



 **Termoakim**[®]
heating systems

GALAXI SMART

ELECTRIC BOILER



MADE IN
TÜRKİYE












HIGHLIGHTS FEATURES

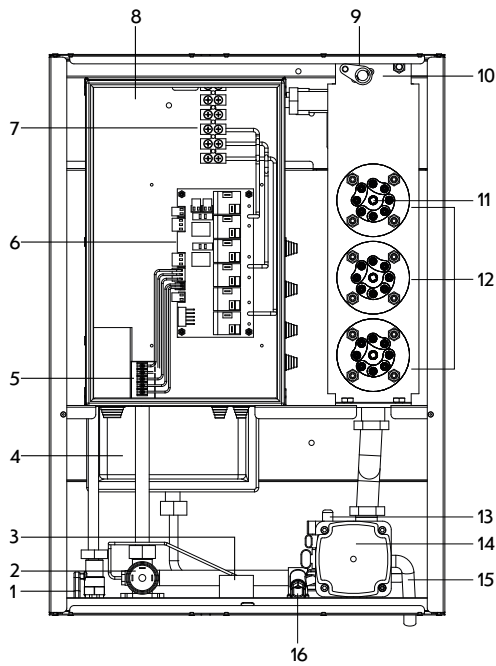
- 99% efficient operation.
- Multifunctional graphic display.
- Easy to use keypad.
- Troubleshooting and controls on the screen.
- Programming 5 different time clocks during the day.
- Ability to determine different operating temperatures for each program.
- Gradual capacity selection with microprocessor providing 25% economy.
- Circulation pump control modulation according to need, providing 7% economy.
- Rating modulation of DHW and radiator temperature separately, saving 12%.
- Specially designed chrome resistances.
- Boiler (external hot water tank) installation and control.
- Boiler temperature probe connection and three-way valve output.
- Underfloor heating compatible.
- Room thermostat output.
- High efficiency with specially developed mixer exchanger.
- It has a limit thermostat against overheating.
- Pump blockage protection.
- Frost protection.
- Automatic air-vent.
- Manual deaeration valve for quick and easy removal of air from the device.
- Safety system against running without water.
- Protection against the high pressure with 3 bar safety valve.
- Wilo or Grundfos circulation pump.

CONTROL PANEL and KEY FUNCTIONS



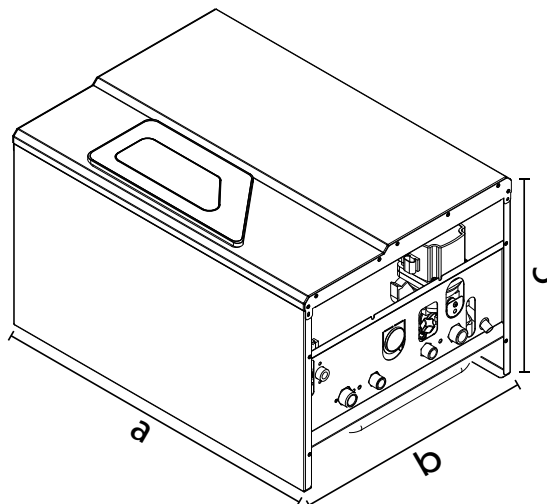
	Boiler Mode Button.
	Winter Mode Button.
	Menu Button.
	Selection and Confirmation Button.
	ESC Button.
	Timer Feature Enable/Disable Button.
	Up and Increased Button.
	Down and Decreased Button.
	Device Standby / Activation Button.

PARTS OF THE DEVICE



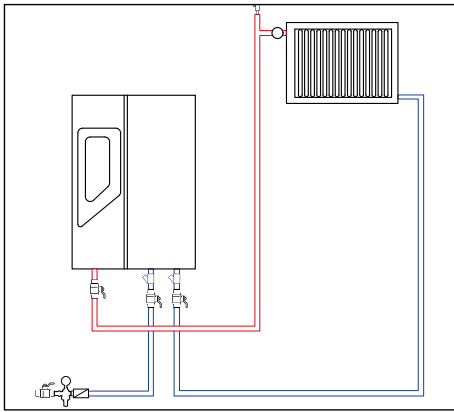
1. Air Release Valve
2. Low Pressure Sensor (Water Kit)
3. Manometer
4. Expansion Tank
5. SMPS Transformer
6. Relay PCB
7. Input Terminal
8. Power Distribution Board
9. Safety Thermostat
10. Boiler Body
11. Boiler Heat Probe (100k)
12. Heating Elements
13. Automatic Air Release
14. Circulation Pump
15. 3 Bar Safety Valve
16. Filling Valve

DIMENSIONS and TECHNICAL SPECIFICATIONS

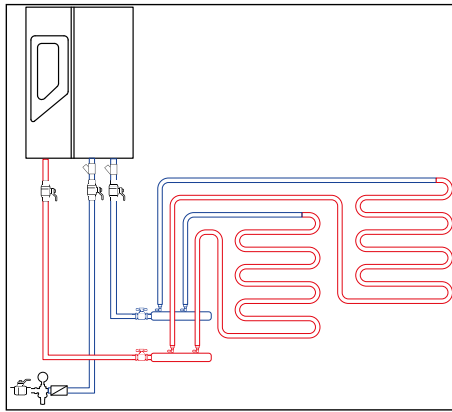


FEATURES	SMART-6		SMART-8		SMART-10		SMART-12		SMART-18	SMART-24	SMART-30	SMART-36	SMART-40
Power (kW)	6		8		10		12		18	24	30	36	40
Electric Type	Monophase	3-phase	Monophase	3-phase	Monophase	3-phase	Monophase	3-phase	3-phase				
Electrical Connection (V-50 Hz)	230	400	230	400	230	400	230	400	400				
Capacity (kcal/h)	5.160		6.880		8.600		10.320		15.480	20.640	25.800	30.960	34.400
Amper (A)	27	10	36	12	45	16	55	19	27	36	45	55	60
Recommended Fuse (A)	32	16	40	16	50	20	63	20	32	40	50	63	63
Recommended Leakage Relay (A)	40	25	40	25	63	25	63	25	40	40	63	63	63
Device Connection Cable (mm ²)	3x4	5x2,5	3x6	5x2,5	3x6	5x2,5	3x10	5x4	5x4	5x6	5x10	5x10	5x16
Operating Pressure (bar)	2												
Boiler Temperature Range (°C)	40/75												
DHW Temperature Range (°C)	40/60												
Radiator Flow Diameter (inch)	3/4												
Device Size a x b x c (mm)	645x460x385												
Packaged Device Size a x b x c (mm)	710x520x455												
Weight (kg)	31				32				33				
Packaged Weight (kg)	33				34				35				

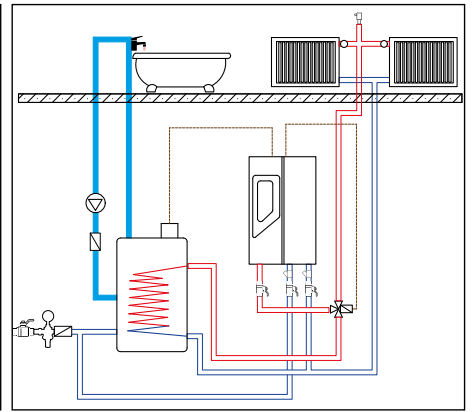
INSTALLATION DIAGRAMS



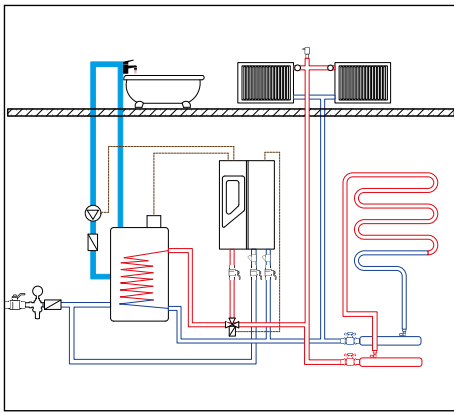
Electric boiler, radiator wiring diagram.



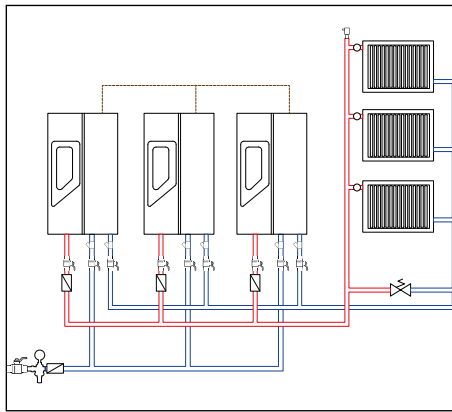
Electric combi underfloor heating wiring diagram.



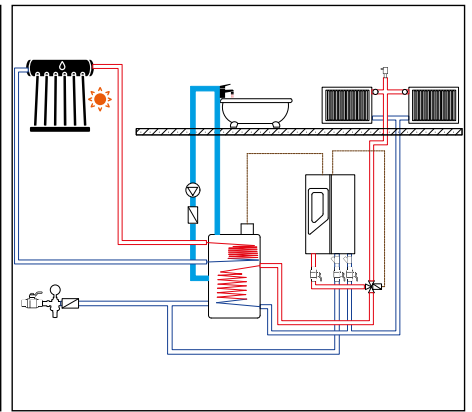
Electric boiler, boiler and radiator connection diagram.



Electric boiler, boiler, radiator, floor heating wiring diagram.

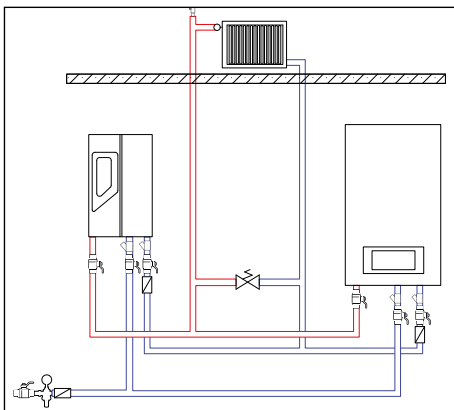


Electric boiler cascade wiring diagram.

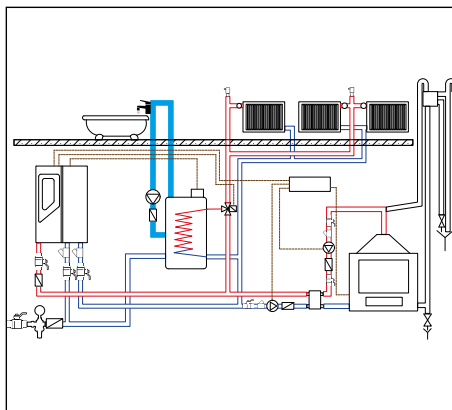


Electric boiler, solar powered boiler and radiator wiring diagram.

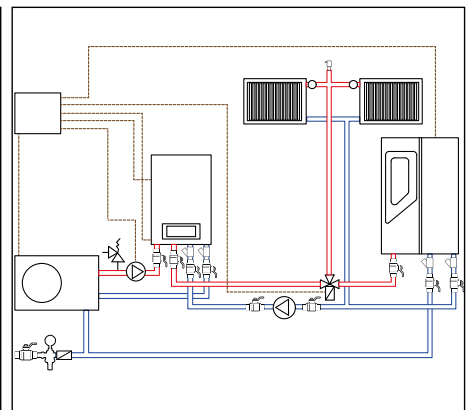
PARALLEL CONNECTION WITH OTHER DEVICES



Electric combi boiler and gas combi boiler parallel connection diagram.



Connection diagram to electric boiler, boiler, radiator, water fireplace and similar devices.



Electric boiler and heat pump parallel connection diagram.