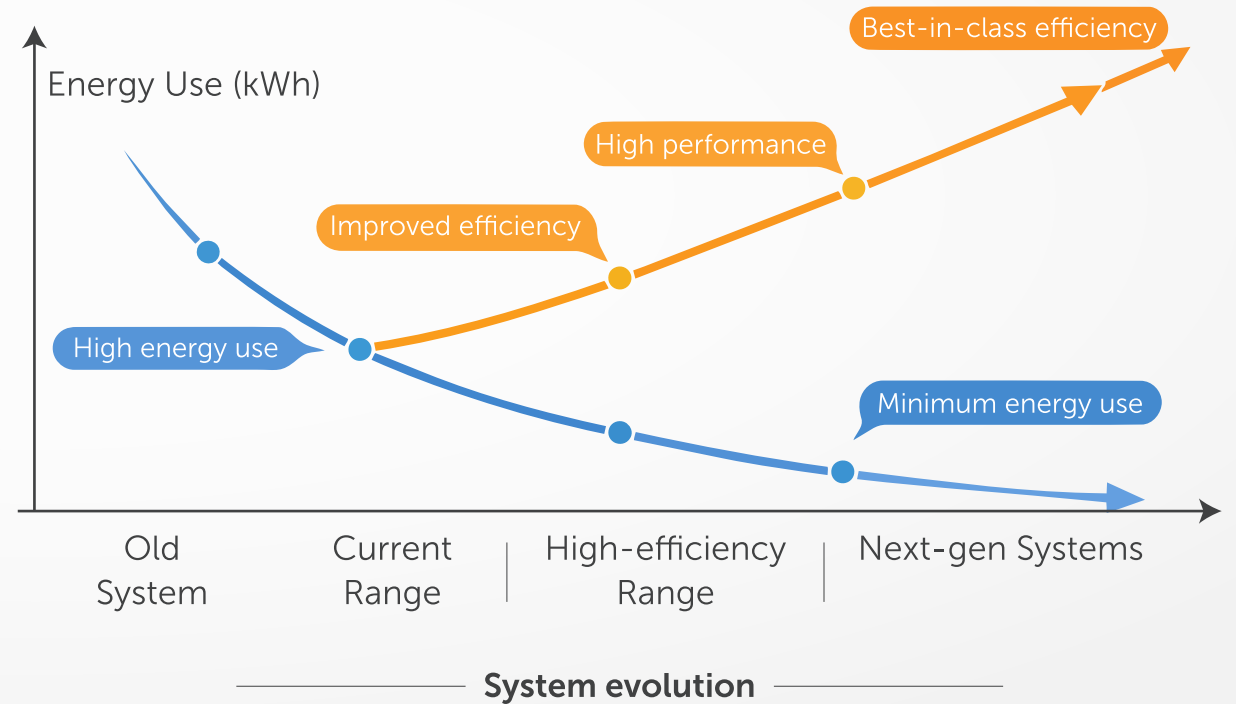
We design our systems with certified components, built-in thermal and pressure protections, fire-safe materials and rigorous endurance testing — ensuring stable and safe performance in every climate.

Higher efficiency means:

- Better performance across varying climate conditions
- Reduced energy consumption throughout daily use
- More stable operation for homes, businesses and industrial facilities
- Longer product lifespan with fewer service interruptions

We continuously refine our designs to deliver climate solutions that work smarter, last longer and consume less.

## Efficiency & Energy Use Over Time



## HEAT PUMPS

### Air to Water Heat Pump Solutions

→ High-efficiency air-to-water heat pumps designed for residential and commercial heating and cooling. Available with **R32** and **R290** refrigerant options, ensuring reliable performance, low energy consumption and environmentally responsible operation.

**TD PRO | TD ECO | TD ECO STAR**

## Heat Pump Series

TD PRO – TD ECO – TD ECO STAR

- **Environmentally friendly refrigerant options:** R290 natural refrigerant (TD PRO) and R32 refrigerant technology (TD ECO & TD ECO STAR).
- **High energy efficiency:** systems designed to achieve A+++ energy class performance depending on model.
- **Advanced inverter compressor technology** ensuring stable operation and reduced energy consumption.
- **Integrated Wi-Fi smart control** allowing remote monitoring and system management.
- **Heating, cooling and domestic hot water production** in a single integrated solution.
- **Reliable operation in wide temperature ranges** for year-round performance.
- **Low operating cost** thanks to optimized compressor control and efficient heat exchange.
- **Quiet operation design** suitable for residential environments.
- **Compact and modern outdoor unit design** for easy installation and space saving.
- **Suitable for residential and commercial applications**, including villas, apartments and small commercial buildings.



**TD PRO**

Models: 12 / 16 / 16S / 19  
Capacity: 12–19 kW



**TD ECO**

Models: 09 / 12 / 15 / 19  
Capacity: 9–19 kW



**TD ECO STAR**

Models: 06 / 09 / 12 / 16 / 19  
Capacity: 6–19 kW



## BOILER & BUFFER TANKS

Domestic Hot Water & System Storage Solutions

→ High-quality boiler and buffer tank solutions designed for efficient domestic hot water production and heating system integration. Termodinamik tanks ensure reliable heat storage, stable system performance and long service life in residential and commercial installations.

**SINGLE SERPENTINE BOILER TANKS | DOUBLE SERPENTINE BOILER TANKS**  
**ELECTRIC BOILER TANKS | ACCUMULATION TANKS | HEAT PUMP BOILER TANKS**

## Boiler & Buffer Tanks

SINGLE SERPENTINE BOILER TANKS – DOUBLE SERPENTINE BOILER TANKS – HEAT PUMP BOILER TANKS  
ELECTRIC BOILER TANKS – ENAMEL ACCUMULATION TANKS – BUFFER TANK

- **Wide storage capacity range from 100 L to 5000 L** for residential and commercial heating systems.
- **Single and double serpentine heat exchanger options** for efficient domestic hot water production.
- **Dedicated heat pump tanks** designed for optimal compatibility with air-to-water heat pump systems.
- **Buffer and accumulation tanks** providing stable system temperature and improved heating efficiency.
- **Electric boiler tank options** for independent domestic hot water production.



**SINGLE SERPENTINE BOILERS (TD-BS)**  
Models: 100 / 160 / 200 / 300 / 400 / 500  
800 / 1000 / 1500 / 2000 / 3000 / 5000  
Capacity: 100–5000 L



**DOUBLE SERPENTINE BOILERS (TD-BD)**  
Models: 100 / 160 / 200 / 300 / 400 / 500  
800 / 1000 / 1500 / 2000 / 3000 / 5000  
Capacity: 100–5000 L



**HEAT PUMP BOILERS (TD-HPS)**  
Models: 160 / 200 / 300 / 400 / 500  
Capacity: 160–500 L



## Boiler & Buffer Tanks

SINGLE SERPENTINE BOILER TANKS – DOUBLE SERPENTINE BOILER TANKS – HEAT PUMP BOILER TANKS  
ELECTRIC BOILER TANKS – ENAMEL ACCUMULATION TANKS – BUFFER TANK

- **High-quality steel tank construction** ensuring durability and long service life.
- **High-density thermal insulation** minimizing heat losses and improving energy efficiency.
- **Suitable for integration with multiple heat sources** such as boilers, heat pumps and solar systems.
- **Wide range of installation options** for residential, commercial and industrial applications.
- **Reliable and efficient hot water storage solutions** supporting stable heating system performance.



**ELECTRIC BOILERS (TD-BE)**

Models: 100 / 160 / 200 / 300 / 400 / 500  
800 / 1000 / 1500 / 2000 / 3000 / 5000  
Capacity: 100–5000 L



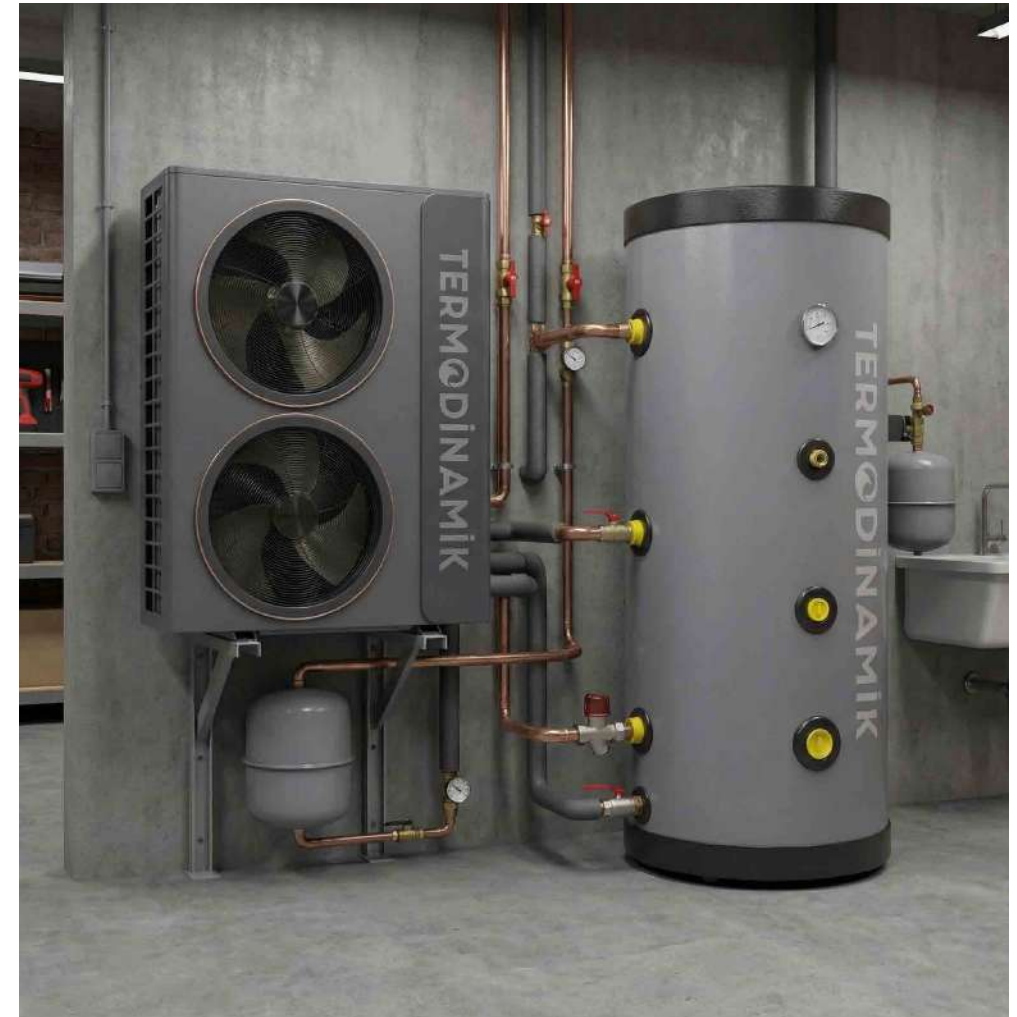
**ENAMEL ACCUMULATION TANKS (TD-AT)**

Models: 100 / 160 / 200 / 300 / 400 / 500  
800 / 1000 / 1500 / 2000 / 3000 / 5000  
Capacity: 100–5000 L



**BUFFER TANKS (TD-BT)**

Models: 100 / 160 / 200 / 300 / 400 / 500  
800 / 1000 / 1500 / 2000 / 3000 / 5000  
Capacity: 160–500 L



## COMBI BOILERS

Electric & Gas Heating Solutions

→ High-efficiency combi boiler solutions designed to provide reliable heating and domestic hot water for residential and commercial applications. Termodinamik combi boilers combine advanced control systems, energy-efficient operation and modern design to ensure stable performance and user-friendly operation.

**TD-ECB SERIES | TD-EB SERIES | BLUETECH**

## Combi Boiler Series

TD-ECB – TD-EB – BLUETECH

- **High-efficiency heating solutions** designed for residential and commercial applications.
- **Electric and gas combi boiler options** providing flexible installation solutions.
- **Digital control systems** ensuring easy operation and precise temperature management.
- **Compact wall-mounted design** allowing easy installation and space saving.
- **Reliable domestic hot water production** together with efficient heating performance.
- **Advanced safety systems** ensuring secure and stable operation.
- **Energy efficient operation** designed to reduce energy consumption.
- **Modern engineering and durable components** for long service life.
- **Wide capacity range** suitable for different heating requirements.
- **Suitable for apartments, villas and small commercial buildings.**



**TD-ECB ELECTRIC COMBI BOILERS  
(HEATING + HOT WATER)**  
Models: 12 / 14 / 18 / 24 / 30 / 36 / 40  
Capacity: 12–40 kW



**TD-EB ELECTRIC COMBI BOILERS  
(HEATING)**  
Models: 9 / 12 / 14 / 18 / 24 / 30 / 36 / 40  
Capacity: 9–40 kW



**BLUETECH GAS COMBI BOILERS**  
Model: 24  
Capacity: 24 kW



## WATER HEATERS

Instant & Storage Hot Water Solutions

→ Efficient water heating solutions designed to provide reliable domestic hot water for residential and commercial applications. Termodinamik water heaters combine durable construction, modern design and energy-efficient operation to deliver stable performance and long service life.

**INSTANT LPG & NATURAL GAS WATER HEATERS**

**STORAGE WATER HEATERS | INVERTER ELECTRIC WATER HEATERS**

## Water Heater Series

LPG & NATURAL GAS WATER HEATERS – STORAGE WATER HEATERS  
 INVERTER ELECTRIC WATER HEATERS

- > **Reliable domestic hot water solutions** designed for residential applications.
- > **Instant and storage water heater options** providing flexible installation alternatives.
- > **LPG and natural gas compatible instant water heaters** for continuous hot water supply.
- > **Electric storage water heaters with different tank designs** for various installation needs.
- > **Flat and round tank options** allowing easier installation in different spaces.
- > **Inverter electric water heater technology** ensuring stable and energy-efficient operation.
- > **Fast heating performance** designed to deliver hot water quickly and efficiently.
- > **Durable tank construction** ensuring long service life and reliable operation.
- > **User-friendly control systems** for easy temperature adjustment and operation.
- > **Compact and modern design** suitable for residential environments.



**INSTANT LPG & NATURAL GAS  
 WATER HEATERS (JSG SERIES)**  
 Model: 12 L  
 Capacity: 12 kW



**STORAGE WATER HEATERS  
 TD TER SERIES (ROUND)**  
 Models: 50 / 65 / 80 / 100  
 Capacity: 50–100 L



**STORAGE WATER HEATERS  
 TD TER D SERIES (FLAT)**  
 Models: 50 / 65 / 80  
 Capacity: 50–80 L



**INVERTER ELECTRIC WATER HEATERS**  
 Models: 65 / 80 / 100  
 Capacity: 65–100 L



## AIR CONDITIONERS

### Inverter Air Conditioning Solutions

→ Energy-efficient air conditioning systems designed to provide reliable cooling and heating performance for residential and commercial environments. Termodinamik air conditioners combine inverter technology, modern design and efficient operation to deliver comfortable indoor climate conditions with low energy consumption.

### INVERTER SPLIT AIR CONDITIONERS

## Air Conditioner Series

TD EASY Series

- **Inverter technology (A++ energy class)** for high energy efficiency.
- **Cooling and heating functions** in a single split system.
- **Energy-efficient inverter compressor** ensuring stable operation.
- **Fast cooling and heating performance** for quick temperature adjustment.
- **Low noise indoor and outdoor unit design.**
- **User-friendly remote control system.**
- **Modern and compact split unit design.**
- **Reliable operation for residential applications.**
- **Durable components ensuring long service life.**
- **Available in multiple capacities for different room sizes.**



### TD EASY INVERTER SPLIT AIR CONDITIONERS

Models: TD-EASY 12 | TD-EASY 18 | TD-EASY 24

Energy Class: Inverter A++



# INDIVIDUAL BIOMASS BOILERS

## Biomass Heating Solutions

→ High-efficiency biomass heating systems designed for residential buildings and small commercial applications. Termodinamik biomass boilers provide reliable heating performance using renewable fuels such as wood, wood chips and pellets, offering efficient and environmentally responsible energy solutions.

**TBK | TBK/S | TBK ECO | ECOBAL | EKY/D | PELLET STOVE**

## Individual Biomass Boiler Series

TBK – TBK/S – ECOBAL – EKY/D – PELLET STOVE

- **Biomass heating systems** designed for residential buildings and small commercial applications.
- **Renewable fuel compatibility** including wood, wood chips and pellets.
- **Manual and automatic feeding options** depending on boiler series.
- **High-efficiency combustion technology** ensuring reliable heating performance.
- **Durable steel boiler construction** designed for long service life.



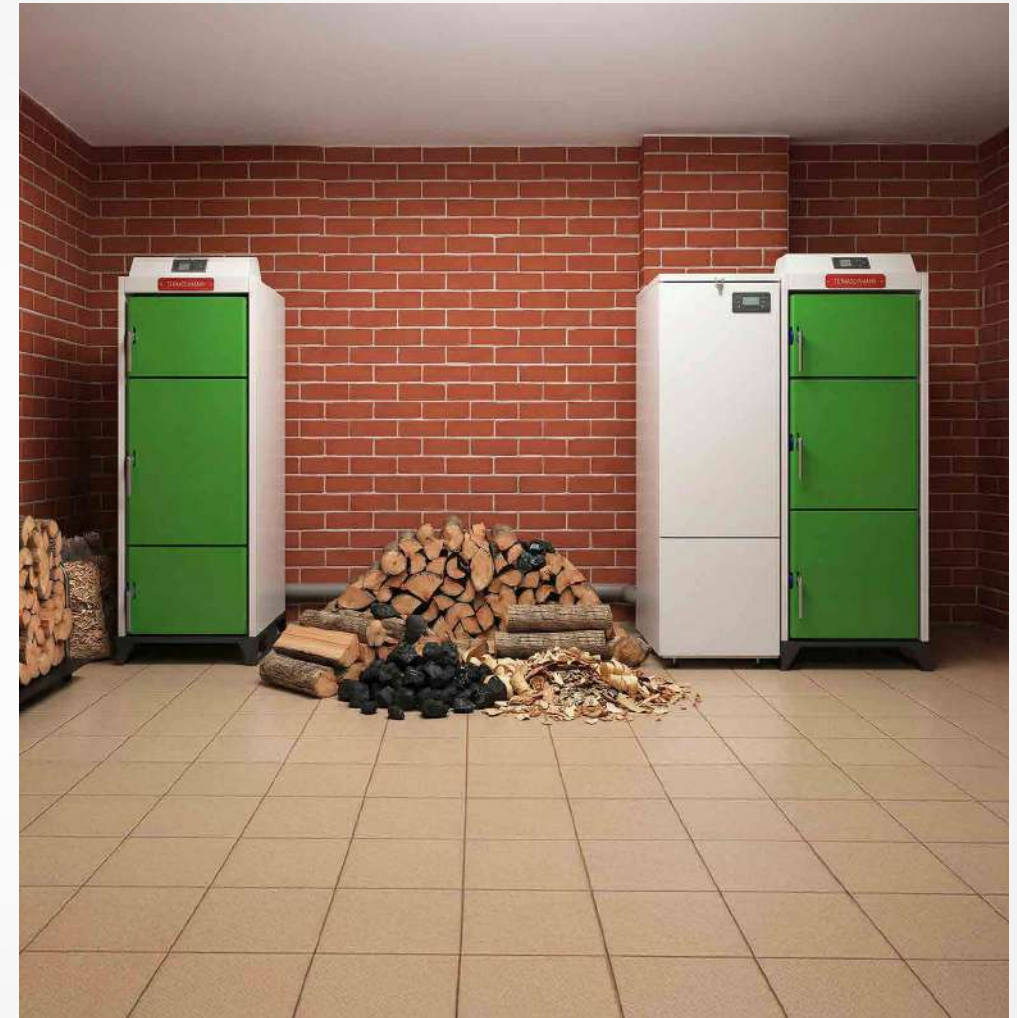
**TBK BIOMASS BOILERS  
(MANUAL FEEDING)**

Models: TBK 25 – 100  
Fuel Type: Wood / Wood Chips  
Capacity: 100–5000 L



**TBK/S BIOMASS BOILERS  
(AUTOMATIC FEEDING)**

Models: TBK 25 – 100  
Fuel Type: Wood / Wood Chips  
Capacity: 100–5000 L



## Individual Biomass Boiler Series

TBK – TBK/S – ECOBAL – EKY/D – PELLET STOVE

- **Environmentally friendly heating solution** using renewable energy sources.
- **Wide capacity range** suitable for different residential heating requirements.
- **Stable and efficient heat output** for reliable heating performance.
- **User-friendly operation and maintenance.**
- **Cost-effective heating solution** for solid fuel systems.



**ECOBAL WOOD BIOMASS BOILERS**

Models: ECOBAL  
Fuel Type: Wood  
Capacity: 20–60 kW



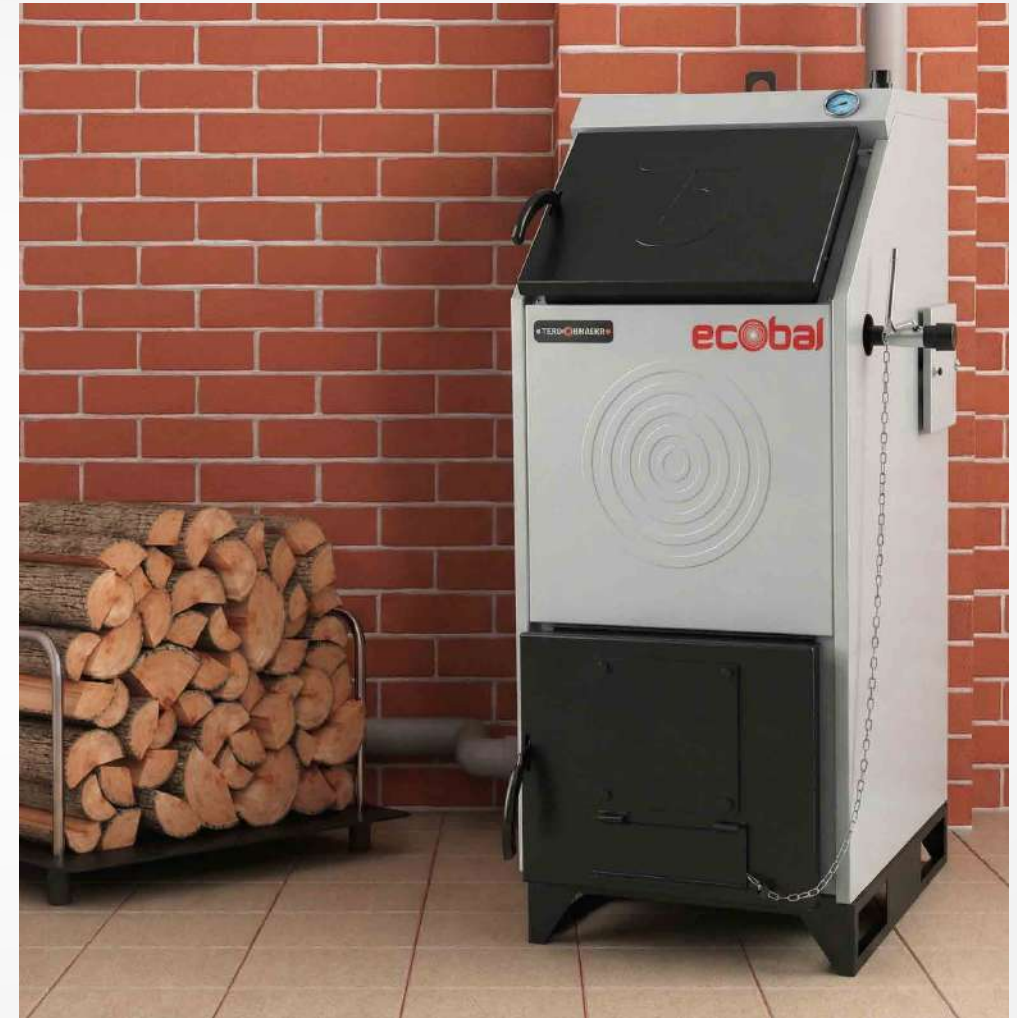
**EKY/D WOOD BIOMASS BOILERS**

Models: EKY/D 25 – 100  
Fuel Type: Wood  
Capacity: 20–52 kW



**TERMODİNAMİK PELLET STOVE**

Models: Pellet Stove  
Fuel Type: Pellet  
Capacity: Wet: 8–22 kW / Dry: 8–12–16 kW



## CENTRAL BIOMASS BOILERS

Industrial & District Heating Solutions

→ High-capacity biomass boiler systems designed for central heating applications in residential complexes, commercial buildings and industrial facilities. Termodinamik central biomass boilers deliver reliable heat production using renewable fuels such as wood, wood chips and biomass, ensuring efficient and sustainable energy solutions.

**EKY PRISMATIC | EKY/S PRISMATIC | EKY CYLINDRICAL**

**EKY/S CYLINDRICAL | ECS GAS & LIQUID FUEL**

## Central Biomass Boiler Series

EKY – EKY/S – ECS Series

- **High-capacity biomass heating systems** designed for central heating applications.
- **Suitable for residential complexes, commercial buildings and industrial facilities.**
- **Compatible with biomass** fuels such as wood and wood chips.
- **Manual and automatic feeding systems** depending on boiler series.
- **High-efficiency combustion chamber design** for reliable heat production.



**EKY PRISMATIC BIOMASS BOILERS  
(MANUAL FEEDING)**

Models: EKY Prismatic 125 – 500  
Fuel Type: Wood / Wood Chips  
Capacity: 145–581 kW



**EKY/S PRISMATIC BIOMASS BOILERS  
AUTOMATIC FEEDING)**

Models: EKY/S Prismatic 125 – 500  
Fuel Type: Wood / Wood Chips  
Capacity: 145–581 kW



## Central Biomass Boiler Series

EKY – EKY/S – ECS Series

- **Robust steel boiler construction** ensuring long service life.
- **Stable and efficient heat output** for central heating systems.
- **Wide capacity range** suitable for large-scale heating requirements.
- **Industrial-grade design** supporting continuous heating operation.
- **Renewable energy heating solutions** reducing fossil fuel consumption.



**EKY CYLINDRICAL BIOMASS BOILERS**  
Models: EKY Cylindrical 125 – 1000  
Fuel Type: Biomass  
Capacity: 146–1163 kW



**EKY/S CYLINDRICAL BIOMASS BOILERS**  
Models: EKY/S Cylindrical 125 – 1000  
Fuel Type: Biomass  
Capacity: 146–1163 kW



**ECS GAS & LIQUID FUEL BOILERS**  
Models: ECS 350 – 2000  
Fuel Type: Gas – Liquid Fuel  
Capacity: 407–2326 kW



**TERMÖDİNAMİK®**  
**THANK YOU**  
TD Group

**30+**  
Years of Excellence

