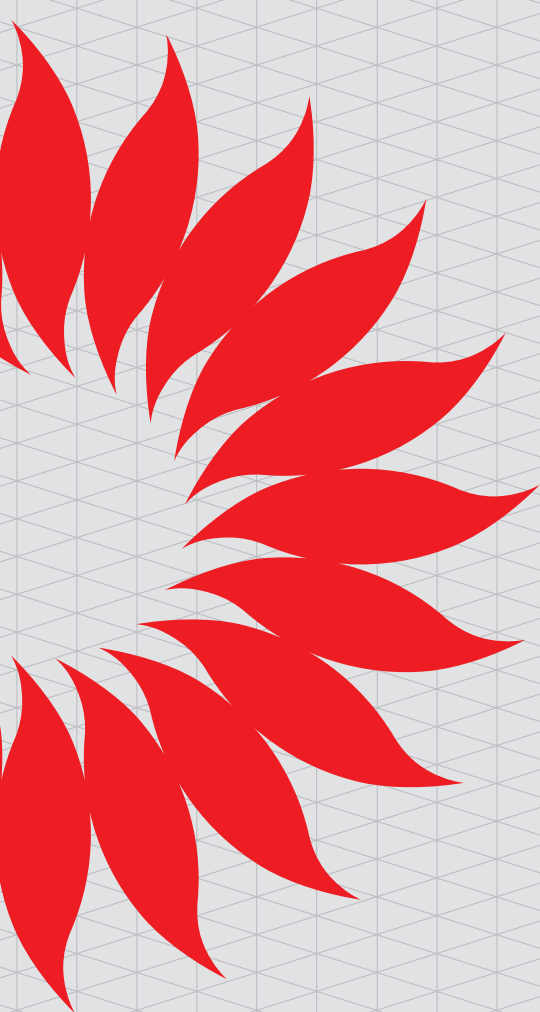




Kalorina series 22

Electronic pellet boiler





KALORINA SERIES 22

Electronic pellet boiler

FUELS series 22

Wood pellets
Wood
Olive husk
Marc of olives
Minced shells
Cereals (for models BK)



REMOTE ASSISTANCE
REMOTE CONTROL
REMOTE ALARMS

On the control panel there is a USB port for PC connection through internet.

A technical can interact with your boiler and makes all the necessary settings.

AN ECONOMIC, BUT VERY EFFICIENT HEATING SOLUTION

Range: from 23 to 115 kW thermal output power.

Kalorina 22 E, the ecological boiler, with its innovative technology ensures a high and constant efficiency level, low emissions and reduced fuel consumption.

The system offers:

A solid and robust modular structure that provides more flexibility during installation and assembly, making easy the handling and the passage in tight spaces, the periodic maintenance and service.

A horizontal smoke tubes heat exchanger, thanks to its special geometry and an optimum design ensures high yield.

Biomass is fed from the hopper to the combustion chamber through a feeder formed by a jumping dispenser auger (to prevent the backfire) and a supercharged auger (Stoker).



AZIENDA CERTIFICATA UNI EN ISO 14001



Digital control panel



Bio-fuel burner (preparation)



Combustion chamber

The 190 litres fuel storage hopper, equipped with capacitive sensor that provides long range operation (see storage solutions to increase the efficiency).

The electronic panel that controls the automatic functioning of ignition, transport fuel, management of primary and secondary air flow, modulating combustion power, auto-maintenance.

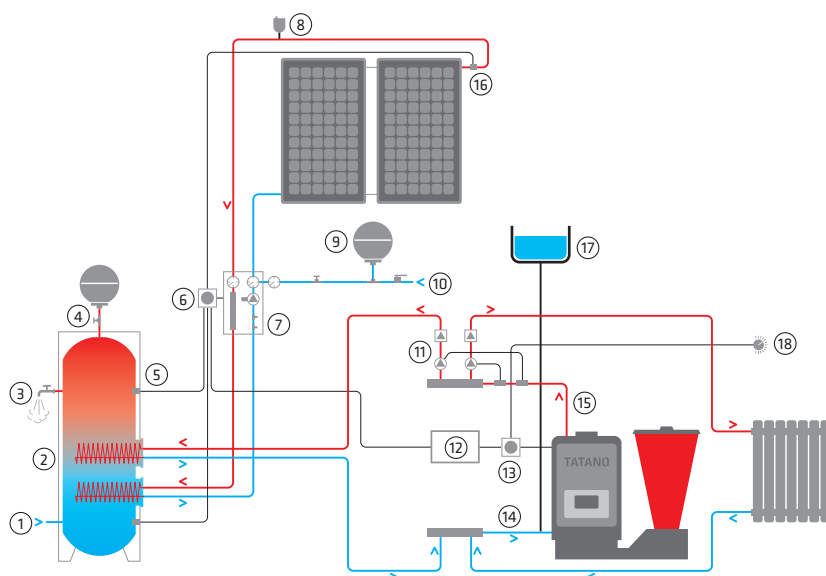
The remote-assistance service allows you to control and operate on distance.



Combustion chamber and tubes

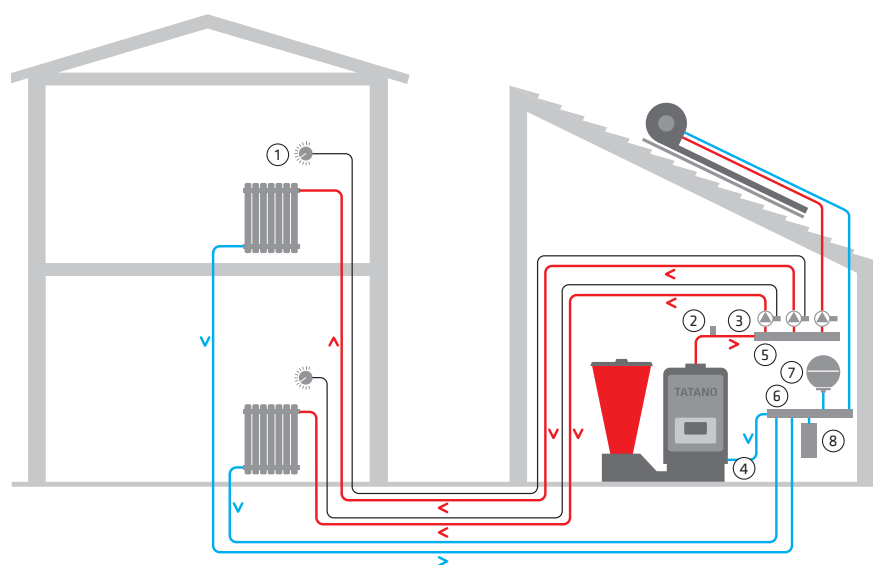
Kalorina series 22		K 2202 E	K 2203 E	K 2204 E	K 2206 E	K 2208 E	K 2210 E
Nominal power	kW	23	29	46	69	93	115
Maximum allowable working pressure	bar	3	3	3	3	3	3
Boiler Class	EN 303-5: 1999 Class 3						
Maximum allowable working temperature	°C	90	90	90	90	90	90
Water content	L	64	116	116	158	200	245
Dimensions mm	width	1250	1350	1350	1350	1350	1350
	depth	850	980	980	1180	1380	1700
	height	1127	1276	1276	1276	1276	1276
Pipes Ø	flow	2"	2"	2"	2"	2"	2"
	return	1"	1" ½	1" ½	1" ½	1" ½	1" ½
	expansion tank	1"	1"	1"	1"	1"	2"
Chimney flue	Ø mm	150	200	200	200	200	250

INSTALLATION DRAWINGS



Biomass boiler for heating and water production with the integration of a 300 Lt centralized solar system

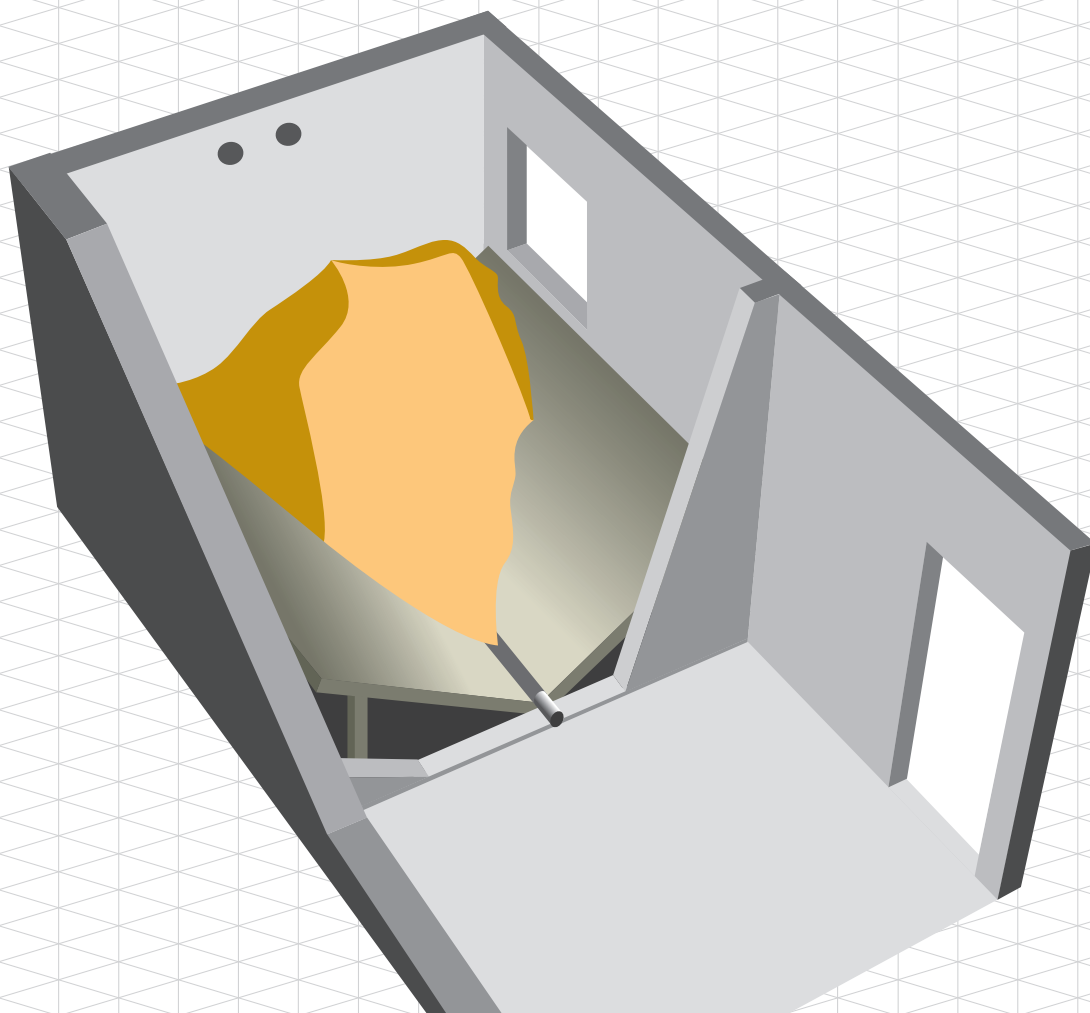
- 1 Cold water input
- 2 Lt 300 tank
- 3 Hot water output
- 4 Safety valve
- 5 Temperature sensor
- 6 Control unit
- 7 Adjustment unit
- 8 Bleed valve air
- 9 Closed expansion tank
- 10 Group of automatic filling
- 11 Collector, pump, non-return valve and sensors
- 12 Contactors panel
- 13 Boiler control panel
- 14 Return
- 15 Fluid flow
- 16 Sensor
- 17 Open expansion tank
- 18 Thermostat



Biomass boiler for heating and water production with integration of natural circulation thermal solar

- 1 Thermostat
- 2 Safety valve
- 3 Fluid flow
- 4 Return
- 5 Collector and pumps
- 6 Collector return
- 7 Closed expansion tank
- 8 Group of automatic filling

STORAGE/EXTRACTION SYSTEMS

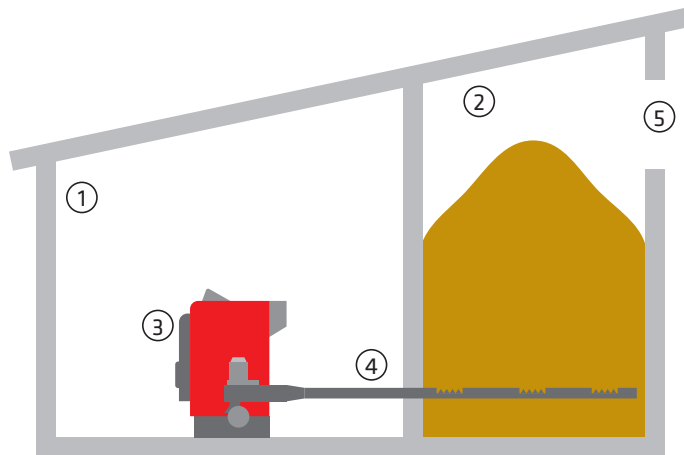


Storage for pellet / wood chips

The stock is the classic solution for storing the fuel and having a greater autonomy.

The best extraction technique depends on the requirements of your home. Our extraction systems are: the adjustable feeder, the auger or the spring transport system.

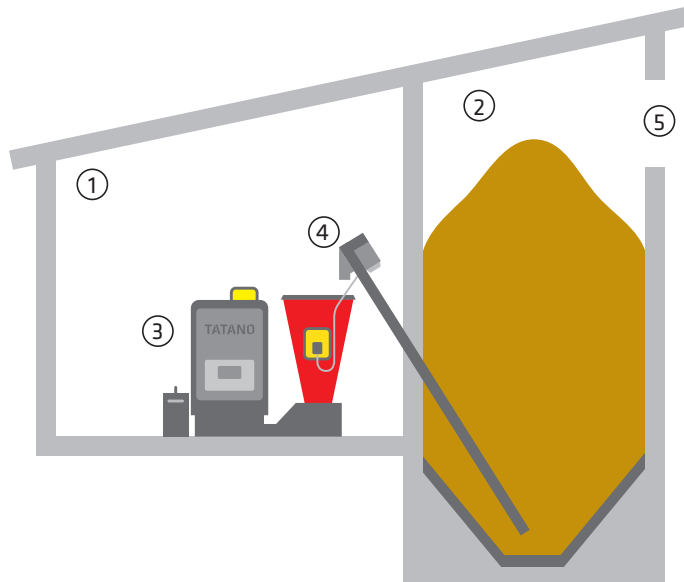
Systems for extraction



Extraction by adjustable feeder.

The storage is located near the boiler compartment.

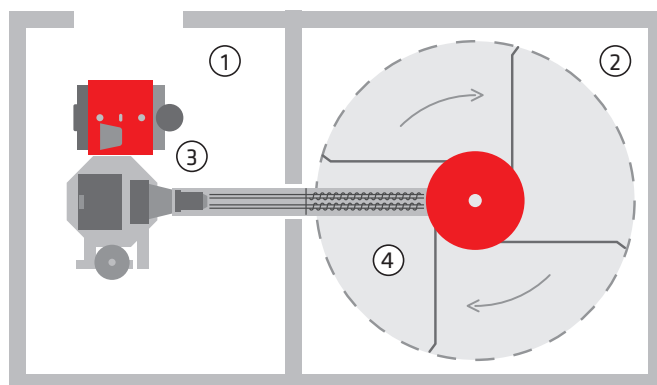
- 1 Boiler compartment
- 2 Fuel storage hopper
- 3 Biomass boiler
- 4 Adjustable feeder
- 5 Trapdoor loading fuel



Extraction by motorized auger.

The storage is located near the boiler compartment or underground.

- 1 Boiler compartment
- 2 Fuel storage hopper
- 3 Biomass boiler
- 4 Motorized auger complete with sensor for fuel level
- 5 Trapdoor loading fuel



Extraction by leaf spring agitator.

The storage is located near the boiler room.

- 1 Boiler compartment
- 2 Fuel storage hopper
- 3 Biomass boiler
- 4 Transport system



Boilers
made in Italy



TATANO s.n.c.

Zona ind.le / Scalo ferroviario
92022 Cammarata (Ag), Italy

Via F. Cassoli, 29
29122 Piacenza, Italy

Biomass boilers
Solar system

Tel. +39 0922 901376
Fax +39 0922 902600

Tel. +39 0523 609788
Fax +39 0523 574274

tatano@tatano.it
www.tatano.it