



**TEKNIX**  
ENGINEERING

**TEKNIX** ESPRO  
ELECTRIC BOILER  
WITH WI-FI CONTROL



# ABOUT THE COMPANY

Founded in **2013** in Hungary, our company is a pioneering manufacturer specializing in smart electric boilers. Our journey began with a team of experts who had been supplying components and accessories to numerous boiler manufacturers and heating equipment providers for many years. With this rich background and extensive experience, our company set out with a clear vision: to create an environmentally friendly, technologically advanced, and stylish heating solution.

Our dedicated R&D department has been at the heart of our innovation since the beginning. Through relentless research and rigorous testing, we have developed a high-quality product that stands out in the market. Our smart electric boilers are a testament to our commitment to excellence and sustainability.

In recent years, our developers and engineers have pushed the boundaries to enhance our product, resulting in a significant expansion of our global footprint. Today, TEKNIX products are available in over **20 countries**, and we continue to grow our presence worldwide.



# ONE STEP AHEAD



## 10 YEARS OF EXPERIENCE

IN THE HEATING MARKET

A key milestone in our journey was partnering with a renowned design studio to bring modern and stylish designs to our customers. This collaboration led to the creation of the ESPRO model, which was honored with the prestigious **Red Dot Award** for best product design in the industry in 2023.

At TEKNIX, we are not just creating smart electric boilers; we are shaping the future of heating solutions with our cutting-edge technology, exceptional design, and unwavering commitment to sustainability. Join us on this journey to a smarter, greener, and more stylish future.



red**dot** winner 2023





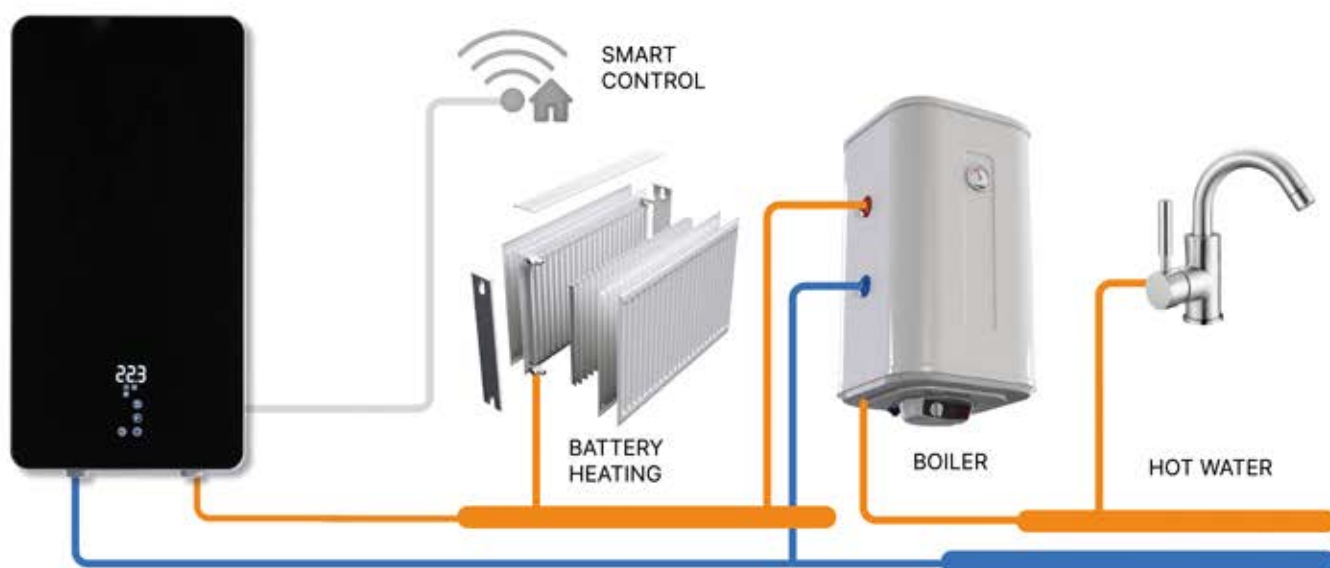
# SMART ELECTRIC BOILER

- The ESPRO series is a single-circuit boiler available in capacities ranging from 4.5 to 24 kW.
- This model is designed for space heating and hot water supply in residential and office buildings.
- Each boiler undergoes a 9-stage testing process.
- Efficiency rate is 99%.
- Built-in protection system against electric shock, overheating, heat loss, water leaks, excessive pressure, and bacteria in the pipes.



## DUAL-CIRCUIT BOILER

Easily convertible to a dual-circuit boiler thanks to the FUGAS hydraulic kit, which allows connection to an indirect heating boiler for hot water.



# SAVE UP TO 15% ON BILLS

with the TEKNIX Smart boiler mobile app



## Weekly Programmer

This built-in feature allows to set a temperature for each day of the week with a breakdown of **3 hours**.

Customize the boiler's schedule to optimize energy usage, **saving up to 15% on electricity** on average.



## Priority Consumer

This function automatically reduces the boiler's energy consumption to prevent a possible system overload when using other electrical appliances (kettle, iron, etc.).

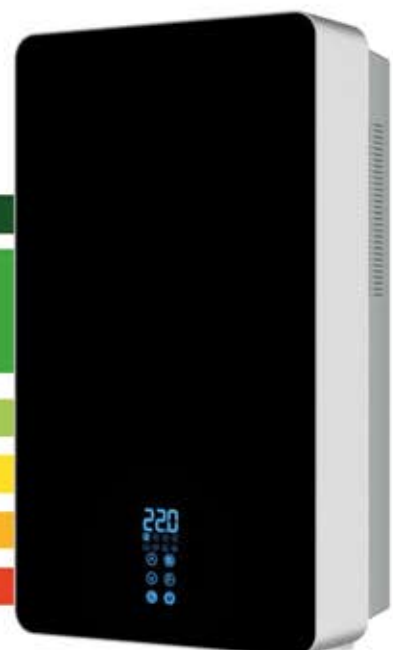
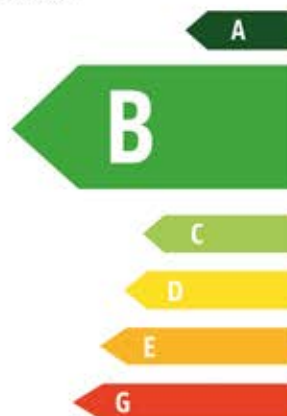
# UNIQUE ON THE MARKET

energy efficiency class B

Our boiler is the only one on the market with an energy efficiency class B, thanks to its unique built-in smart functionality and optimized component performance.



STANDARD BOILERS

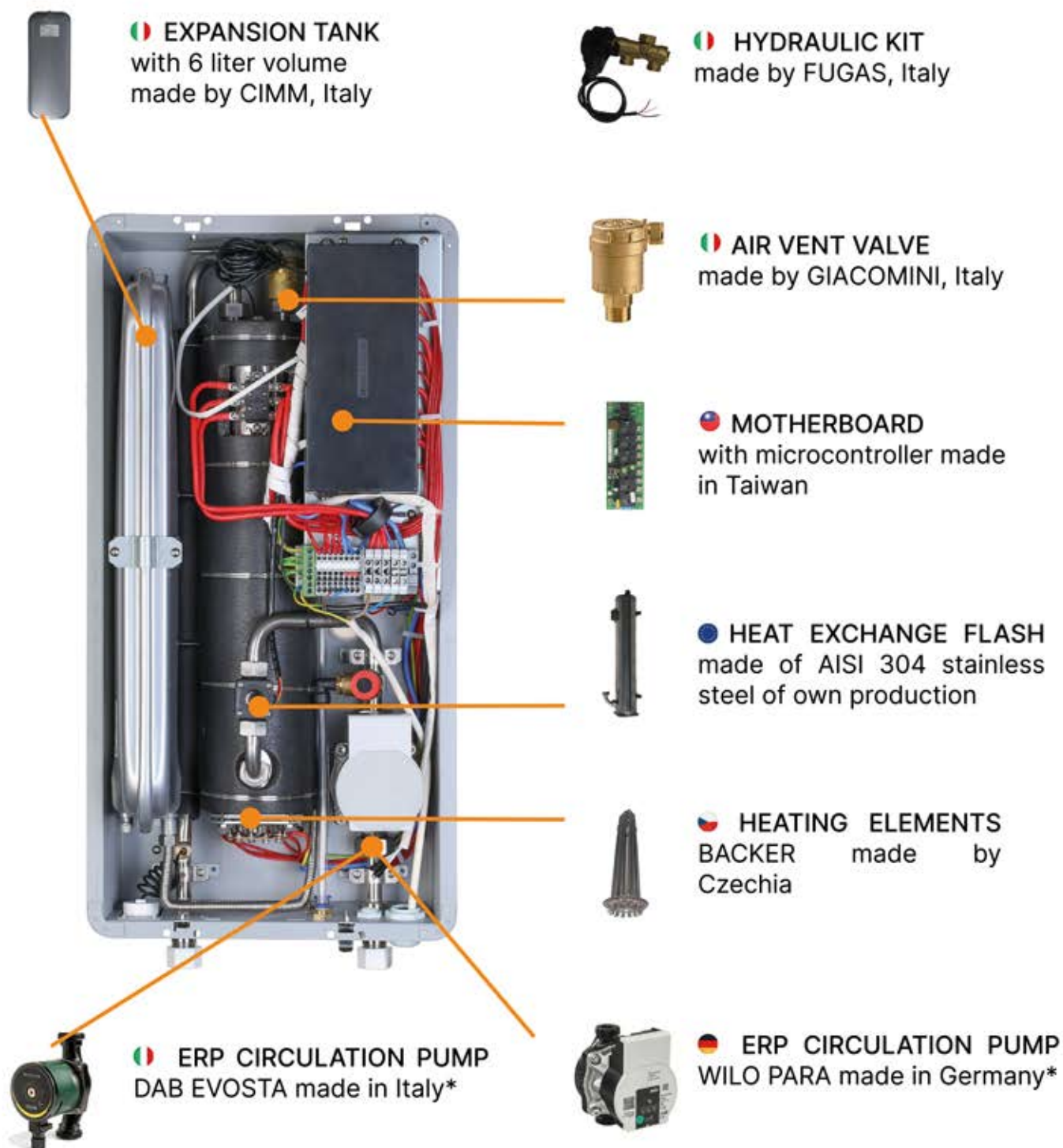


TEKNIX SMART BOILER

# ESPRO COMPONENTS

european quality for seamless performance

We created an ergonomic electric boiler that already includes all the necessary components. No need to spend time buying and installing additional elements.



\*depending on device configuration



# TECHNICAL SPECIFICATIONS

Parameters description		ESPRO 4.5	ESPRO 6	ESPRO 7.5	ESPRO 9	ESPRO 12	ESPRO 15	ESPRO 18	ESPRO 21	ESPRO 24
Power consumption, kW		4.6	6.1	7.6	9.1	12.1	15.1	18.1	21.1	24.1
Coefficient of performance, %		99								
Mains voltage, V		380 (1X220)± 10%				380 ± 10%				
Mains frequency, Hz		50								
Type of mines priming systems		TN-C-S / TN-S								
Current consumption, A	At three-phase inclusion	7	9	11	14	18	23	27	32	36
	At single-phase inclusion	20,5	27	34	-	-	-	-	-	-
Recommended circuit breaker current, A	At three-phase inclusion	10	16	16	16	20	25	32	40	40
	At single-phase inclusion	25	32	40	-	-	-	-	-	-
Recommended cable cross-section with copper core, mm2	At three-phase inclusion (L+N+PE)	5 × 1.5	5 × 2	5 × 2.5	5 × 2.5	5 × 4	5 × 6	5 × 6	5 × 6	5 × 8
	At single-phase inclusion (L+N+PE)	3 × 4	3 × 4	3 × 6	-	-	-	-	-	-
Number of heating elements, power: pcs x kW		6 × 0.75	6 × 1	6 × 1.25	6 × 1.5	6 × 2	6 × 2.5	6 × 3	6 × 3.5	6 × 4
Operating pressure range, bar		0.14 - 1.5								
Maximum pressure, bar		3.0								
Coolant temperature control range, °C		From + 30 to + 80								
Maximum coolant temperature, °C		+80								
Range of regulation of temperature of air indoors on the sensor which is included °C		from +10 to + 26								
Range of regulation of temperature of hot water in a boiler of indirect heating °C		from +30 to + 60								
Type of water circulation pump		WILO Para 15/6 / DAB EVOSTA 2, depending on configuration								
Pump power, W		3 - 43								
Emergency thermostat operation temperature °C		+ 105								
The minimum flow of water through the boiler, l/min		3.7								
Expansion tank volume		6								
Excess pressure of the expansion tank, bar		1.0								
Overall dimensions, mm <div>• width • depth • height</div>		• 375			• 248		• 744			
Boiler weight without coolant, kg		23				24				
Connecting size		G3/4								
Degree of protection		IP30								
Characteristics of the Wi-Fi module		• 802.11 standart, 2.4 GHz • mode of operation of the STA client, • AP access point, - recommended router range 2.4 GHz								

## ALL PRODUCTS ARE CERTIFIED



# QUALITY SERVICE

and convenient operating instructions



2-year warranty  
on all components



Boiler operation notification  
system in the app



Compensation for spare  
parts after confirmation of  
each warranty case



Automatic notification to  
service department in case of  
malfunction



Detailed instructions for easy boiler maintenance



## CONTACTS

To learn more:



[teknix.pro](https://teknix.pro)