



Hoop 7 Steel
Hoop 9 Steel

INFORMATION ON SOLID FUEL HEATING APPLIANCES According to Regulation (EU) No. 1185/2015

Manufacturer	Aico
Model identifier(s)	Hoop 7 Steel
Brand	Ravelli
Indirect heating functionality	No
Direct heat output	6,4 kW
Indirect heat output	-- kW

EN

Fuel type	Preferred fuel (only one):	Other suitable fuel(s):	η_s [x%]	Space heating emissions at nominal heat output(*)				Space heating emissions at minimum heat output (*) (**)				
				PM	OGC	CO	NOx	PM	OGC	CO	NOx	
				[x] mg/Nm ³ at 13%O ₂				[x] mg/Nm ³ at 13%O ₂				
Wood logs with moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	no	82,6	13	7	216	97	24	5	377	114	

Characteristics when operating with the preferred fuel only

Item	Symbol	Value	Unit	Type of heat output/room temperature control (select one)	
Heat output				single stage heat output, no room temperature control	No
Nominal heat output	P _{nom}	6,4	kW	two or more manual stages, no room temperature control	No
Minimum heat output (indicative)	P _{nom}	4,2	kW	with mechanic thermostat room temperature control	No
Useful efficiency (NCV as received)				with electronic room temperature control	No
Useful efficiency at nominal heat output	$\eta_{th,nom}$	94,2	%	with electronic room temperature control plus day timer	No
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	95,4	%	with electronic room temperature control plus week timer	Yes
Auxiliary electricity consumption				Other control options (multiple selections possible)	
At nominal heat output	e _{l,max}	0,042	kW	room temperature control, with open window detection	No
At minimum heat output	e _{l,min}	0,034	kW	room temperature control, with presence detection	No
In standby mode	e _{l,SB}	0,003	kW	with distance control option	Yes

(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied.

INFORMATION ON SOLID FUEL HEATING APPLIANCES According to Regulation (EU) No. 1185/2015

Manufacturer	Aico
Model identifier(s)	Hoop 9 Steel
Brand	Ravelli
Indirect heating functionality	No
Direct heat output	8,4 kW
Indirect heat output	-- kW

EN

Fuel type	Preferred fuel (only one):	Other suitable fuel(s):	η_s [x%]	Space heating emissions at nominal heat output(*)				Space heating emissions at minimum heat output (*) (**)				
				PM	OGC	CO	NOx	PM	OGC	CO	NOx	
				[x] mg/Nm ³ at 13%O ₂				[x] mg/Nm ³ at 13%O ₂				
Wood logs with moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	no	81,4	12	7	168	100	24	5	377	114	

Characteristics when operating with the preferred fuel only

Item	Symbol	Value	Unit	Type of heat output/room temperature control (select one)	
Heat output				single stage heat output, no room temperature control	No
Nominal heat output	P _{nom}	8,4	kW	two or more manual stages, no room temperature control	No
Minimum heat output (indicative)	P _{nom}	4,2	kW	with mechanic thermostat room temperature control	No
Useful efficiency (NCV as received)				with electronic room temperature control	No
Useful efficiency at nominal heat output	$\eta_{th,nom}$	92,6	%	with electronic room temperature control plus day timer	No
Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	95,4	%	with electronic room temperature control plus week timer	Yes
Auxiliary electricity consumption				Other control options (multiple selections possible)	
At nominal heat output	e _{l,max}	0,044	kW	room temperature control, with open window detection	No
At minimum heat output	e _{l,min}	0,034	kW	room temperature control, with presence detection	No
In standby mode	e _{l,SB}	0,003	kW	with distance control option	Yes

(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied.

Preface

Dear Customer, We would like to thank you for choosing one of our stoves.

We invite you to read this manual carefully, before installing and using it. It contains all necessary information for correct installation, start-up, operation, cleaning, maintenance, etc.

Keep this manual in a suitable location.

Incorrect installation, maintenance and improper use of the product relieve the Manufacturer of all liability deriving from use of the stove.

For further information and requirements contact your Ravelli-authorized Technical Assistance Centre.

All rights reserved. No part of this instructions manual can be reproduced or transmitted through any electronic or mechanical means, including photocopies, recordings or any other storage system, for other purposes that are not exclusively use by the buyer's staff, without the express written consent of the Manufacturer.

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IDENTIFICATION**Stove identification****Type of product**

PELLET STOVE

Trademark

Ravelli

Model

Hoop 7 Steel - Hoop 9 Steel

Manufacturer identification**Manufacturer**

Aico S.p.A.
Via Consorzio Agrario, 3 - 25032
Chiari (BS) - Italy
T. + 39 030 7402939
info@ravelligroup.it
www.ravelligroup.it

Reference standards

The stoves Hoop 7 Steel - Hoop 9 Steel that this manual refers to are compliant with the regulation:

305/2011, CONSTRUCTION PRODUCT REGULATION

and the following directives

2014/53/EU (RED)

2011/65/EU 2015/863/EU, 2017/2102/EU, (RoHS)

2009/125/EC (Ecodesign)

And the following harmonised standards and/or technical specifications have been applied:

EN 14785; EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3; EN 60335-1; EN 60335-2-102; EN 62233; EN 50581; ETSI EN 300220-1

All local regulations, including those referring to national and European standards, must be respected when installing the appliance.

Label
Model: Hoop 7 Steel

APPARECCHIO PER IL RISCALDAMENTO DOMESTICO ALIMENTATO A PELLETTI DI LEGNO
 RESIDENTIAL SPACE HEATING APPLIANCE FIRED BY WOOD PELLETS
 APPAREIL DE CHAUFFAGE DOMESTIQUE À CONVECTION À GRANULES DE BOIS
 APARATO DE CALEFACCION DOMESTICA ALIMENTADO CON PELLETS DE MADERA
 HUISHOUDELIJKE RUIJMEVERWARMINGSTOESTELLEN GESTOOKT MET GEPEERST HOUT
 RAUMHEIZER ZUR VERFEUERUNG VON HOLZPELLETS

$P_{IN,nom}$	6,8 kW	$P_{IN,part}$	4,4 kW
P_{nom}	6,4 kW	P_{part}	4,2 kW
$CO_{nom(13\%O_2)}$	0,0173 %	$CO_{part(13\%O_2)}$	0,0302 %
η_{nom}	94,2 %	η_{part}	95,4 %
p_{nom}	10 Pa	W	209 W
T_{nom}	108,6 °C		
230 V 50 Hz			

Usare solo il combustibile raccomandato:
 Use only recommended fuel:
 Utilizer seulement les combustibles recommandés:
 Use solo el combustible recomendado:
 Gebruik alleen de aanbevolen brandstof:
 Nur empfohlenes Brennmaterial verwenden:

Pelletti di legno
 Wood pellet
 Granulee de bois
 Pellet de madera
 Houtpellet
 Holzpellets
 Ø 6 mm

Leggere le istruzioni d'uso / Read and follow the operating manual / Lire et suivre le mode d'emploi / Lea y respete le manual de operation / Lees en volg de handleiding voor bediening / Bitte lesen und befolgen Sie die Montage und Nutzungsanweisungen

Distanza minima da materiali infiammabili	d_{S-R}	200 mm
Minimum distance from flammable materials	d_{S-L}	200 mm
Distance moindre de matériels inflammables	d_R	200 mm
Distancia minima de materiales inflamables	d_C	800 mm
Minimale afstand van brandbare materialen	d_F	1000 mm
Mindestabstand zu brennbaren Materialien	d_B	0 mm

D.o.P. n° 286CPR13.07 (Notified Body 0476)

EN 14785:2006


Anno di produzione: 2022

Model: Hoop 9 Steel

APPARECCHIO PER IL RISCALDAMENTO DOMESTICO ALIMENTATO A PELLETTI DI LEGNO
 RESIDENTIAL SPACE HEATING APPLIANCE FIRED BY WOOD PELLETS
 APPAREIL DE CHAUFFAGE DOMESTIQUE À CONVECTION À GRANULES DE BOIS
 APARATO DE CALEFACCION DOMESTICA ALIMENTADO CON PELLETS DE MADERA
 HUISHOUDELIJKE RUIJMEVERWARMINGSTOESTELLEN GESTOOKT MET GEPEERST HOUT
 RAUMHEIZER ZUR VERFEUERUNG VON HOLZPELLETS

$P_{IN,nom}$	9,1 kW	$P_{IN,part}$	4,4 kW
P_{nom}	8,4 kW	P_{part}	4,2 kW
$CO_{nom(13\%O_2)}$	0,0135 %	$CO_{part(13\%O_2)}$	0,0302 %
η_{nom}	92,6 %	η_{part}	95,4 %
p_{nom}	10 Pa	W	209 W
T_{nom}	140,8 °C		
230 V 50 Hz			

Usare solo il combustibile raccomandato:
 Use only recommended fuel:
 Utilizer seulement les combustibles recommandés:
 Use solo el combustible recomendado:
 Gebruik alleen de aanbevolen brandstof:
 Nur empfohlenes Brennmaterial verwenden:

Pelletti di legno
 Wood pellet
 Granulee de bois
 Pellet de madera
 Houtpellet
 Holzpellets
 Ø 6 mm

Leggere le istruzioni d'uso / Read and follow the operating manual / Lire et suivre le mode d'emploi / Lea y respete le manual de operation / Lees en volg de handleiding voor bediening / Bitte lesen und befolgen Sie die Montage und Nutzungsanweisungen

Distanza minima da materiali infiammabili	d_{S-R}	200 mm
Minimum distance from flammable materials	d_{S-L}	200 mm
Distance moindre de matériels inflammables	d_R	200 mm
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Minimale afstand van brandbare materialen	d_F	800 mm
Mindestabstand zu brennbaren Materialien	d_B	0 mm

D.o.P. n° 288CPR13.07 (Notified Body 0476)

EN 14785:2006


Anno di produzione: 2022

The following symbols are used on the label:

$P_{IN,nom}$	Heat input power (max)	$P_{IN,part}$	Heat input power (min)
P_{nom}	Nominal power	P_{part}	Reduced power
P_{Wnom}	Nominal water heat output	P_{Wpart}	Reduced water heat output
P_{Snom}	Nominal air heat output	P_{Spart}	Reduced air heat output
CO_{nom}	CO at nominal power	CO_{part}	CO at reduced power
η_{nom}	Efficiency at nominal power	η_{part}	Efficiency at reduced power
p_{nom}	Minimum draught at nominal power		
T_{nom}	Flue gas temperature at nominal power	W	Electrical consumption
$T_{W,max}$	Maximum water temperature	$T_{W,max-set}$	Maximum adjustable water temperature
p_{Wnom}	Max working pressure	230 V - 50 Hz	Alimentation
Distance to combustible materials			
d_{S-L}	Left side	d_C	Ceiling
d_{S-R}	Right side	d_F	Front
d_R	Rear	d_B	Floor

n.d.: undeclared data

WARRANTY

Read the warranty conditions contained below.

Warranty conditions

The warranty for the Customer is acknowledged by the Dealer under the terms of law.

The Dealer acknowledges the warranty only if the product has not been tampered with and only if it has been installed in accordance with the Manufacturer's instructions.

The limited warranty covers manufacturing material defects, as long as the product has not broken due to an incorrect use, negligence, incorrect connection, tampering, installation errors.

The warranty becomes null and void even if only one requirement in this manual is not complied with.

The following are not covered by warranty:

- the combustion chamber refractory stones;
- the door glass;
- the gaskets;
- the paint job;
- the stainless steel or cast iron fire pot;
- the electric resistance;
- the Majolica cladding;
- the aesthetic parts;
- any damages caused by unsuitable installation and/or use of the product and/or shortcomings on the part of the customer.

The use of poor quality pellet or any other unauthorised fuel may damage the product's components, cause its warranty to be voided and as a result eliminate the connected manufacturer liability.

It is therefore recommended to use good quality pellet that fulfils the requirements listed in the dedicated chapter.

All damages caused by transportation are not recognised, for this reason it is recommended to carefully check goods upon receipt, immediately warning the reseller of any damage.

Registration of warranty



To activate the warranty, it is necessary to register the product on the Guarantee Portal on the website www.ravelligroup.it, by entering your data and the purchase receipt.

Info and problems

Dealers authorised by Ravelli use a trained Technical Service Centre network to meet the Customer's requirements. For any information or request for assistance, please contact your Dealer or the Technical Service Centre.

GENERAL INFORMATION

Supply and safe-keeping

The manual is supplied in printed format.

Keep this manual safe, with the appliance, so that the user can consult it easily.

The manual is an integral part, for safety reasons, therefore:

- **it must be kept intact** (in full). If it gets lost or ruined it is necessary to immediately ask for a new copy:
- **it must be kept with the appliance until demolition** (including relocation, sale, rental, lease, etc....).

The Manufacturer will not be held liable for improper use of the appliance and/or damage caused by operations that are not set forth in the technical documentation.



Language

The original manual was written in Italian.

Any translations into additional languages must be carried out based on the original instructions.












The Manufacturer is liable for the information contained in the original instructions; the translations into different languages cannot be fully verified therefore if any inconsistency arises it will be necessary to follow the text in the original language or contact our Technical Documentation Office.




Symbols used in the manual

symbol	definition
	This symbol is used to identify particularly important information in the manual. This information also concerns the safety of users involved in using the appliance.
	This symbol is used to identify important warnings for the safety of the user and/or the appliance.

SAFETY MEASURES

General safety warnings

-  Read this instructions manual carefully before appliance installation and use. Failure to observe the instructions set forth herein can void the warranty and/or cause damage to property and/or people.
 -  Appliance installation, system verification, operation verification and initial calibration must be carried out exclusively by qualified and authorised staff.
 -  The appliance needs to be connected to a single chimney that guarantees the draught declared by the Manufacturer and observes the installation regulations that apply to the installation site.
 -  The room where the appliance is installed must have an air intake.
 -  The appliance must not be used as an incinerator or differently from its purpose
 -  Do not use any fuel other than fire pellet. It is forbidden to use liquid fuels.
 -  It is prohibited to use the appliance with the door or ash drawer open or the glass broken.
 -  The device must not be used by children and persons with reduced physical, sensory or mental capabilities, or lack of experience or the necessary knowledge.
 -  It is forbidden to make unauthorised changes to the appliance.
 -  Before using the appliance it is necessary to know the position and function of the controls.
 -  If the chimney catches fire you must call the fire brigade.
-
-


- 
Only use original spare parts. Any tampering and/or replacements that have not been authorised by Ravelli can pose a danger to the user's safety.
- 
In the event of particularly adverse weather conditions, the safety systems could intervene and switch off the appliance. In any case, do not disable the safety systems.
- 
For direct connection to the mains, a device must be provided to ensure disconnection from the mains, with a contact opening distance that allows complete disconnection, under the conditions of overvoltage category III, in accordance with the installation regulations.

Residual risks

The appliance was designed so as to guarantee the user's essential safety requirements.

Safety was integrated into the appliance's design and construction as much as possible.

For every residual risk there is a description of the risk and the zone or part that it applies to (unless the risk applies to the entire appliance overall). Procedure-related information is also provided on how to avoid the risk and on the correct use of the personal protective equipment required by and made compulsory by the Manufacturer.

Residual risk	Description procedure-related information
Risk of burns 	When the appliance is running, it may reach high temperatures to the touch, especially on its external surfaces. Take care to avoid burns and use the specific tools if necessary. Use the supplied glove, if provided, to open pellet cover for loading operations.

DESCRIPTION OF THE APPLIANCE

Intended use

The appliance in question is intended for:

Operation	Allowed fuel	Forbidden	Setting
Domestic space heating by burning:	Pellet	Any fuel other than the permitted ones.	Residential or Commercial

The appliance is designed and built to work safely if:

- it is installed by qualified staff according to the specific standards;
- it is used within the limits declared in the contract and herein;
- the operating manual procedures are followed;
- routine maintenance is carried out according to the times and methods set forth;
- extraordinary maintenance is promptly carried out when needed;
- safety devices are not removed and/or bypassed.

 This appliance must be intended for the use it was specifically designed for.

Reasonably foreseeable incorrect use

Reasonably foreseeable incorrect use is listed below:

- using the appliance as an incinerator;
- using the appliance with fuel other than pellet;
- using the appliance with liquid fuels;
- using the appliance with the door open and the ash drawer out.

Any use of the appliance other than intended must be preventively authorised in writing by the Manufacturer. Without said written authorisation, the use is considered “improper”. Any contractual and non-contractual liability of the manufacturer is excluded for damages to persons, animals or property due to installation and maintenance adjustment errors and improper use.

Obligations and forbidden actions

Obligations

The user must:

- read this instructions manual before performing any operation on the appliance;
- the appliance must not be used by children under the age of 8 or by people with reduced physical, sensorial or mental capacities or without experience or without the necessary knowledge, and always with supervision;
- do not use the appliance improperly, i.e. for uses other than those described in the “INTENDED USE” paragraph;

- it is strictly forbidden to use liquid fuels;
- keep objects that are not heat and/or flame-resistant at a safe distance;
- only and exclusively load the appliance with pellet with the characteristics described herein;
- connect the appliance to a regulation chimney;
- provide a suitable system for the supply of combustion air (air intake or intake duct for watertight appliances);
- always perform maintenance with the appliance off and cold;
- perform cleaning activities at the frequency stated herein;
- use original parts recommended by the Manufacturer.

Forbidden actions

The user must never:

- remove or change the safety devices without authorisation;
- perform operations or manoeuvres of his/her own initiative that are not part of his/her job description, meaning that he/she might jeopardise his/her own safety and that of others;
- use fuels other than pellet and those allowed for lighting;
- use the appliance as an incinerator;
- use flammable or explosive substances near the appliance during operation;
- use the appliance with the door open and/or with the glass ruined or broken;
- close the combustion air and smoke outlet openings, whatsoever;
- use the appliance to dry laundry;
- replace or change some of the appliance parts.

Characteristics of the fuel

Wood pellet is a fuel made of pressed wood sawdust, often recovered from processing scraps of carpentries. The material used cannot contain any extraneous substance such as, for example, glue, lacquer or synthetic substances.

The cylinders have a diameter of 6 mm and a variable length between 10 and 40 mm.

Their density is equal to approximately 650 kg/m³. Due to their low water content (< 10%) they have a high energy content.

The UNI EN ISO 17225-2:2014 standard (that replaces the EN PLUS standard) defines pellet quality by specifying three classes: A1, A2 and B.

Ravelli recommends using wood pellet classified A1 and A2 according to the EN ISO 17225-2:2014 standard, or certified DIN PLUS (more restrictive than the A1 class) or ONORM M 7135. Pellet may be light or dark coloured, it is normally bagged into bags that show the name of the producer, the main characteristics and classification according to standards.



Pellets must be transported and stored in a dry area. Upon contact with humidity they swell and become unusable



Using fuel that is not compliant with the above will void the warranty.

TECHNICAL CHARACTERISTICS

Technical Data

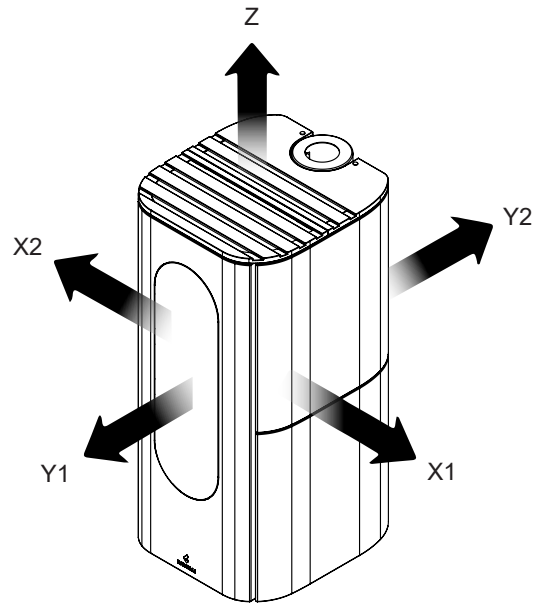
	Units	Hoop 7 Steel	Hoop 9 Steel
Energy efficiency class	- -	A+	A+
Heating input reduced - nominal	kW	4,4 - 6,8	4,4 - 9,1
Heating output reduced - nominal	kW	4,2 - 6,4	4,2 - 8,4
Red. - Nom. Yield	%	95,4 - 94,2	95,4 - 92,6
Hourly consumption	kg/h	0,92 - 1,41	0,92 - 1,88
Loading interval	h	16 - 11	16 - 8
Heating volume *	m ³	115 - 180	150 - 240
CO at 13% of O ₂	%	0,030 - 0,017	0,030 - 0,014
	mg/m ³	377 - 216	377 - 168
OGC at 13% of O ₂	mg/m ³	5 - 7	5 - 7
NO _x at 13% of O ₂	mg/m ³	114 - 97	114 - 100
PM at 13% of O ₂	mg/m ³	24 - 13	24 - 12
Smoke temperature	°C	79 - 109	79 - 141
Smoke flow	g/s	3 - 3,8	3 - 4,7
Minimum draft	Pa - mbar	7 - 0,7	7 - 0,07
Electrical connection	Hz - V	50 - 230	50 - 230
Electrical power consumption max.	W	209	209
Electrical power consumption reduced - nominal	W	34 - 42	34 - 44
Stand-by electrical consumption	W	2,87	2,87
smoke air inlet Ø	mm	50	50
smoke outlet pipe Ø	mm	80	80
Hopper capacity	kg	15	15
Seasonal energy efficiency	%	82,6	81,4
Type of room temperature control	with electronic room temperature control plus week timer		
Other control options	with distance control option		

The data shown here is provided as a guideline and is not binding, and may change based on what type and quality of wood is used. Ravelli reserves the right to make any changes in order to improve product performance.

* Heatable volume based on the requested power equal to 35 W/m³ and 55 W/m³

Minimum clearances from combustibile materials

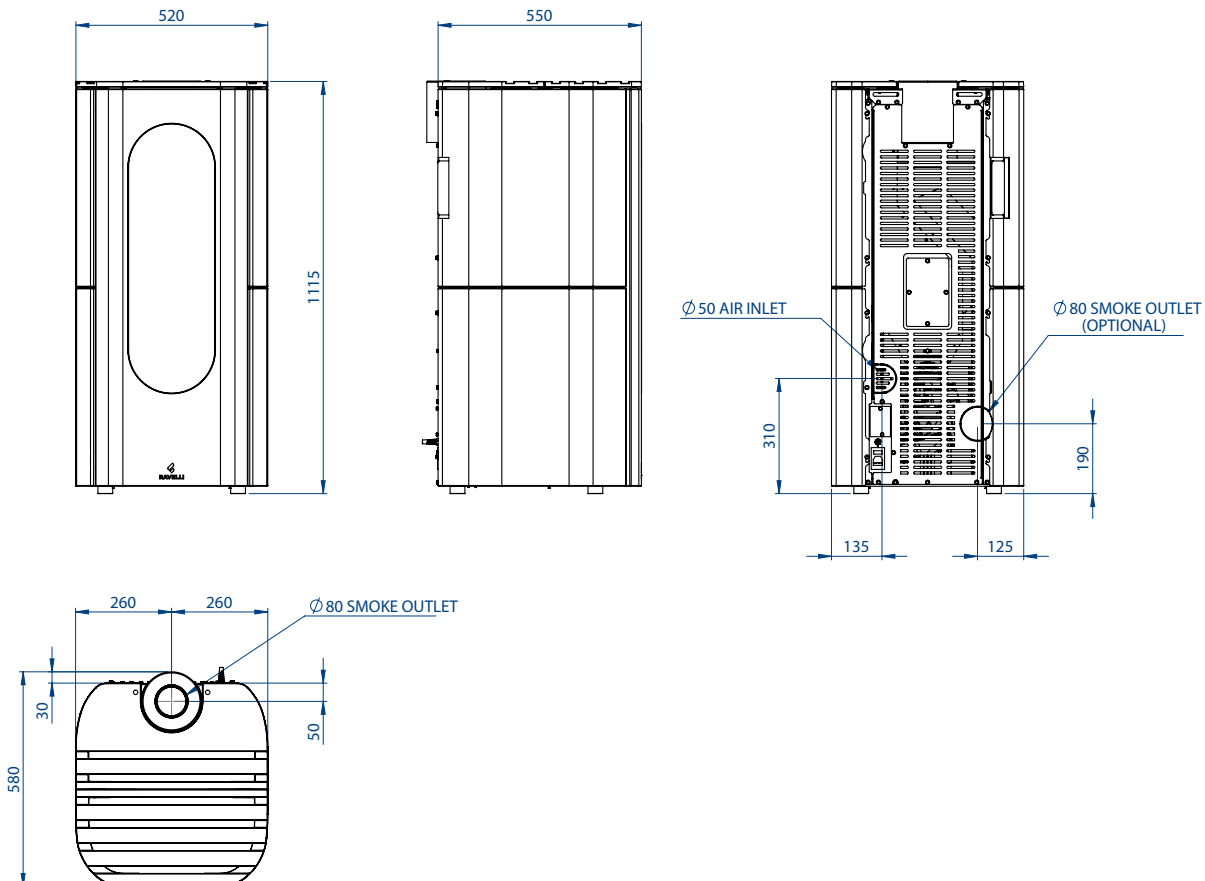
Distanze	Unità di misura	Hoop 7 Steel - Hoop 9 Steel
X1 Lato destro	mm	200
X2 Lato sinistro	mm	200
Y2 Posteriore	mm	200
Y1 Frontale	mm	1000
Z Soffitto	mm	800



Measurements

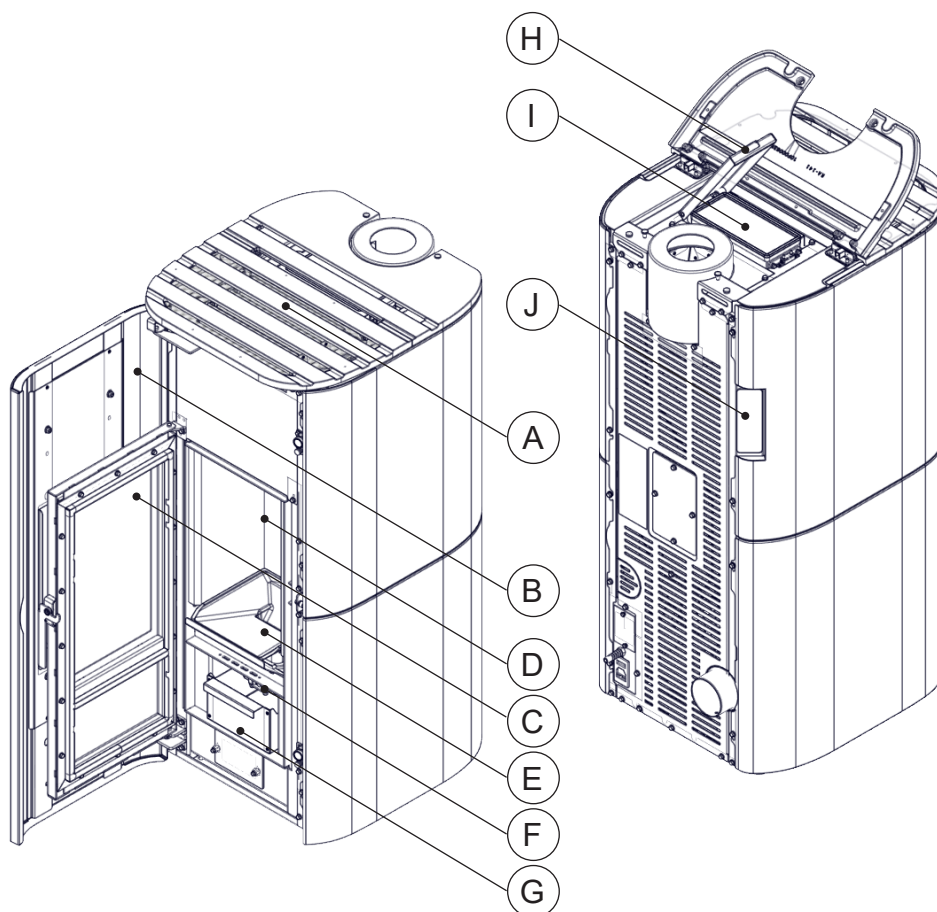
Dimensions	Units of measurement	Hoop 7 Steel - Hoop 9 Steel
Height	mm	1115
Width	mm	520
Depth	mm	550
Weight	kg	186

Technical diagram Hoop 7 Steel - Hoop 9 Steel



Main parts

A	Air passage grille
B	Aesthetic door
C	Combustion chamber door
D	Combustion chamber
E	Ash slide
F	Fire pot
G	Ash drawer
H	Pellet tank door
I	Pellet tank
J	Control panel

**Description of operation**

Ravelli Hoop pellet stoves are home heating appliances powered by wood pellets with automatic loading. They are suitable for use as a secondary heating system or as a support for the main heating system.

The heat generated by pellet combustion is diffused in the installation room by radiation and natural convection. It is possible to choose whether to activate the front fan or keep the stove in operation by natural convection.

The stove is controlled by an electronic control unit that manages the start-up, operation and shutdown phases and also includes many other functions for control, programming and safety.

The user can choose the operating power from 5 levels, or set the temperature to be maintained in the room. In this case the stove will manage the power to ensure maximum comfort. Among the functions of the electronic control unit there is also that of being able to program the start-up and shutdown of the stove, setting the weekly chronothermostat.

All this can be done remotely, using the application available for your phone.

Ravelli's patented cleaning system minimises maintenance by the user. There is no longer any need to clean the brazier before each lighting and all cleaning operations are reduced to a minimum.

Automatic cleaning system

The stove is equipped with automatic brazier cleaning system. This means that there is no need to carry out daily manual cleaning of the brazier or every time the stove is lit. The automatic cleaning system is activated every time the stove is lit and after 6 hours of continuous operation. The cleaning cycle, which involves shutting down, automatic cleaning and restarting the stove, takes about 10 minutes. During this period the heating is guaranteed by the heat accumulated by the appliance itself.

Note: the times indicated are those set by default by the Manufacturer.

Recharge the fuel

Use only wood pellets, the characteristics shown in this manual.



During pellet loading prevent the pellet bag from coming into contact with hot surfaces.



It is not recommended to empty the pellet bag directly into the hopper to avoid depositing wood sawdust on the bottom of the hopper.

To load the pellets inside the hopper, proceed as described below:

Step	Action
1	Open the pellet hopper cover
2	Pour the pellets into the hopper
3	Close the pellet hopper cover

User training

Once installation is complete, the user must always be fully trained in the functions and characteristics of the stove by the technician authorized by Ravelli to ensure optimal and safe use.

The training should cover the following topics:

- Description of the stove, its operation and basic settings
- How to turn the stove on and off safely
- Fuel storage and refilling
- What to do in the event of an alarm, in particular that of “no ignition”
- How to clean the stove correctly and the importance of performing it on a regular basis
- It is advisable to schedule the first annual maintenance

Safety devices

The stove has been designed and equipped with safety systems to minimize user risks.

It is equipped with the safety devices listed in the following table, which also intervene in case of failure of the electronic board.

Element	Description
Pellet tank thermostat	If the temperature exceeds the set safety value, it immediately stops the pellet loading motor and the stove is automatically switched off; to restart it, it is necessary to wait until it has cooled down.
Pressure switch for closing combustion chamber door, ash drawer and pellet hopper lid	If the door of the combustion chamber, the ash drawer or the pellet hopper lid are not properly closed, it immediately stops the pellet loading motor; if they are not closed within 60 seconds, the stove switches off automatically.
Electrical safety	In case of failure of the electrical components or wiring, the fuse and grounding keep the appliance safe. It is necessary that the electrical system of the house is up to standard, equipped with a grounding circuit and all the safety systems required by the standards.

If the anomalies listed below occur, the stove automatically switches itself off:

Anomalies	Description
High/low temperature in the combustion chamber	If the temperature probe in the combustion chamber detects temperatures that are too high or too low, the stove is switched off and the relative alarm is displayed
High flue gas temperature	If the temperature probe at the smoke outlet detects temperatures that are too high, the stove is switched off and the relative alarm is displayed
Smoke fan failure	If the fan stops, the electronic board blocks the supply of pellets and the alarm is displayed
Pellet feed gearmotor failure	If the gear motor fails, the product shuts down safely and the corresponding alarm is displayed
Cleaning system gear motor failure	If the gear motor fails, the product shuts down safely and the corresponding alarm is displayed
Temporary power failure	If there is a power failure during operation, the temperature in the combustion chamber is checked when power is restored, if sufficient the stove restarts, otherwise it shuts down
No ignition	If no flame develops during the ignition phase, the stove goes into alarm



It is forbidden to tamper with the safety devices. Restarting the product is only possible after eliminating the cause that caused the intervention of the safety system. To understand which anomaly occurs, consult this manual which explains, depending on the alarm message that the device displays, how to intervene on it.



If the problem persists, contact the Support Service.

SHIPPING AND INSTALLATION

Safety warnings for transportation and installation



The appliance must be installed by a qualified technician, who must issue a declaration of conformity of the system to the purchaser, taking full responsibility for appliance installation and correct operation.



The appliance installation site must be chosen so that the generated heat can spread evenly throughout the rooms that you wish to heat.



During transport and storage, avoid exposure to rain or persistent humidity.



The appliance needs to be connected to a single chimney that guarantees the draught declared by the Manufacturer and observes the installation regulations that apply to the installation site.



The room where the appliance is installed must have an air intake.



The air vent must be installed in such a way that it can not be blocked.

The Manufacturer will not be held liable for installation that is not compliant with the laws in force, incorrect air circulation in the rooms and inappropriate use of the appliance.

In particular, it is necessary:

- that the appliance be connected to a smoke evacuation system duly sized to guarantee the draught declared by the Manufacturer, that is tight and observes the distances from flammable materials;
- that there is a suitable combustion air intake in compliance with the type of installed product;
- that other installed combustion appliances or devices do not create a vacuum in the room where the appliance is installed;
- that the safety distances from flammable materials are observed.

Verification of system compatibility has a priority over any other assembly or installation operation.



Local administrative regulations and particular requirements of the authorities pertaining to the installation of combustion appliances, the air intake and the smoke evacuation system, may vary based on region or nation. Check with your local authorities if there are stricter laws than set forth herein.

Packaging

When the appliance arrives, check:

- that it is the model you ordered;
- that it has not been damaged during shipping.

Any complaints must be reported to the deliveryman (also on the delivery note) upon receipt.



Check the capacity of the floor before handling and positioning the appliance.



The appliance always needs to be handled vertically. Take extra care to protect the door and its glass against mechanical impact that could jeopardise their integrity.

To unpack the appliance, follow the procedure described below:

- 1 Remove the side straps by unscrewing the fixing screws
- 2 Remove the upper and side wooden cage
- 3 Remove any wrapping
- 4 Remove the appliance from the pallet and position the appliance in the chosen location, ensuring that it is compliant with the directions.




Use suitable equipment to remove the boards or wooden parts of packing.



The end user is responsible for disposing of the packaging in accordance with the laws in force in the country of installation.

Set-ups for the smoke evacuation system

 Be careful when building the smoke evacuation system and observe the regulations in force in the country where the appliance is installed.

 The Manufacturer will not be held liable for incorrectly sized and non-regulation smoke evacuation systems.

Smoke ducts and fittings

The term smoke duct indicates all ducts that connect the combustion equipment to the chimney.

The following requirements need to be applied:

- observe product standard EN 1856-2;
- the horizontal sections must have a minimum slope of 3% upwards;
- the length of the horizontal section must be as minimum as possible, and its projection on the horizontal plane must not exceed 2 metres;
- changes in direction must not have an angle of more than 90° (45° bends are recommended);
- the number of direction changes, including the one necessary for insertion into the chimney, must not exceed 3;
- the cross section must have a constant diameter, the same from where it exits the firebox up to the fitting into the chimney;
- it is forbidden to use flexible metal and fibre cement pipes;
- smoke ducts must not cross rooms where the installation of combustion equipment is prohibited.

In any case, the smoke ducts must be sealed against combustion products and condensation, as well as insulated if they lead outside of the installation room.

Installing manual draught adjustment devices is not allowed.

Chimney


The chimney is a particularly important element for correct appliance operation.

 The chimney must be sized so as to guarantee the draught declared by the Manufacturer.


 Do not connect the appliance to a collective chimney.

The chimney must be built applying the following regulations:

- it must observe product standard EN 1856-1;
- it must be made of materials that are suitable to guarantee resistance against normal mechanical, chemical and thermal stress and be correctly thermally insulated to limit the formation of condensation;
- it must be mainly vertical and not feature any bottlenecks along its entire length;
- it must be correctly spaced with an air gap and insulated from flammable materials;
- there must be a maximum of 2 changes in direction and angles must not exceed 45°;
- the chimney inside the home, however, must be insulated and can be inserted into a skylight shaft, as long as it respects standards regarding placing inside a tube;
- the smoke conduit must be connected to the chimney using a “T” fitting with an inspection collection chamber for combustion residue and especially for collecting condensation.

 It is necessary to check the safety distances that need to be observed when there are flammable materials and the type of insulating material that needs to be used is on the chimney data plate.

 Use watertight pipes with silicone seals.

 It is forbidden to use the discharge mounted directly on the wall or directed towards indoor spaces and any other type of discharge that is not set forth by the regulation in force in the country of installation (Note: in Italy only roof-discharge is allowed).


Chimney pot


The chimney pot, i.e. the top end of the chimney, must fulfil the following characteristics:


- the cross-section of the smoke outlet must be at least twice the internal cross-section of the chimney;
- it must stop water or snow from getting in;
- make sure the smoke is taken away even when there is wind (wind resistant chimney pot);
- the outlet height must be outside of the reflux zone (refer to national and local regulations to calculate the reflux zone);
- it must always be built at a distance from antennas or dishes, it must never be used as support.

Installation

 For appliance installation and use it is necessary to observe all of the local, national and European laws and regulations.


 Appliance installation and the preparation of the building work must observe the regulation in force in the country of installation (ITALY = UNI 10683).


 The installation activities must be carried out by a technician that is qualified and/or authorised by the Manufacturer. The staff in charge of installation must issue a declaration of conformity of the system to the buyer, whereby they take full responsibility for the final installation and good operation of the installed product.

 Ravelli shall not be held liable if these precautions are not followed.

Requirements for the installation premises


The appliance installation room must be sufficiently ventilated. To fulfil this requisite it is necessary to equip the room with an air intake connected to the outdoors.

 The installation room must have an air intake with a free cross-section of at least 80 cm² or 100 cm² in case of boiler.

 For installation in the presence of other combustion appliances or VMC system it is necessary to check the appliance for correct operation.

The appliance must be placed inside living quarters. It must never be installed outdoors. The volume of the room where it is installed must be suitable for the power of the appliance and, in any case, greater than 15 m³.

 When extraction fans (example: extraction hoods) are used in the same room or space as the appliance, this can cause problems to appliance operation.

 The appliance must be installed on a floor with suitable load capacity. If the existing position does not fulfil this requirement, it is necessary to take due measures (for example, using a load distribution plate).

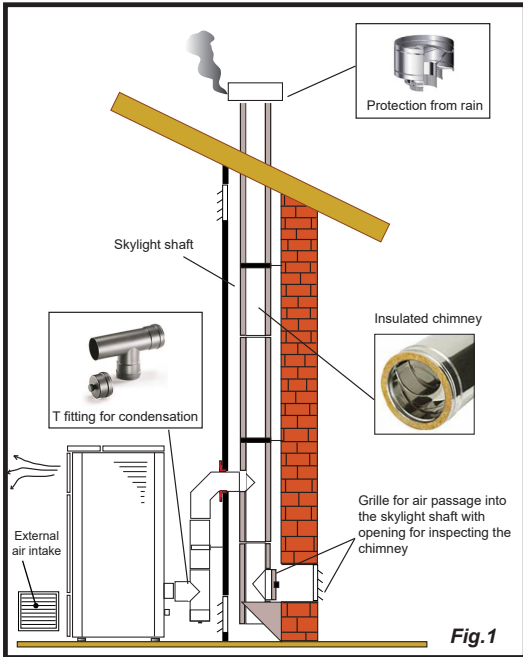
 Provide due insulation if the surface is made of flammable material.

If the side walls adjacent to the appliance are made of a flammable material, it will be necessary to position the appliance at least 30 cm from them.

If the floor that the appliance is standing on is flammable, we recommend duly insulating it. Objects and parts that are heat-sensitive or flammable cannot be stored near the appliance; in any case, keep such objects outside the area bounded by the minimum distances indicated above.

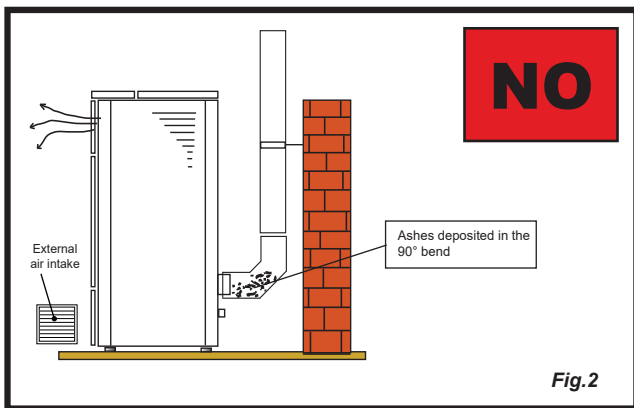
Appliance installation must guarantee easy access to clean the appliance, the exhaust ducts and the chimney.

Installation example

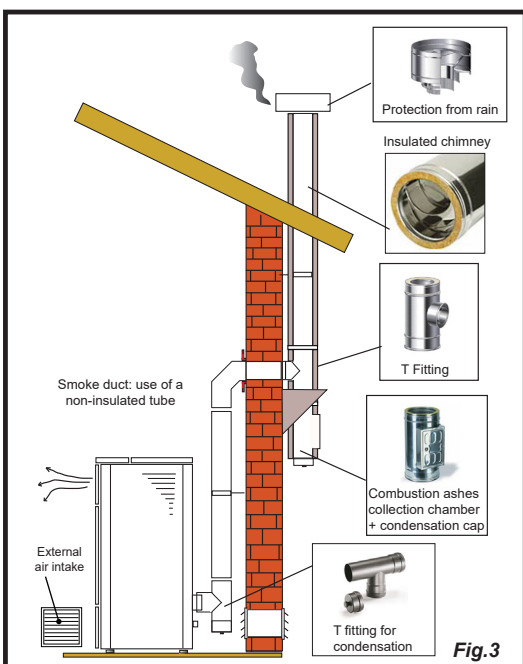


This type of installation (See Fig.1) requires an insulated chimney pot, even if the entire conduit is installed inside the building. Besides, the structure must be inserted into a properly ventilated skylight shaft.

In the lower part of the chimney pot there is an inspection cover, properly isolated from wind and rain.

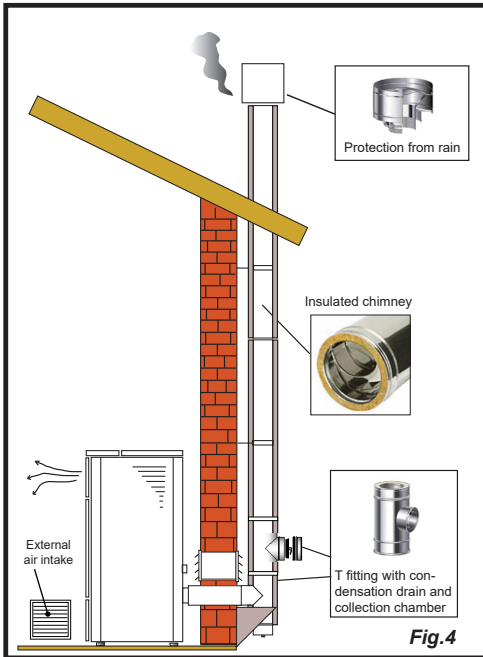


It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig. 2)



It is possible to use an existing chimney or a shaft via ducting. For this type of installation the standards on ducted smoke evacuation systems must be complied with. In the lower part of the chimney pot, inside the home, there is a "T" type fitting installed; externally there is another one installed, so that the outside section can be inspected.

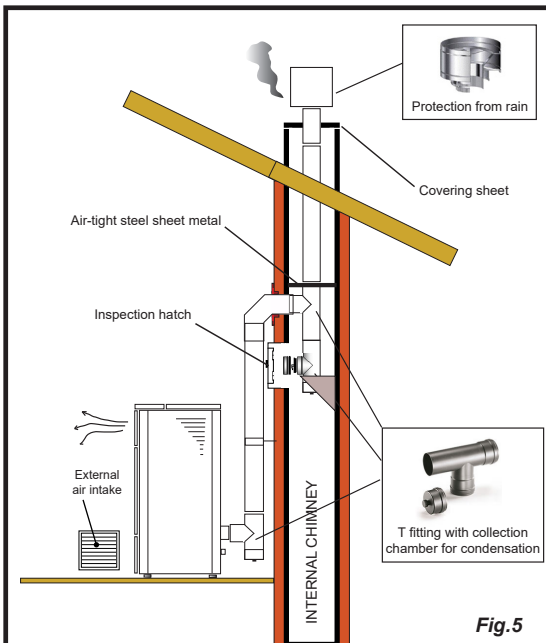
It is prohibited to install two 90° bend, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig. 2)



This type of installation (See Fig.4) requires an insulated chimney pot, even if the entire smoke conduit is installed outside the building.

In the lower part of the chimney there is a "T" type fitting installed with inspection cap.

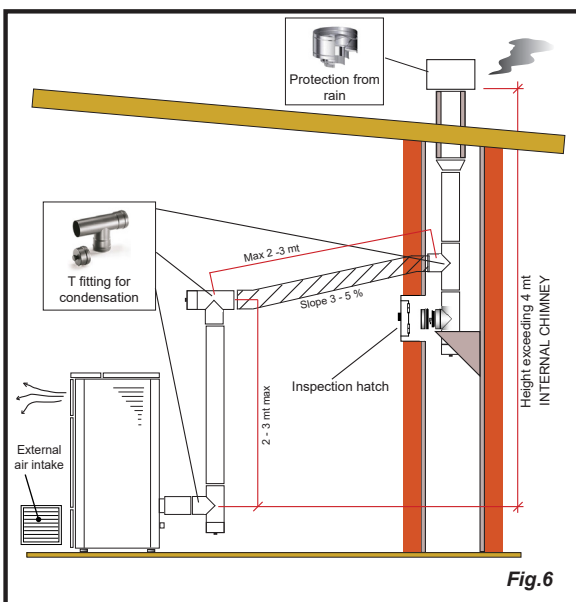
It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig.2)



This type of installation (See Fig.5) requires an insulated chimney pot, since the entire smoke conduit is installed inside the building, and the part is located inside a pre-existing chimney pot.

In the lower part of the appliance there is a "T" type fitting installed with inspection cap just like for the chimney pot.

It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig.2)



This type of installation (See Fig.6) requires a horizontal section to connect to a pre-existing chimney pot.

Respect the slope indicated in figure, in order to reduce the ashes depositing in the horizontal tube. In the lower part of the chimney pot, there is a "T" type fitting installed with inspection cap, in the same way as the chimney pot opening.

It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig.2)

CONNECTIONS



The connections must be set up by a technician that is qualified and/or authorised by the Manufacturer.



By the installer the type of cable, with relative section, to be installed in case of replacement is: H05RR-F sez.3G0,75

Connection with external air intake

To make the connection with an external air intake, proceed as follows:

Step	Action
1	Connect a 50 mm diameter pipe to the combustion air inlet pipe at the back of the stove. Note: the pipe must be no more than 2 m in length.



The air vent must be installed in such a way that it can not be blocked.

Chimney connection



The chimney must be sized so as to guarantee the draught declared by the Manufacturer.

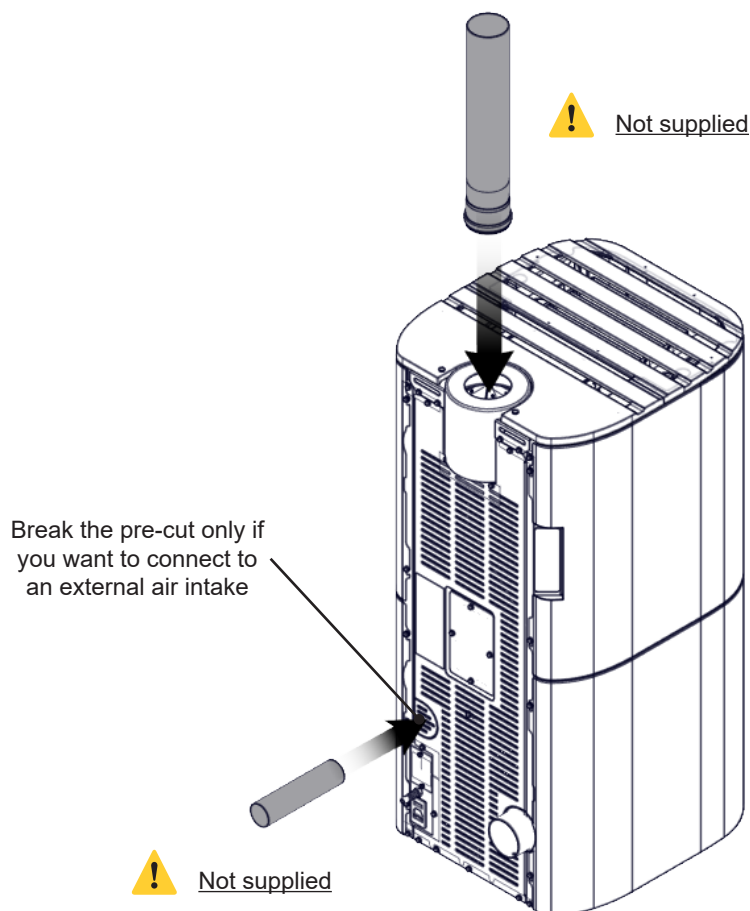


The stove must be connected to a single flue. It is forbidden to connect the stove to a flue shared with other combustion appliances or with hood exhausts.



The flue must be inspectable for cleaning.

Standard installation



Electrical connection

The plug of the stove's power cable must only be connected after the installation and assembly has been completed of the appliance, and must remain accessible after installation.

To make the electrical connection, proceed as described below:

First connect the power cable to the plug on the back of the stove and then to a wall socket.

Supply power to the stove by turning the switch to position (I).



When the stove is not in use, it is advisable to disconnect the power cable.



Take care that the power cord (and any other cables outside the equipment) do not come into contact with hot surfaces.



Ensure that the electrical system is grounded.



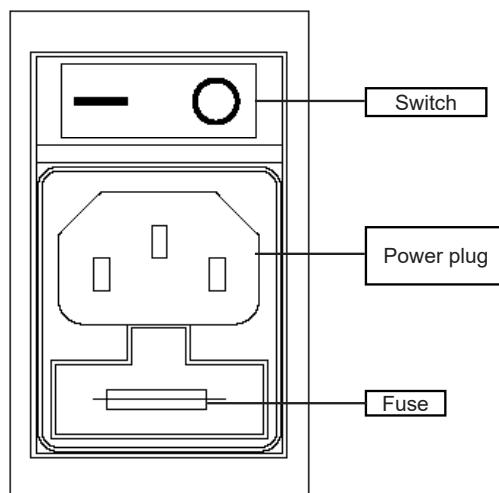
For direct connection to the mains, it is necessary to provide a device that ensures disconnection from the mains, with a contact opening distance that allows complete disconnection under the conditions of overvoltage category III, in accordance with installation rules



If the power supply cable is damaged, it must be replaced by the manufacturer or its technical assistance service or in any case by a person with similar qualifications, so as to prevent any risk.



It is recommended that authorized personnel pay special attention to the electrical connections after any work on the product.



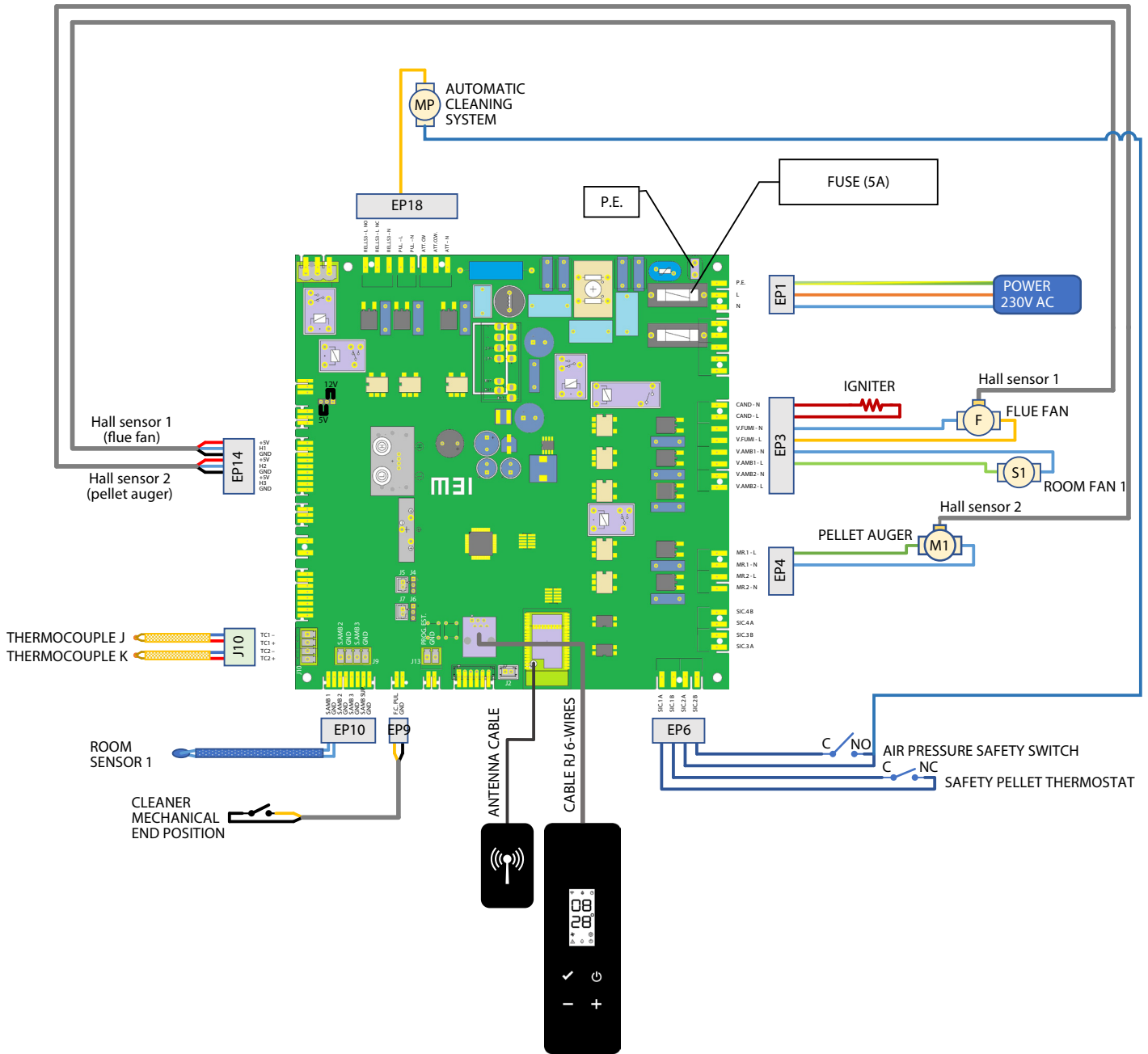
Testing and commissioning

Stove start-up must be preceded by testing, which includes an operational check of the following elements:

- connection to the smoke evacuation system;
- electrical connections;
- operation of any connected external probes;
- checking that all materials used to build the smoke duct, chimney and chimney pot are regulation and suitable for use.

The testing is positive only when all operational phases have been completed without any anomaly being detected.

Connection diagram Hoop 7 Steel - Hoop 9 Steel



PRELIMINARY PROCEDURES

Pellet loading

The first operation to do before turning on the product is to fill the fuel hopper (pellet) preferably using a special pan. Do not empty the bag directly into the hopper to avoid loading in sawdust or other foreign elements that could prevent the appliance from working properly and to avoid spilling pellets outside of the hopper.



Be sure to close the hopper lid well after having loaded in the pellets.

Checks prior to switching on



You have read and perfectly understood the contents of this instructions manual.

Before lighting the stove, you must ensure that:

- the pellet tank is full;
- the combustion chamber is clean;
- the fire door seal and ash drawer are working correctly;
- the electric plug is connected correctly;
- every element that could burn has been removed (instructions, various stickers);
- If the fire pot is removable, make sure it is positioned correctly in place.





If the flue pipe catches fire you must call the fire brigade immediately.

Electrical power supply

Connect the appliance to the power mains, turn on the power switch at the back of the appliance by placing it on (I).

Download and install the application

The stove needs an application to be downloaded from Play Store or App Store in order to work. To download it, the name of the app is ApiFire User, otherwise scan one of the two QR codes based on what operating system you have.

Android	Ios
	

Once the application has been downloaded and installed, proceed as follows.
Accept the suggested conditions while using the App.

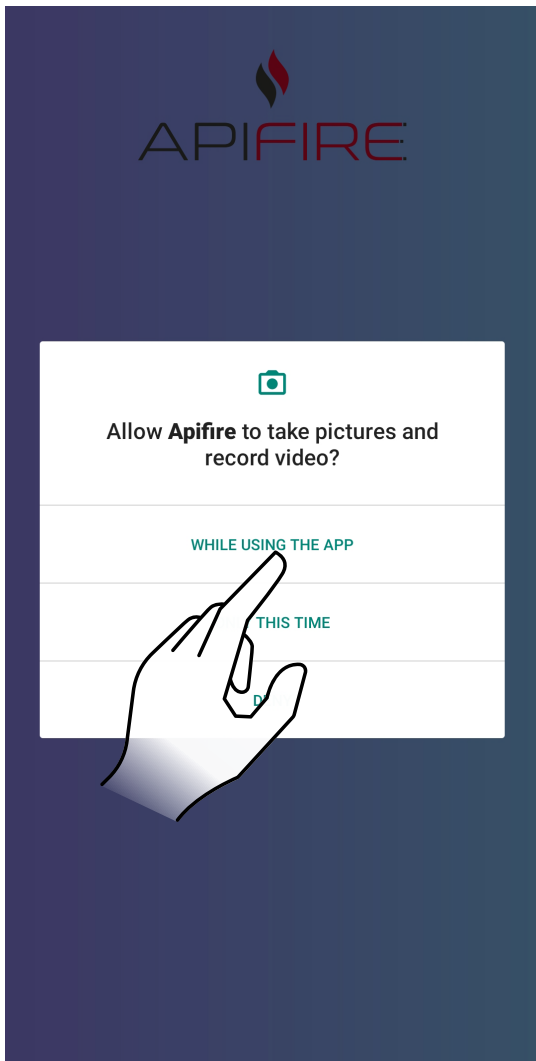


Fig. 1

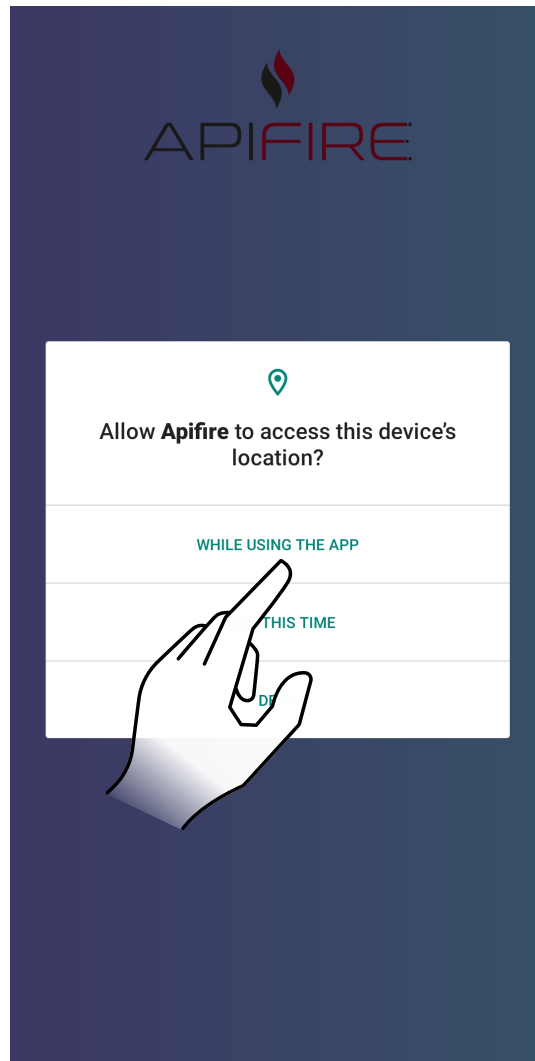


Fig. 2

Creating an account

To create a new account, if you do not already have one, select “I don't have an account”

Then:

- enter an Email address;
- confirm the Email address entered in the first field;
- enter two identical passwords of at least 6 characters;
- click on the sign in button.

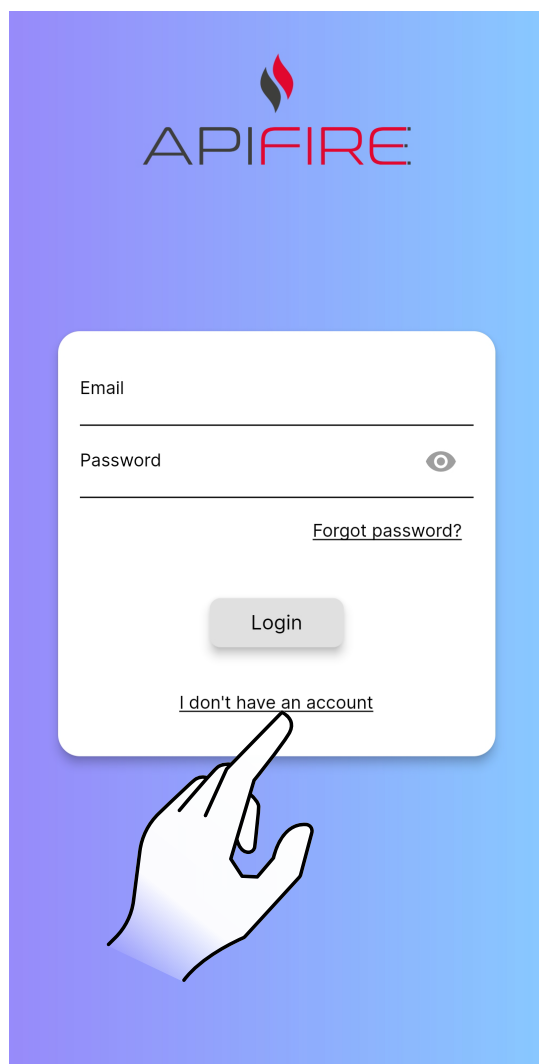


Fig. 3

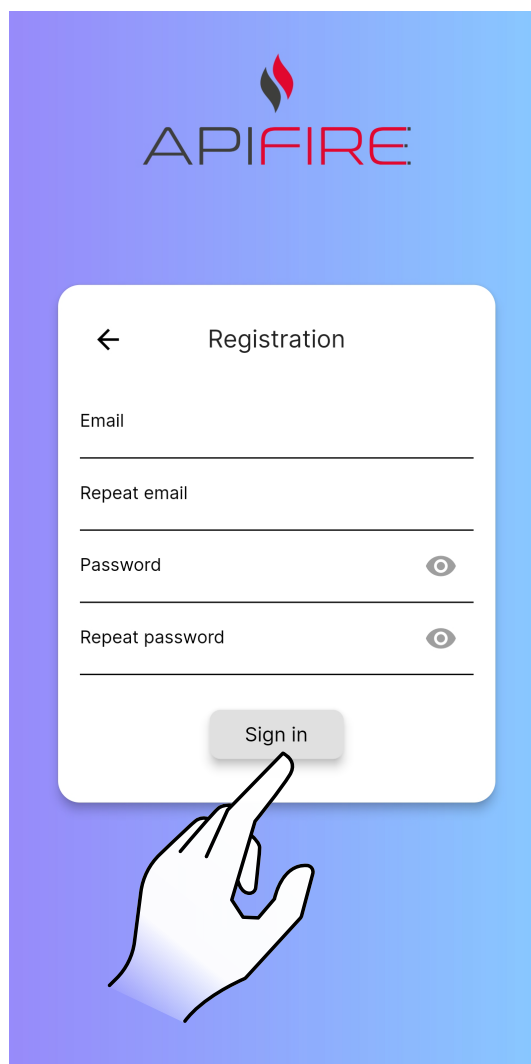


Fig. 4

If you already have an account, enter your credentials and start using the app.



It is advisable to use the same account to connect multiple users, in the same family, to the same stove.

You will receive an email to complete the registration.

Open the email you received and select "Verify Mail" (Fig. 6).

A screen will open in which you will need to confirm your email again (Fig 7).

By selecting "Submit" (Fig. 8) you will receive an additional email; open it and select "Verify Mail" (Fig.9), which will redirect to the verification confirmation page (Fig. 10).

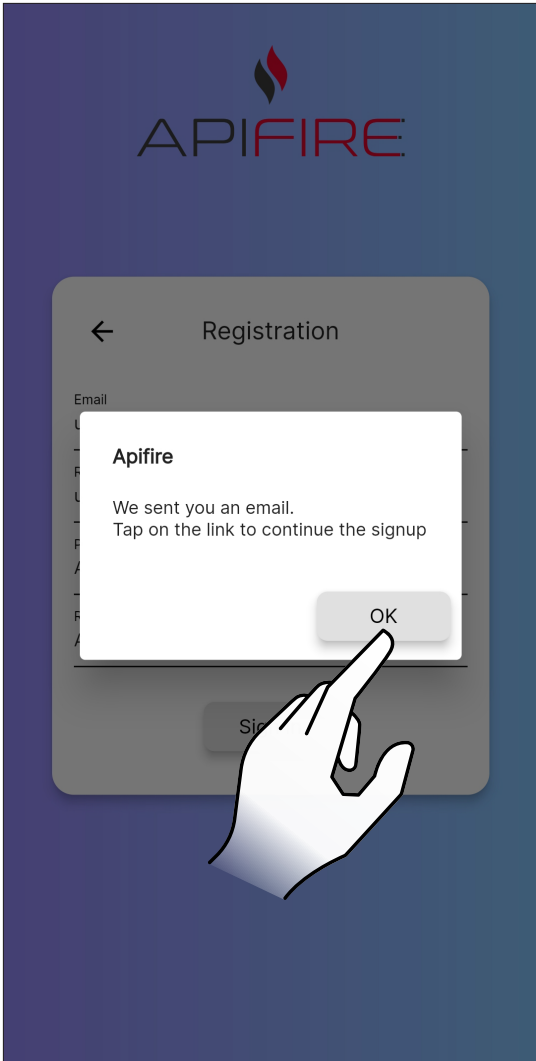


Fig. 5

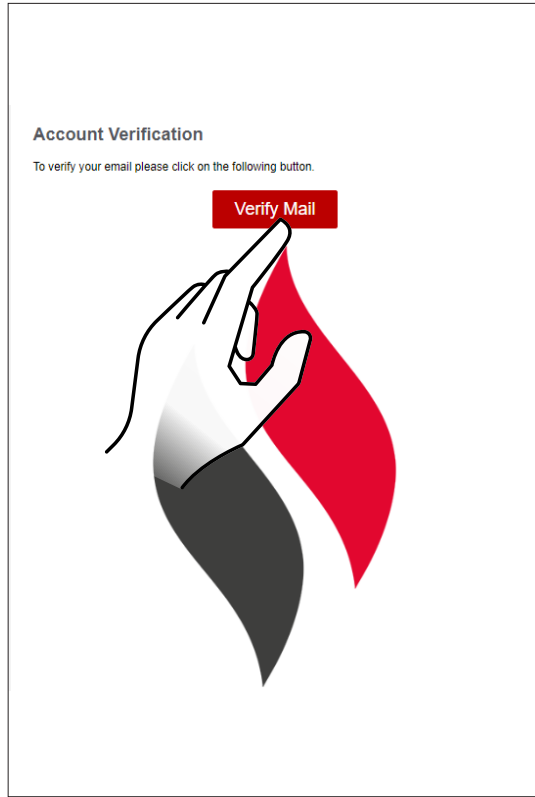


Fig. 6

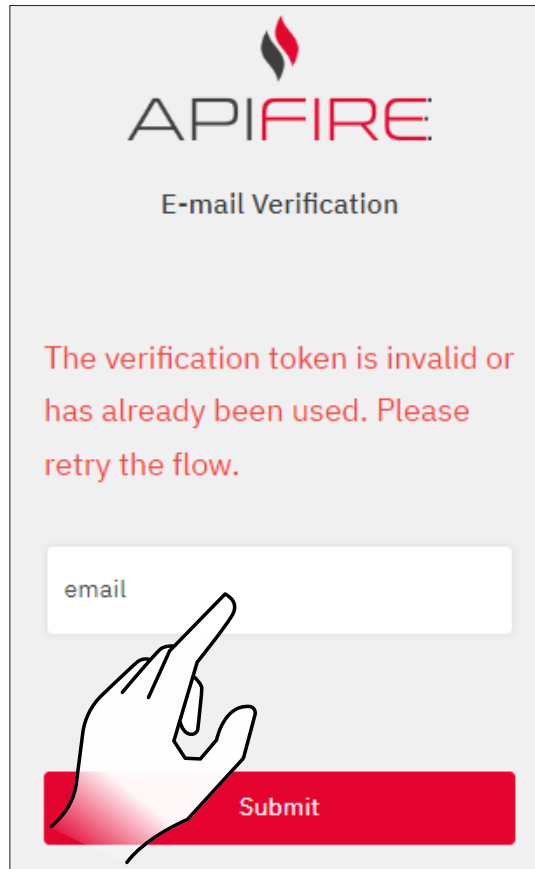


Fig. 7

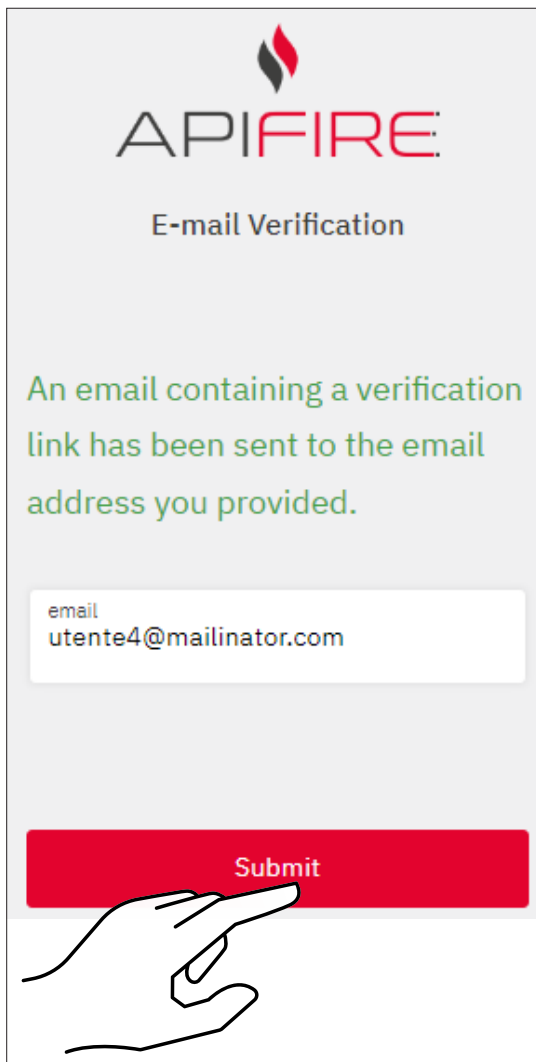


Fig. 8

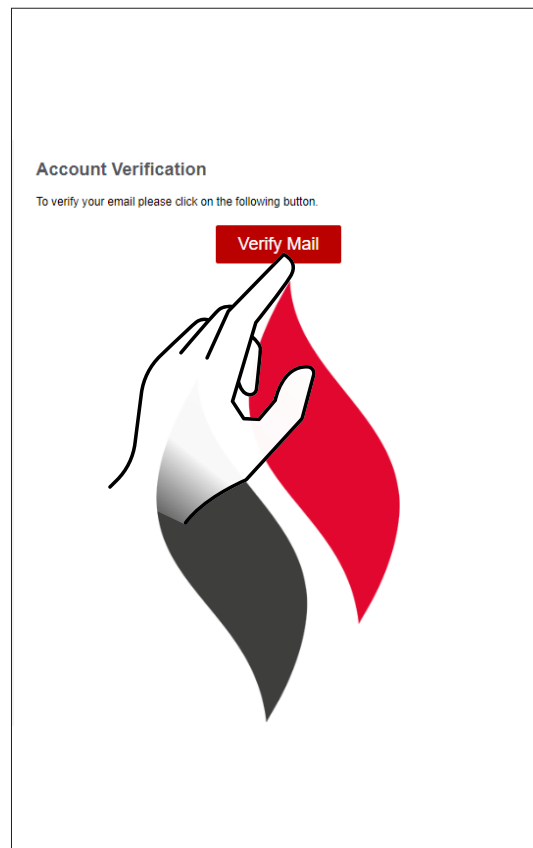


Fig. 9

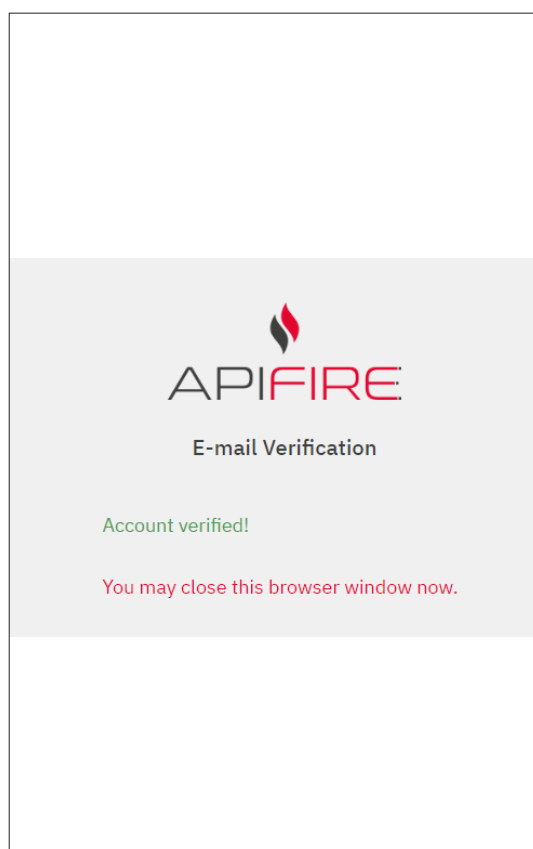


Fig. 10

Password recovery

If you already have an account but do not remember your password, select “Forgot password?” and enter the email associated to the account that you wish to recover the password for.

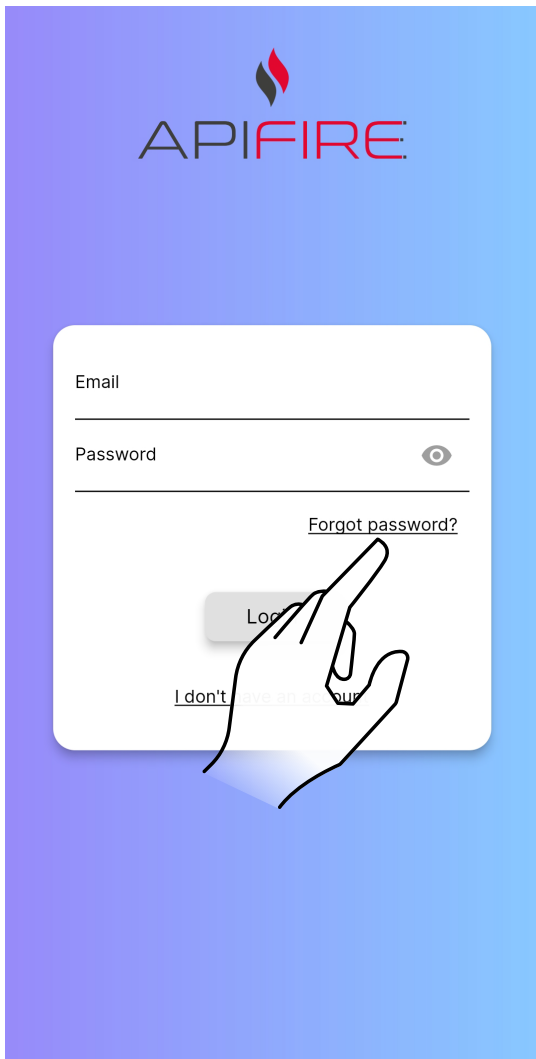


Fig. 11

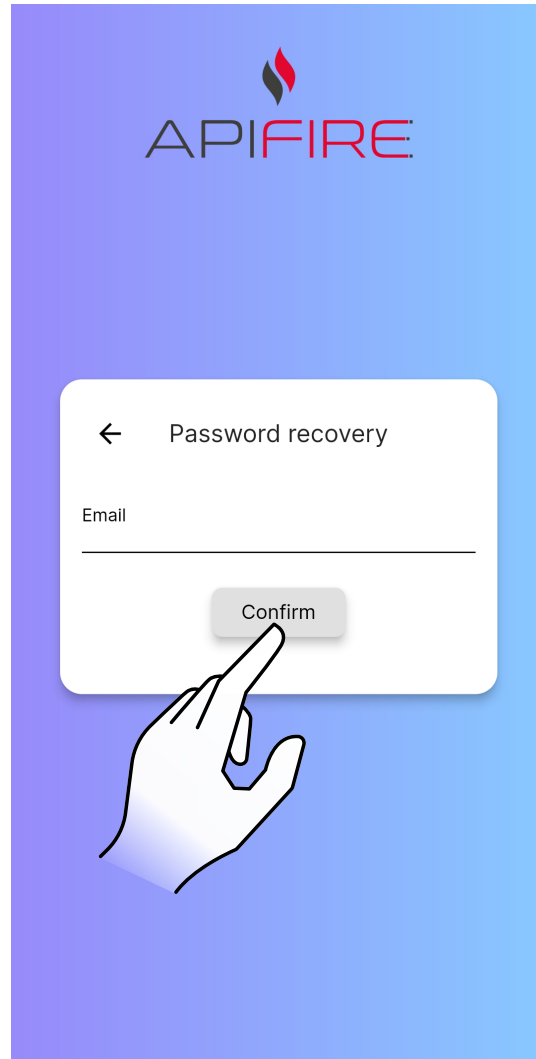


Fig. 12

You will get a new Email, to create a new password.
By selecting “Set Password” a configuration page will open to create a new password on the Web App.
Fill in the compulsory fields.

Set Account Password

Someone has registered this email for an account in the Apifire platform. Please set the account password by clicking the following button.



Fig. 13

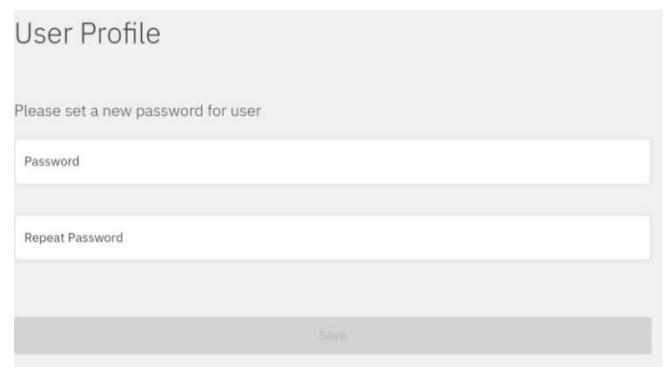


Fig. 14



Be sure to correctly enter the Email for recovery.



if you do not get the Email, check whether it has been sent to the “spam” / “junk” list.

Conditions of use

The next step to create an account is to accept the conditions of use.

The two essential conditions to use the app are presented in underlined characters.

The other conditions are completely optional.

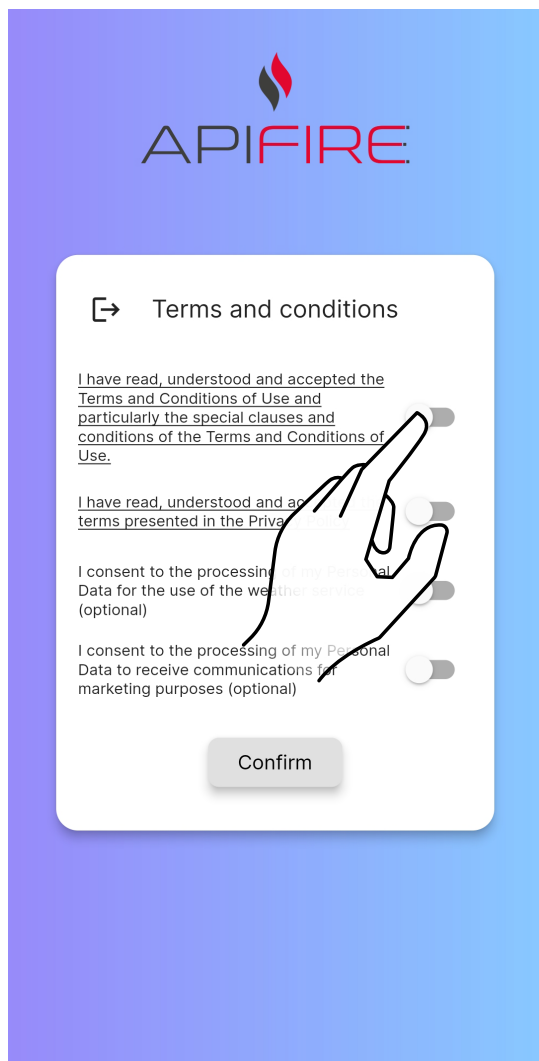


Fig. 15

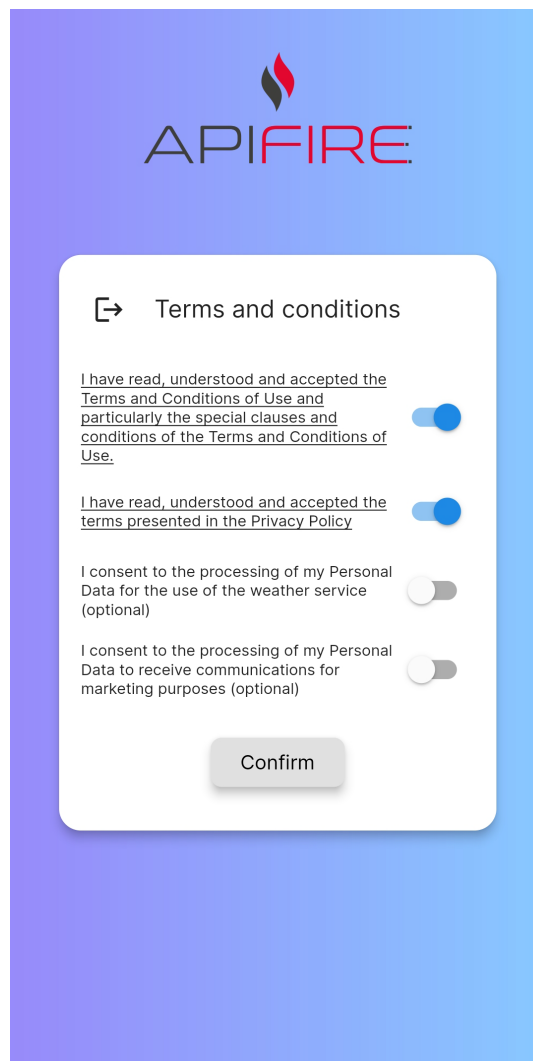


Fig. 16



If there are issues with accepting the terms and condition, contact support@apifire.it with subject line “unable to confirm terms and conditions of use”.

Connecting a stove

Once you have accepted the terms and conditions of use, proceed with choosing the correct option based on whether

- you wish to associate the application to a NEW STOVE;
- you wish to associate the application to a STOVE ALREADY IN OPERATION.

Connecting a new stove

With this procedure you will define the “owner account”, the only one that can grant access to other users to use the stove in question.

Select “Do you have a new stove and want to put it into operation?”

Allow use of the camera while you are using the app.

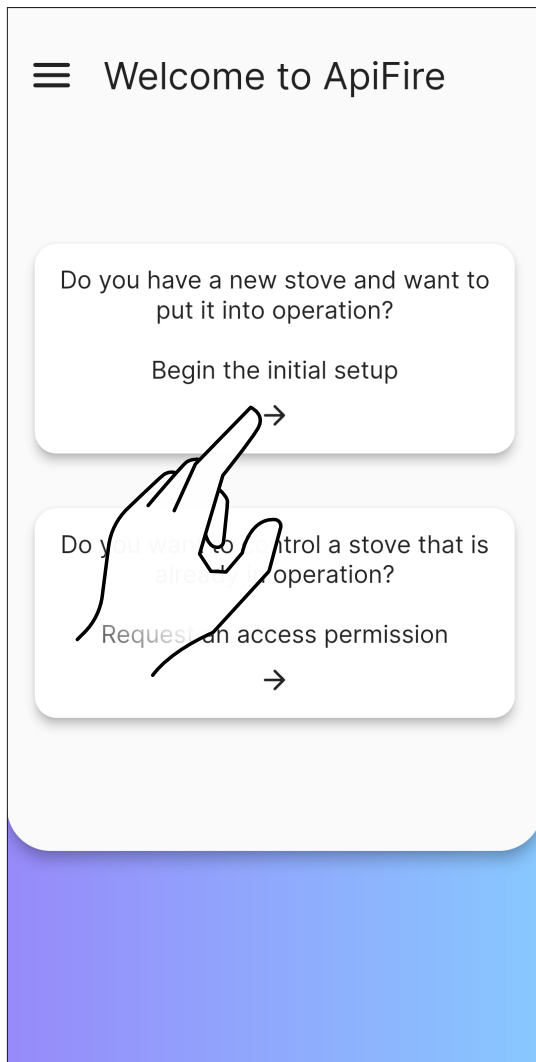


Fig. 17

Scan the QR code located either on the back of the body of the stove or on the check sheet, in the bubble-wrap bag contained inside the hopper. Alternatively, enter the 16-character code manually - in the example provided here, the stove code is 2044000107157716.



Fig. 18

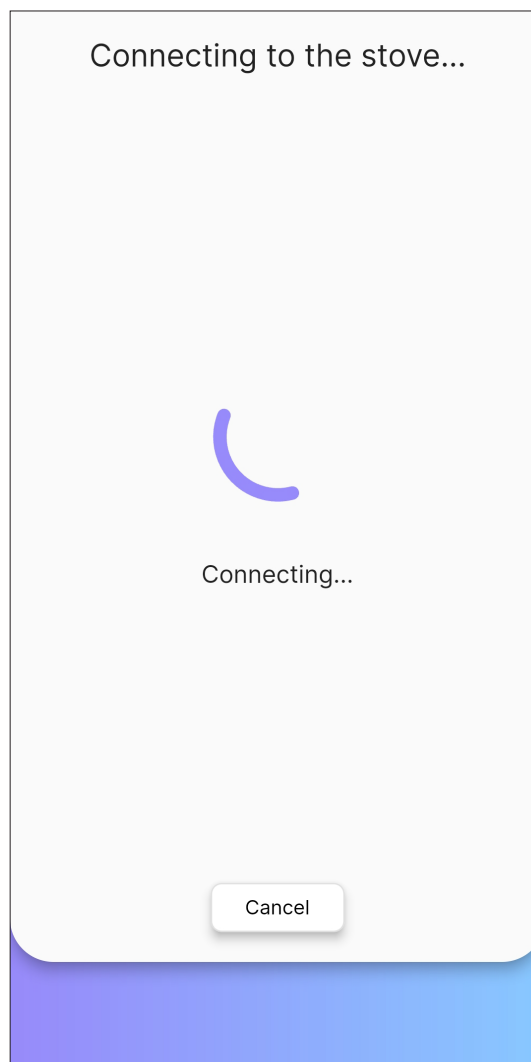


Fig. 19

Manually enter the stove label (Fig. 20) or choose a name from the suggestions (Fig. 21).

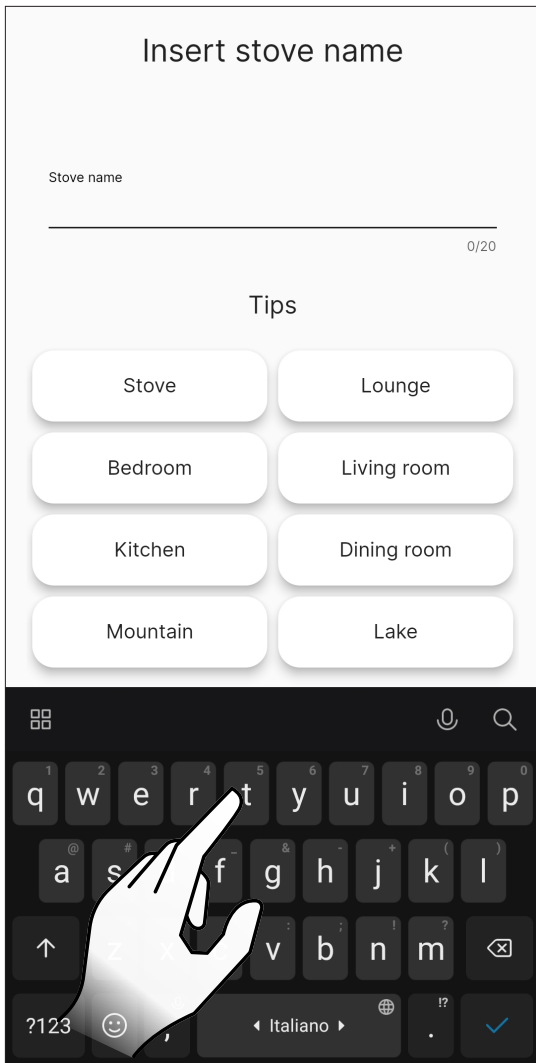


Fig. 20

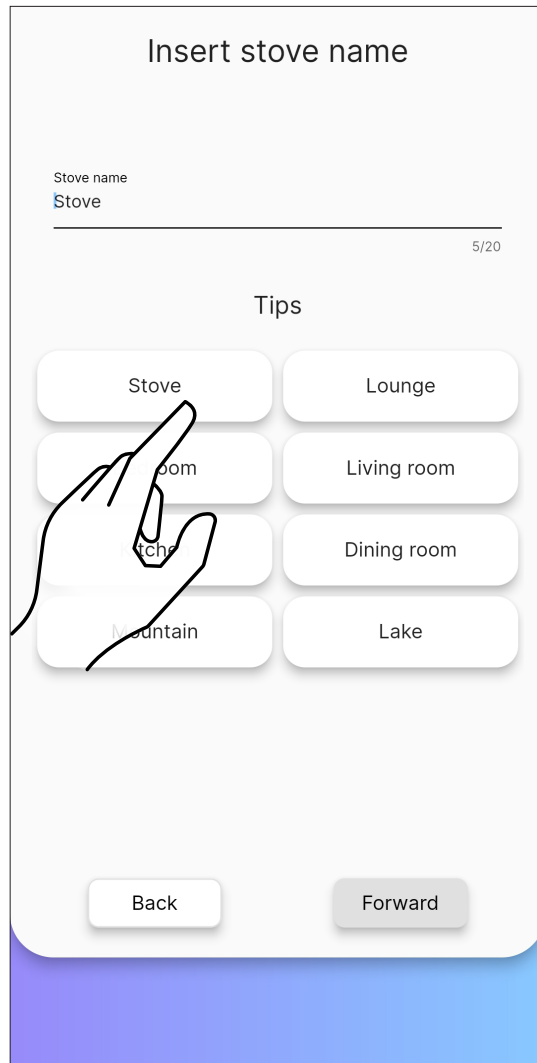


Fig. 21

Select the Wi-Fi network and enter the password.
Then choose the stove installation profile.

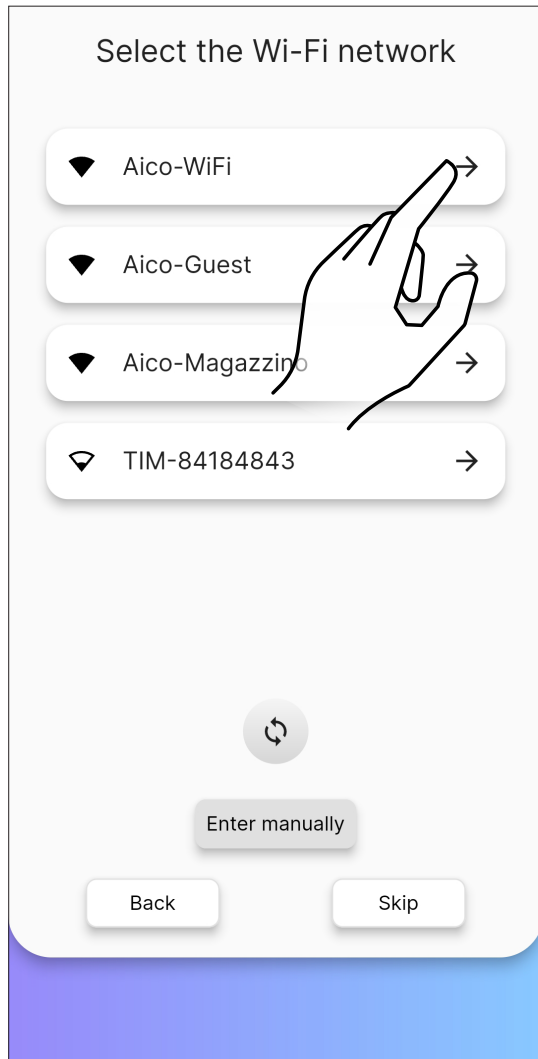


Fig. 22

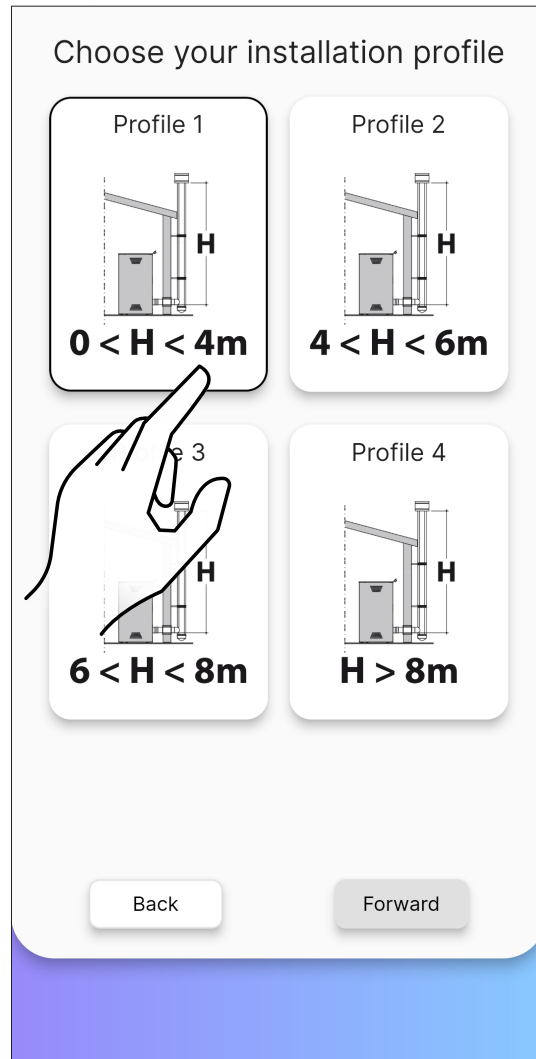


Fig. 23

! Before preloading the auger, be sure you have filled the pellet hopper and check that the auger is not already full. During preloading do not open the stove door.

After filling the stove hopper, start auger preloading.
This operation can be skipped by clicking on "Forward".

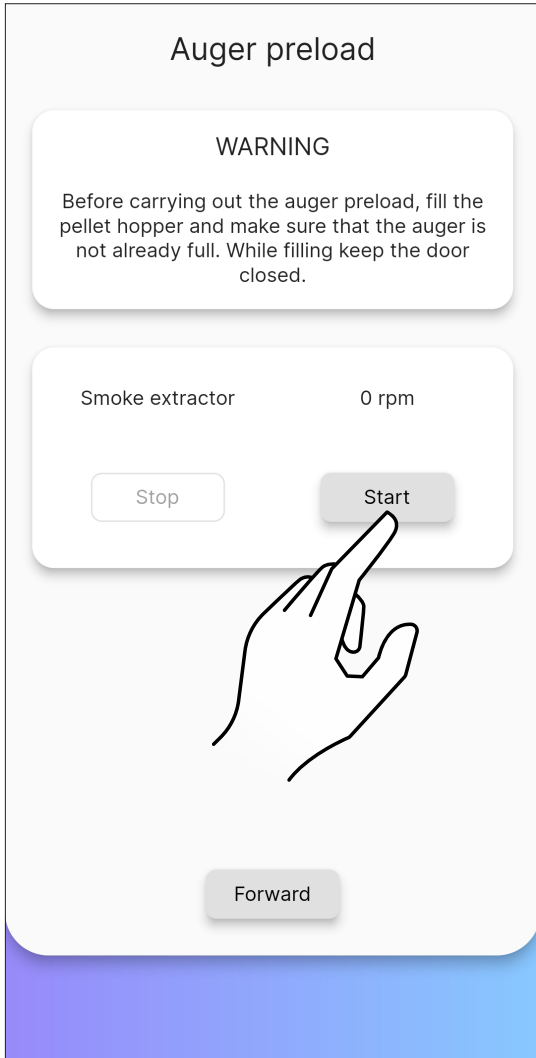


Fig. 24

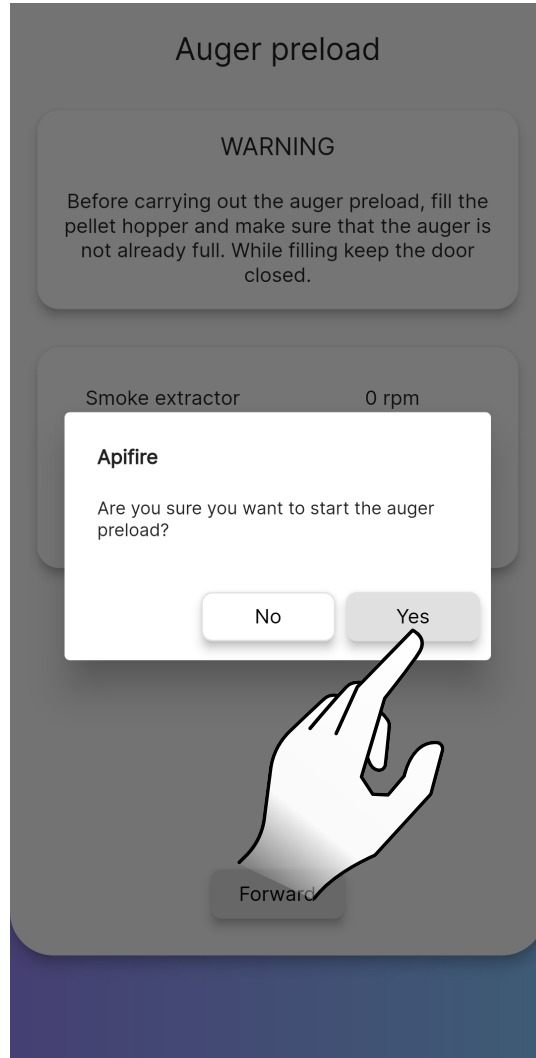


Fig. 25

Connection error with new stove

If this message appears “This stove is already setup. Do you want to request an access permission?” (Fig. 26), check:

- that the stove has not already been configured with a different account. If the account in use is the only one that has been configured thus far for the system, contact assistance through Email support@apifire.it with subject line “Stove already configured”;
- that you have scanned the QR code correctly. Check that ApiFire allows use of the camera, if it has not been allowed the scan will appear completely black; therefore, edit the settings as shown in Fig. 1 and 2, or manually enter the 16-digit code;
- that you have correctly entered the 16-digit stove code;
- that the stove is visible among the Bluetooth devices detected by the smart device in use.



The smart device and the stove are NOT PAIRED from the phone settings, but ONLY from the specific ApiFire procedure.

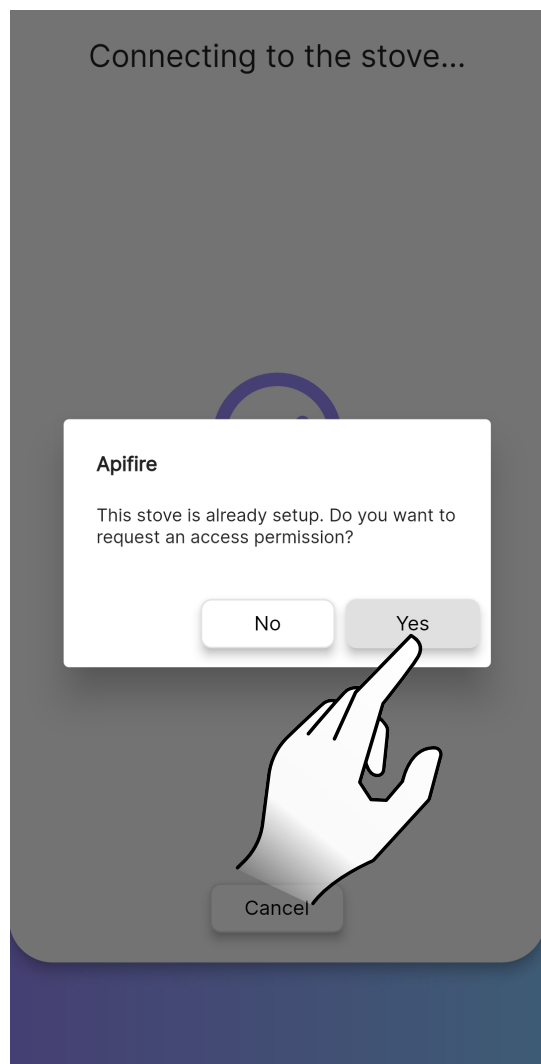


Fig. 26

If all of the previous steps have been carried out correctly, but it is still not possible to connect the app to the stove, try:

- closing the app and opening it again;
- turning the stove off and back on again

Connection with an already configured stove

ONLY use this option if an “owner account” has already been defined (see previous paragraph “Connecting a new stove”). One can ask the “owner” for access for editing or read-only on a previously configured stove.

Proceed as follows:

- access with the new account being connected
- select “Do you want to control a stove that is already in operation?” (Fig. 27)
- on the “Access manager” screen, click on “Request new access” (Fig. 28)

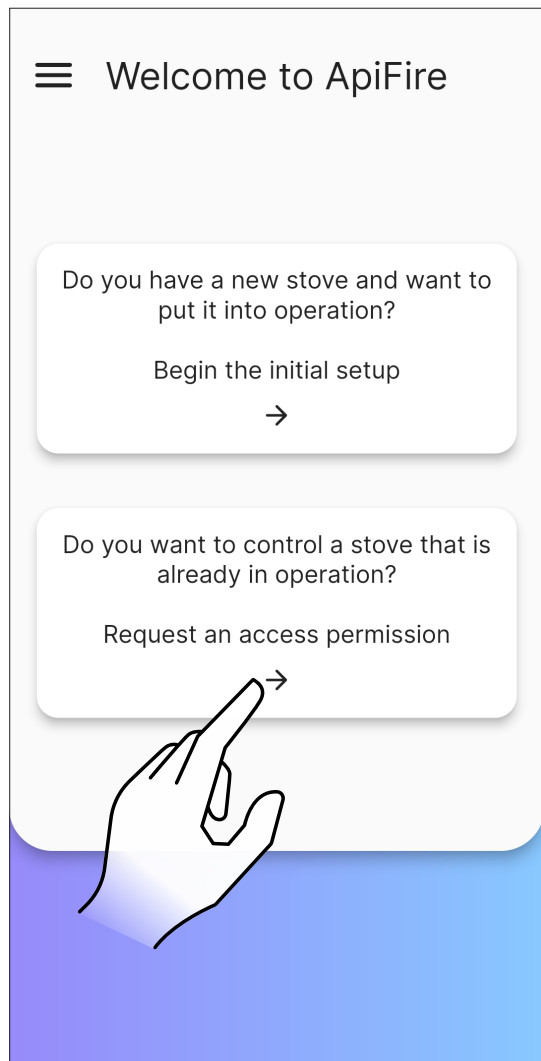


Fig. 27

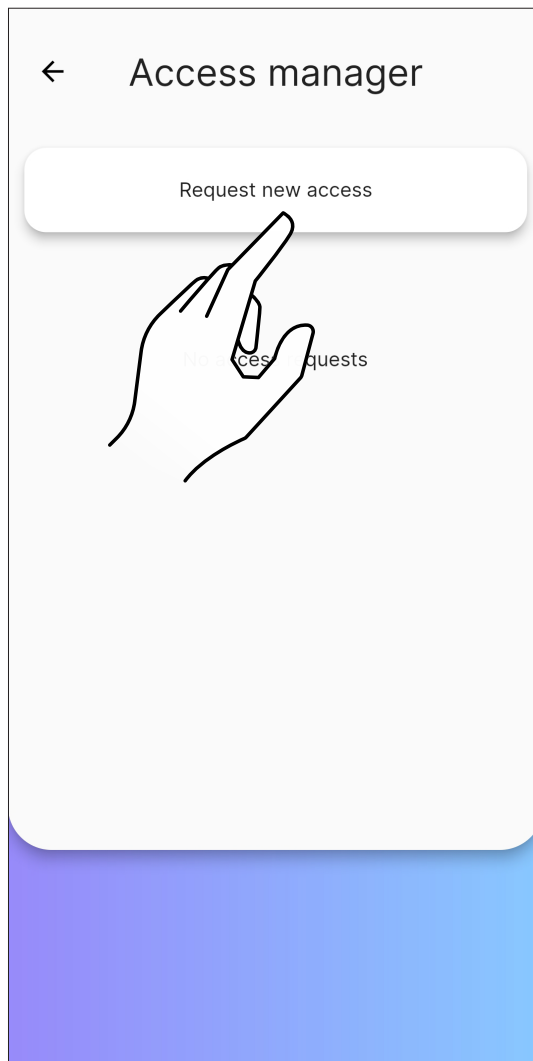


Fig. 28

- a dialog box will open (Fig. 29)
- in "Serial code" enter the stove code manually (all 16 characters, no spaces)
- in "Message" it is not compulsory to enter anything
- in "Permission" (Fig. 30) select:
 1. EDIT to change the stove parameters (for example, change the Room Temperature Set)
 2. READ ONLY to VIEW the Stove status (and accordingly not edit the parameters)

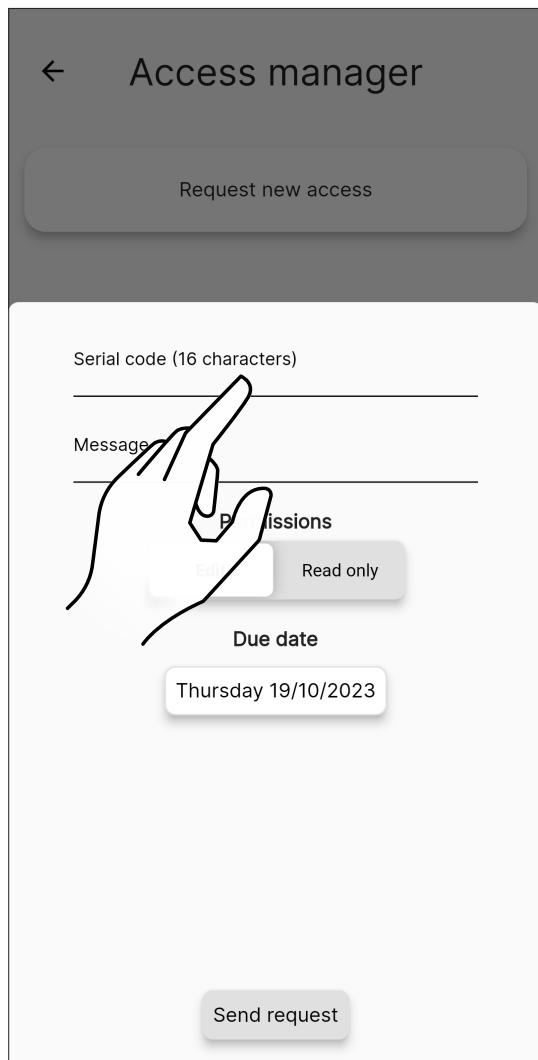


Fig. 29

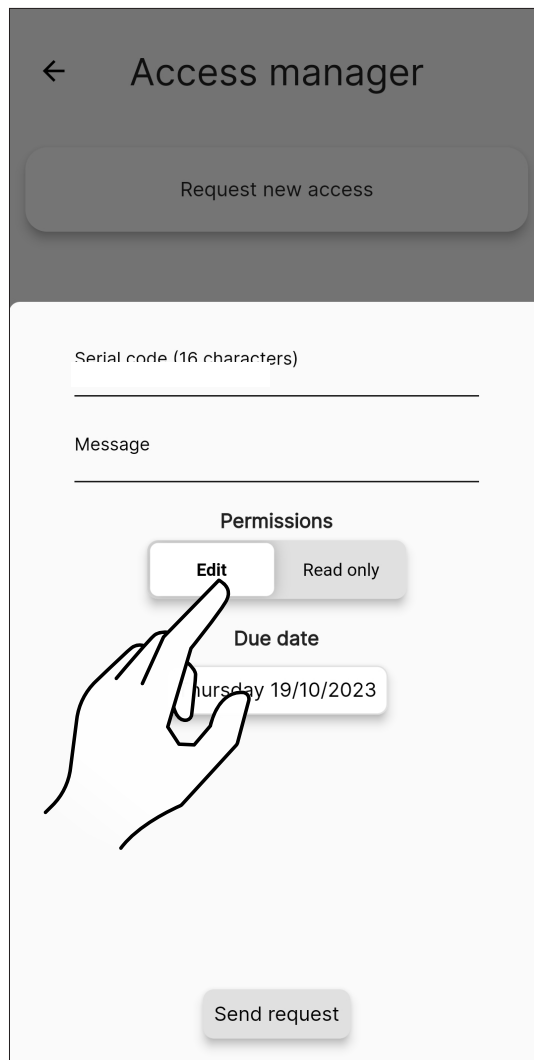


Fig. 30

- select “Due date” to decide for how much time you wish to control the stove (Fig. 31)
- Confirm with “Send request” (Fig. 32)
- The request (if entered correctly) will appear as “pending confirmation”

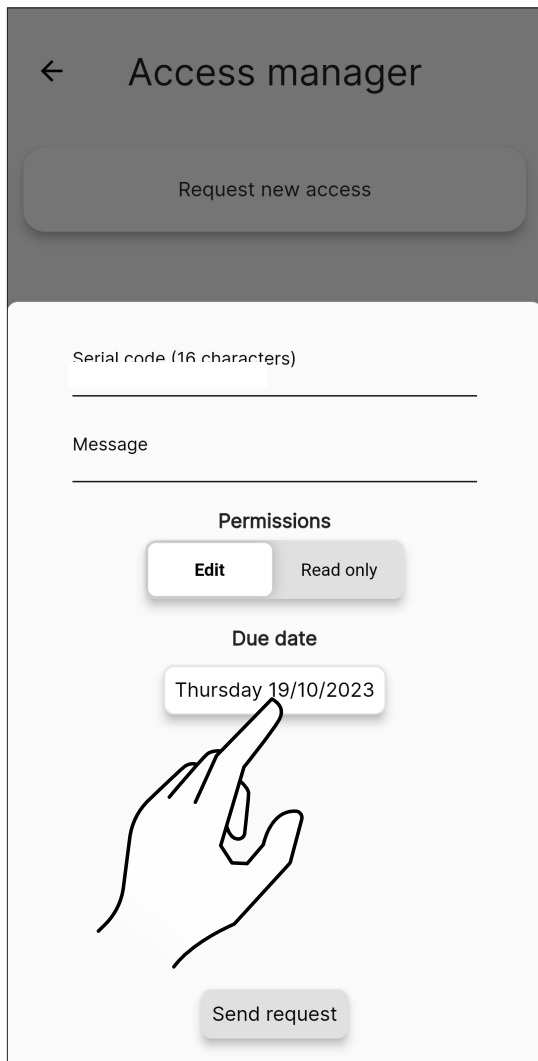


Fig. 31

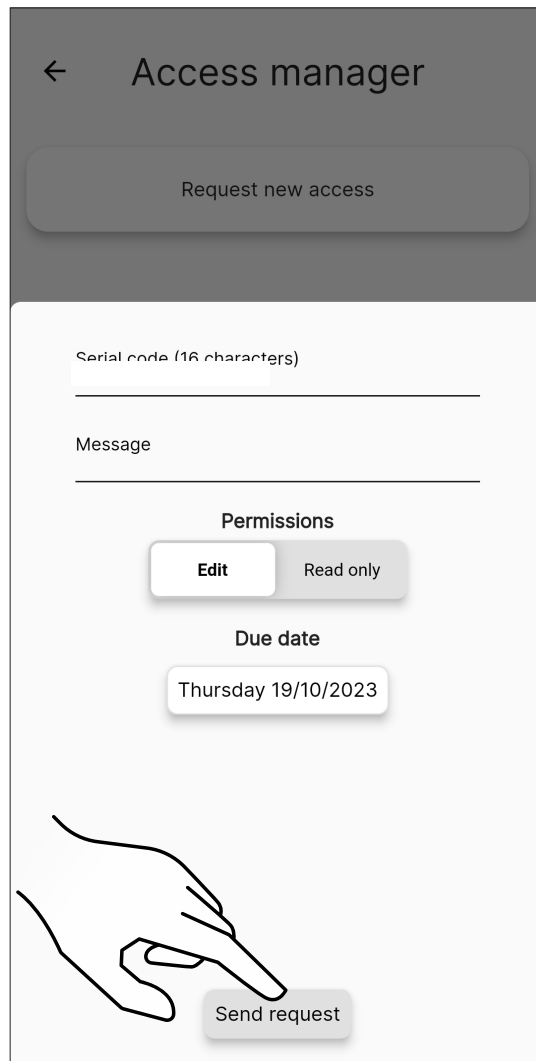


Fig. 32

After filling in the request, it will be displayed from the stove's "owner" account:

- in the "owner" account, on the "Remote control" page, the "You have 1 request for access to the stove" notification will appear at the bottom;
- accept the request, if you wish to edit authorisations or enter a different access due date;
- once it has been accepted, the stove can be used from both accounts



Each access request can only be approved by the "owner" account associated to the stove.

- when the access request is accepted by the "owner" account, a notification will be sent to the new account pending confirmation (Fig. 35).

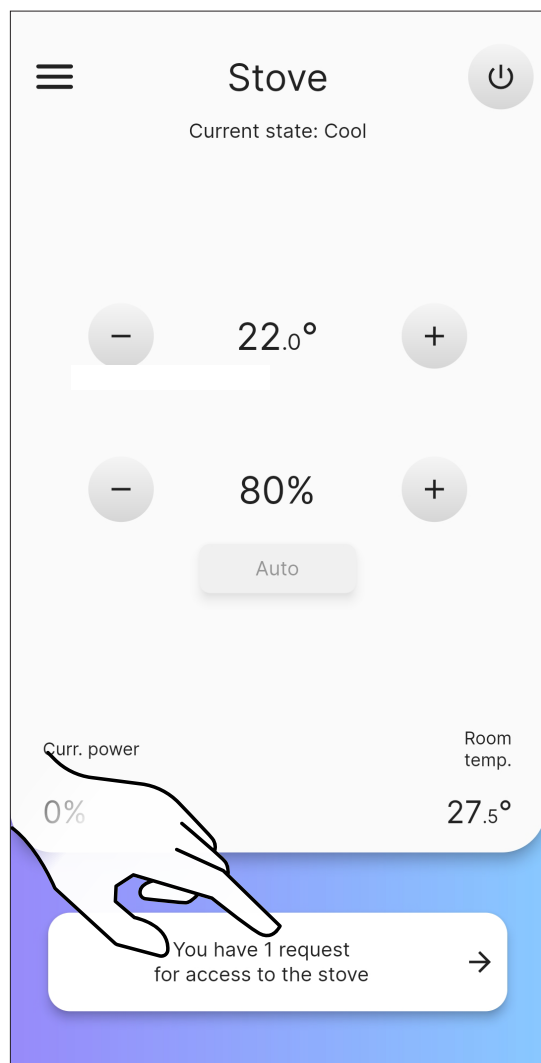


Fig. 33

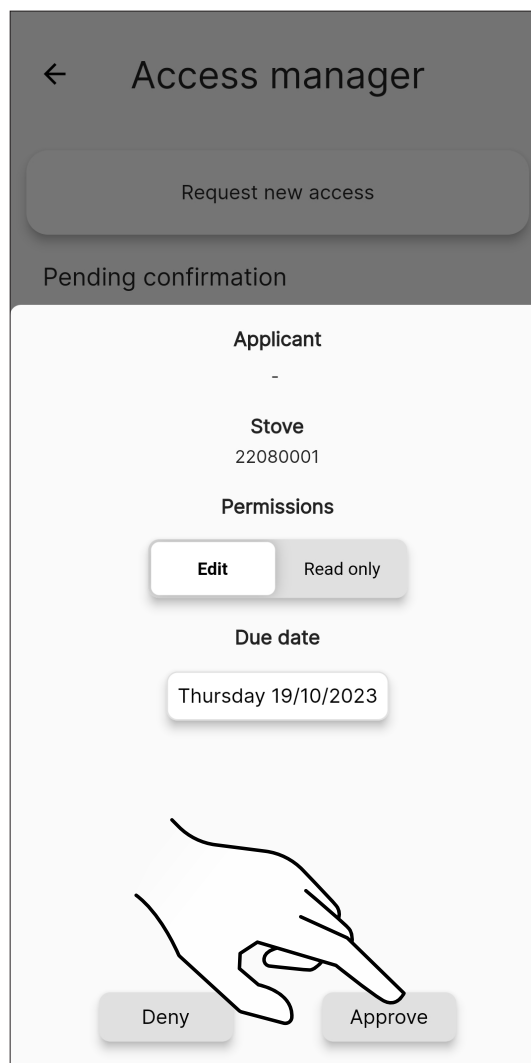


Fig. 34

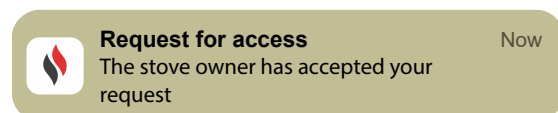


Fig. 35

Connection error with an already configured stove

If the "An error has occurred" message appears, check:

- that the stove's 16-digit code has been entered correctly;
- that the code of the selected stove effectively has an "owner".

REMOTE CONTROL OR HOME PAGE

Description

The remote control is composed of:

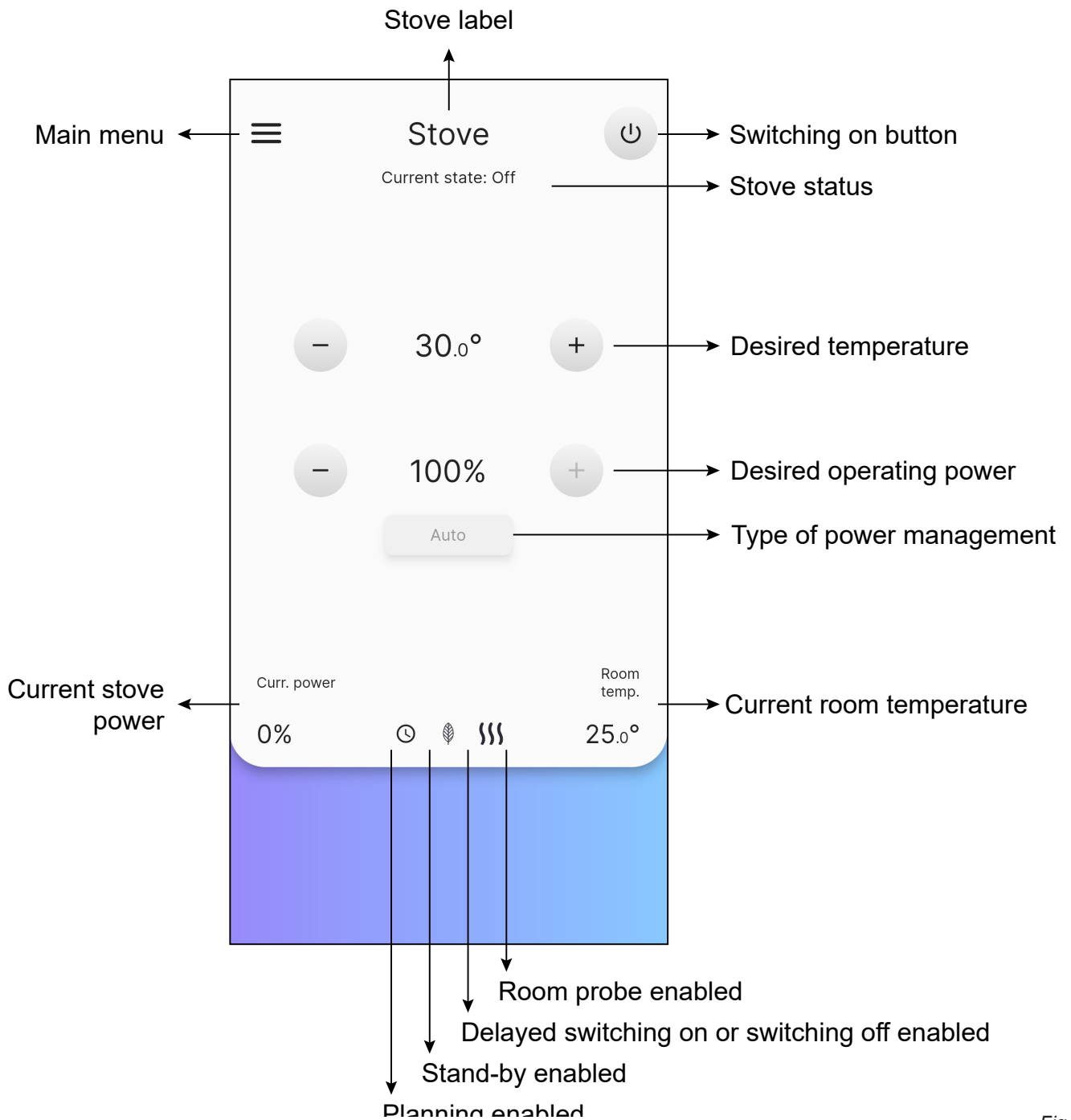


Fig. 36

Navigation tree

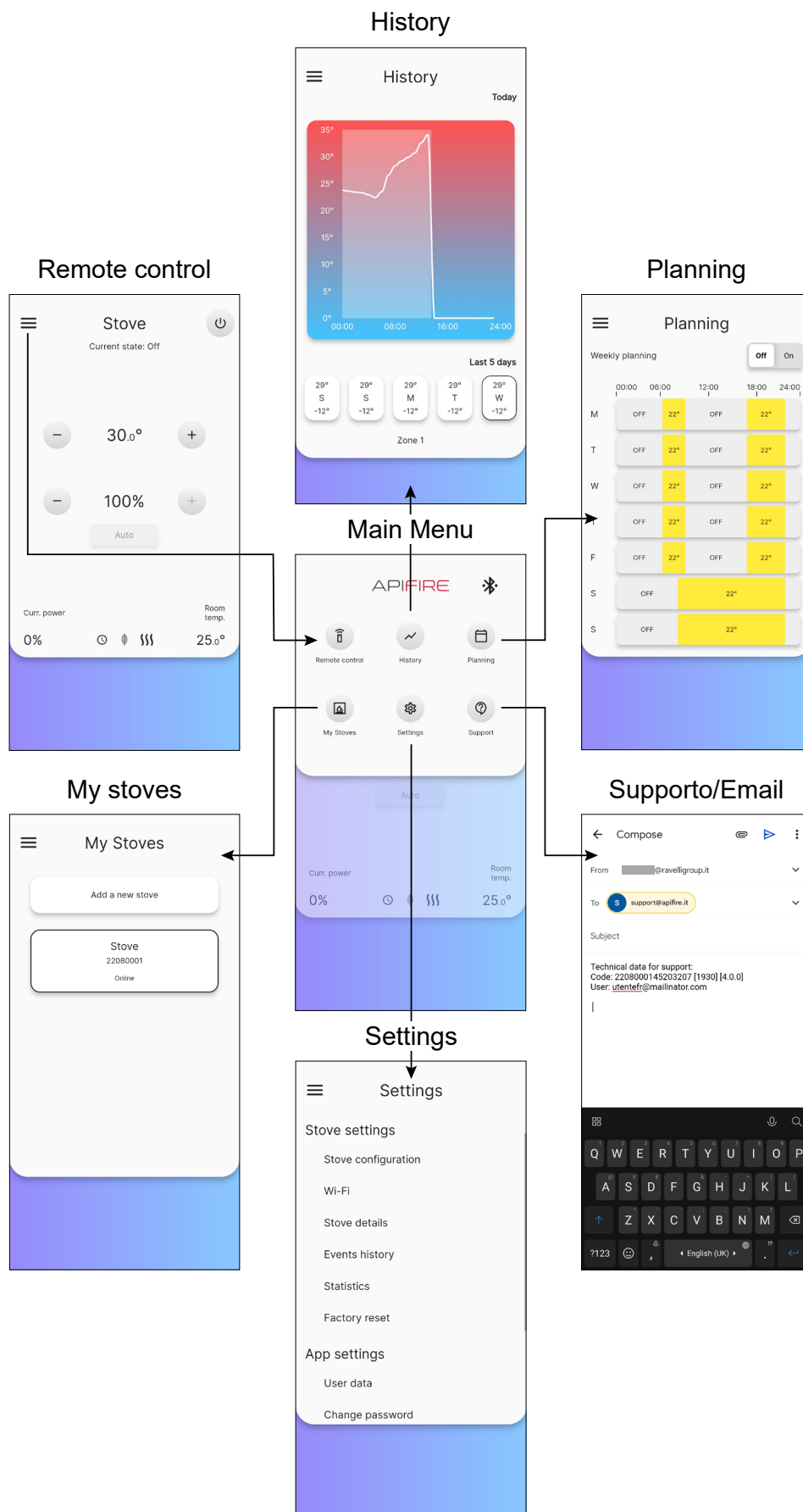




Fig. 37

“SETTINGS” MENU

Settings

From the remote control (or home page) press the icon  to access the main menu. Then press the  to access the “Settings” menu.

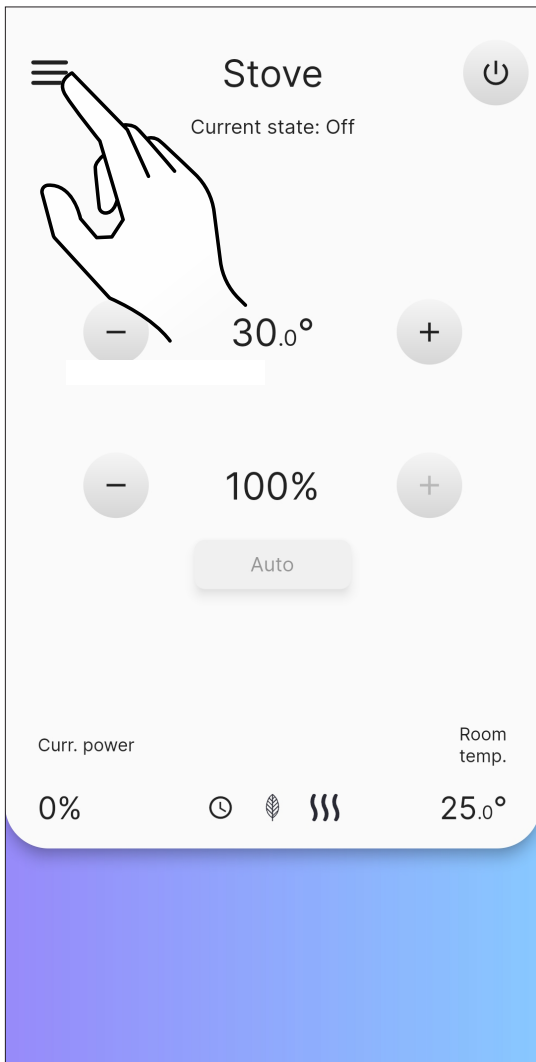


Fig. 38

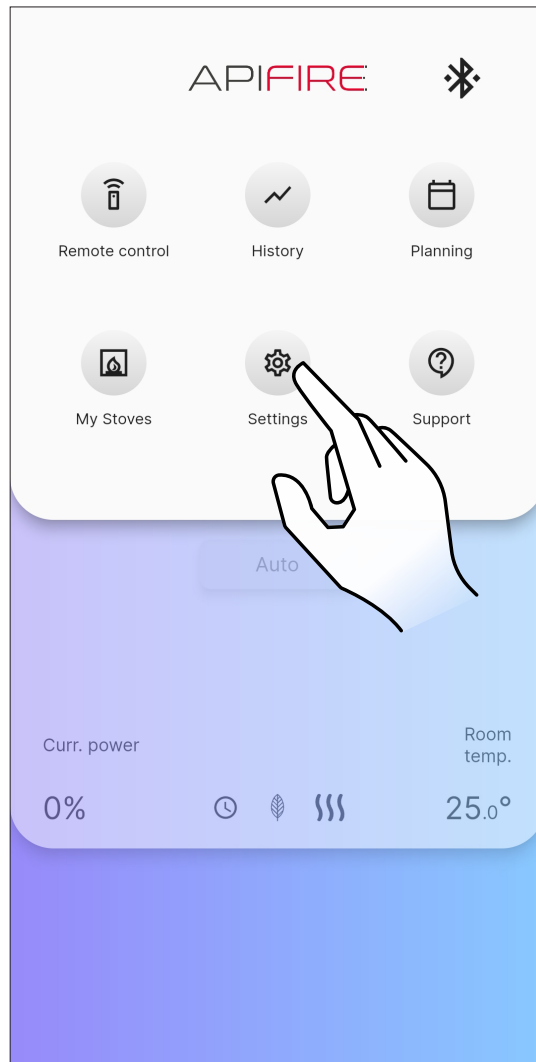



Fig. 39



This icon  is only visible when the stove is connected to Bluetooth.

Scroll the page to see the full list of possible settings.
Press the required item to open its editing or viewing screen.

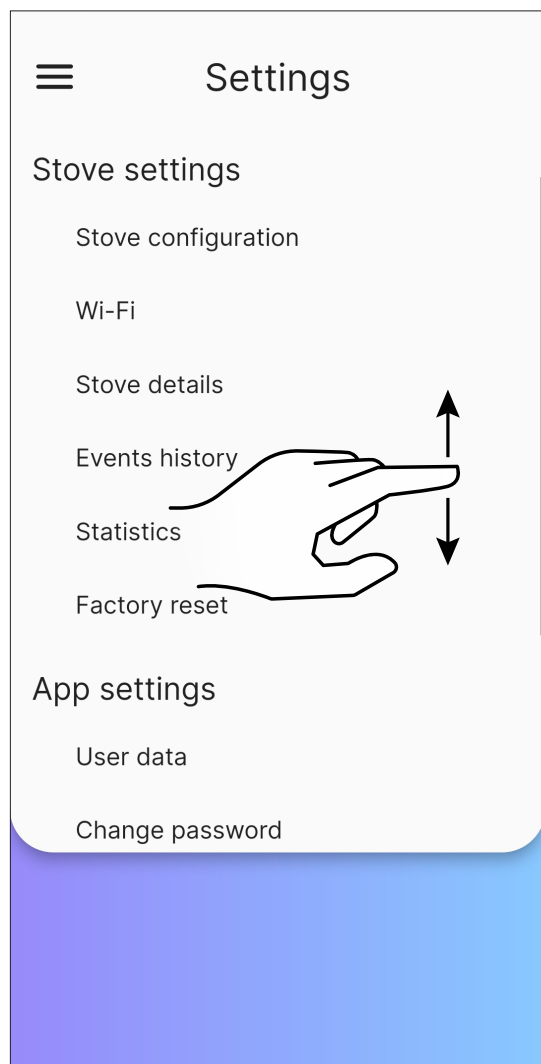


Fig. 40

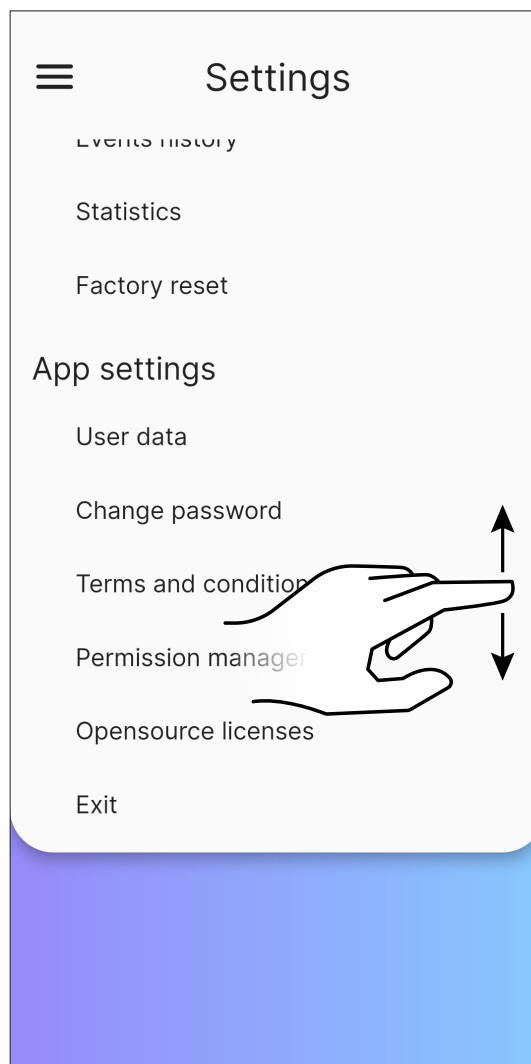


Fig. 41

Settings	Sub-menu	Description
Stove settings	Stove configuration	To edit some parameters
	Wi-Fi	To choose the Wi-Fi network to connect the appliance to
	Stove details	Information about the appliance
	Events history	Log of past events
	Statistics	Log of operating mode and times
	Factory reset	Allow recovery of factory data
App settings	User data	Information about the user
	Change password	To change the password
	Terms and conditions	To edit terms and conditions not accepted previously
	Permission manager	To accept the access of an external user or to request access to other appliances
	Opensource licenses	Description of the licenses used by the app
	Exit	To disconnect your account from the appliance

Stove configuration

From the list of settings, select the first “Stove configuration” item.
From this screen it is possible to edit all of the stove parameters.

Parameters list

Parameter	Description	Settable values	Default values
Stove label	Enter the stove label	0/20 characters	0/20
Manual preload	Manual loading of the auger	Start; Stop	Start
Fan speed zone 1	You can set the usage mode and fan speed of zone 1	Manual; Auto; 1...5 (Manual)	Auto
Pellet mode	It is possible to set 10 different combustion configurations	-5...5	0
Stand-by	To enable “stand-by” mode	On; Off	On
Silence buzzer	Silence the buzzer temporarily	-	-
Enable/disable buzzer	Enable/disable the buzzer	Enable; Disable	Disable
Reset planning	To disable planning of switching on and off	-	-
Delayed ignition	Delays switching on	15 min...8h; Start	Start
Delayed shutdown	Delays switching off	15 min...8h; Start	Start
Offset zone 1	Room 1 temperature correction	-10.0°C...10.0°C	0.0°C
Thermostat zone 1	To enable an external thermostat	On; Off	Off
Enable ozonator	Enable the air ozonation function (not available at the moment)	On; Off	Off

“Stove label” setting

It is possible to enter or change the stove label, up to a maximum of 20 characters.

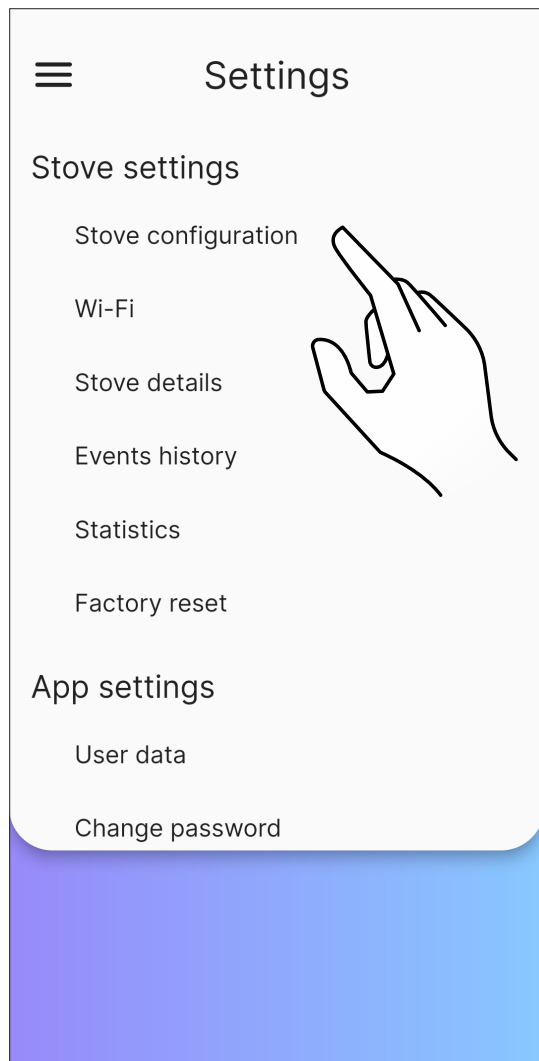


Fig. 42

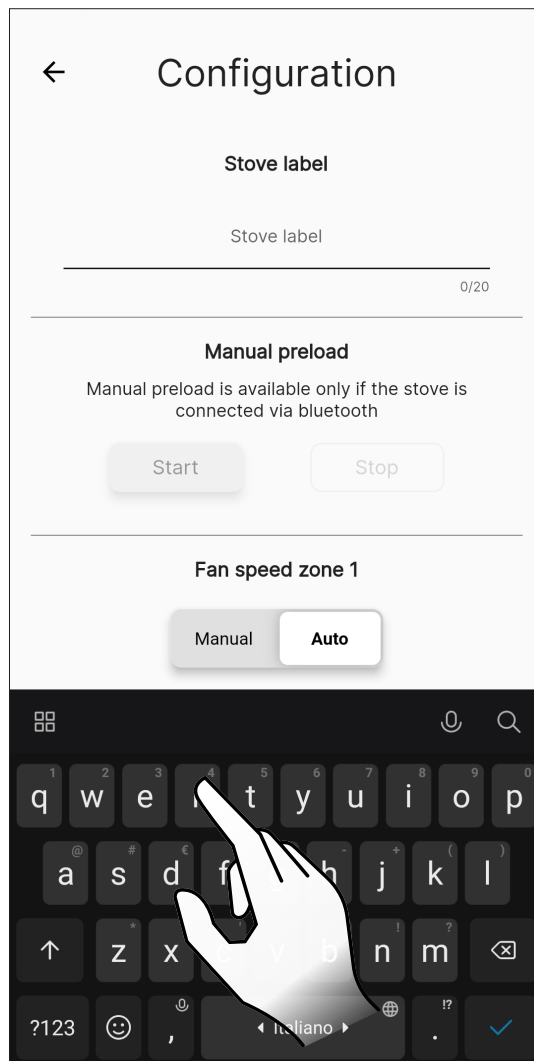


Fig. 43

“Manual preload” function



To preload the stove manually, it must be connected via Bluetooth.

To manually start the auger (stove off) proceed as follows:

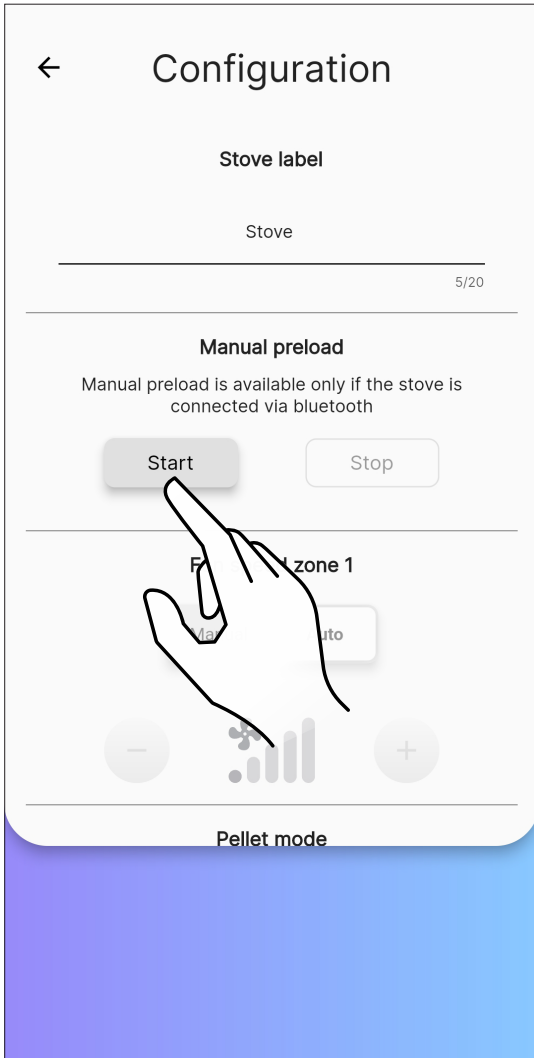


Fig. 44

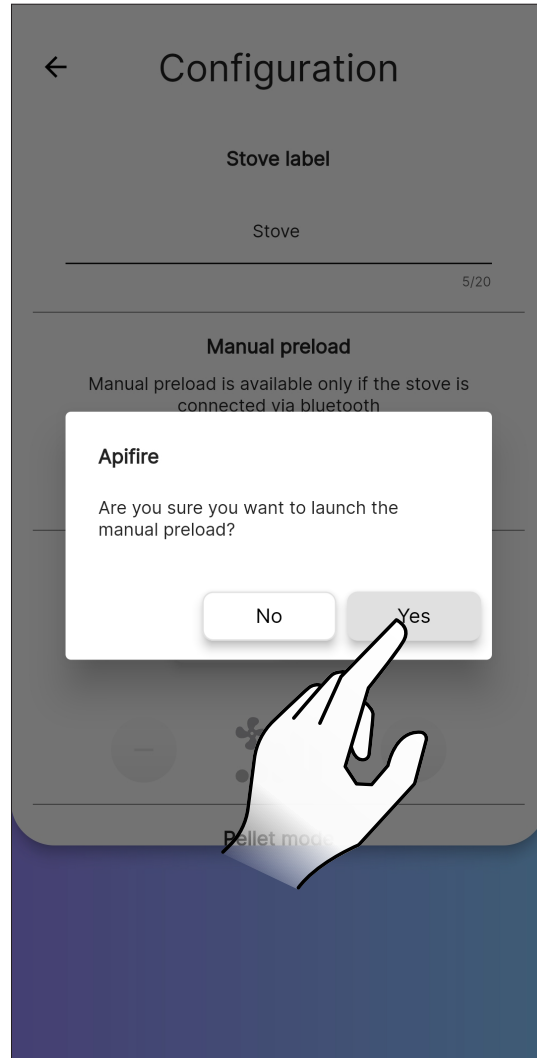


Fig. 45

On the other hand, to pause it:

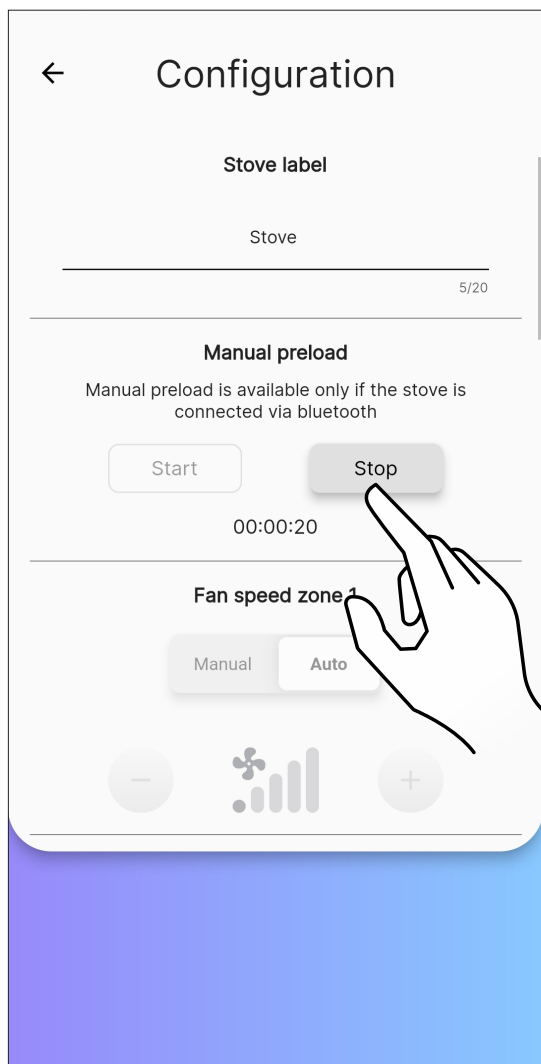


Fig. 46

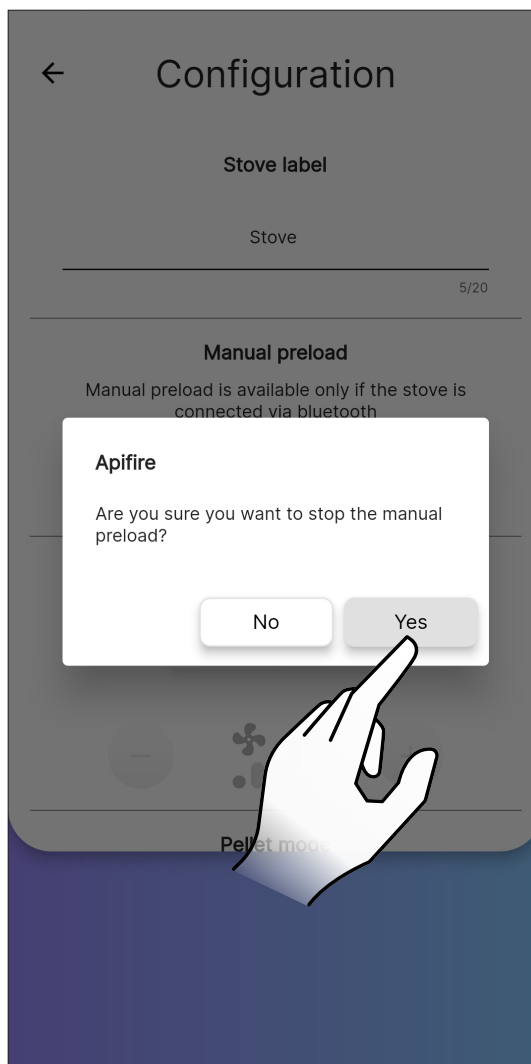


Fig. 47

“Fan speed zone 1” function



This function can only be used with the stove on (Fig. 49), otherwise it cannot be changed (Fig. 48).

You can choose between manual or automatic operation.
 If manual operation is chosen, the fan speed can be changed.
 The settable values range from 1 (min) to 5 (max).
 Set the speed by pressing the icons **+** or **-**.

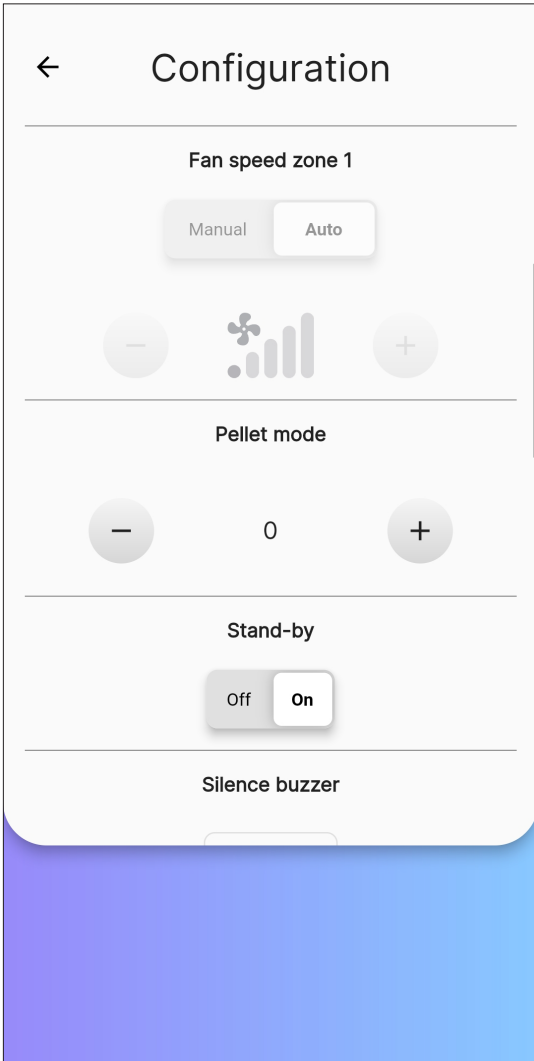


Fig. 48

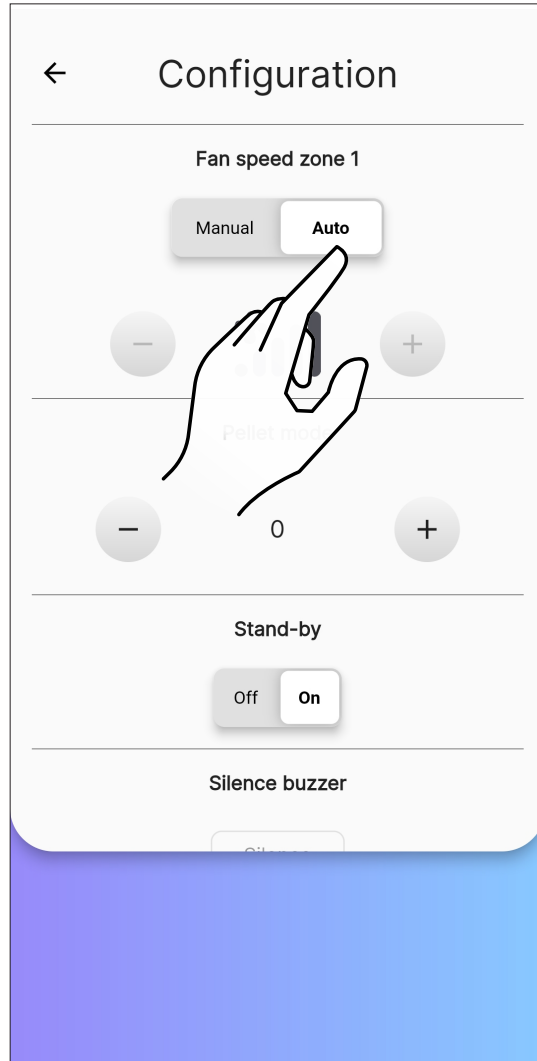


Fig. 49

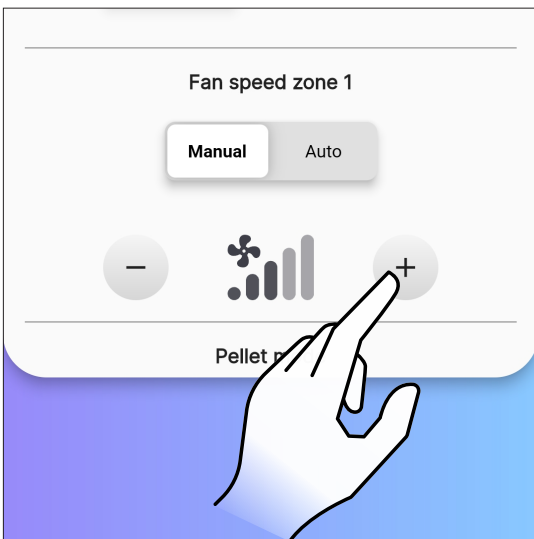




Fig. 50

“Pellet mode” function

Optimal combustion depends on various factors (installation type, operating and maintenance conditions, pellet type, etc...)

As a general rule, at the end of combustion, if a lot of residue remains in the fire pot, it is advisable to edit the combustion configurations (by increasing the value) until you achieve the most satisfying solution.

The settable values range from -5 (high quality pellet) to 5 (low quality pellet).

To set the type of pellet being used, press icons  or  .

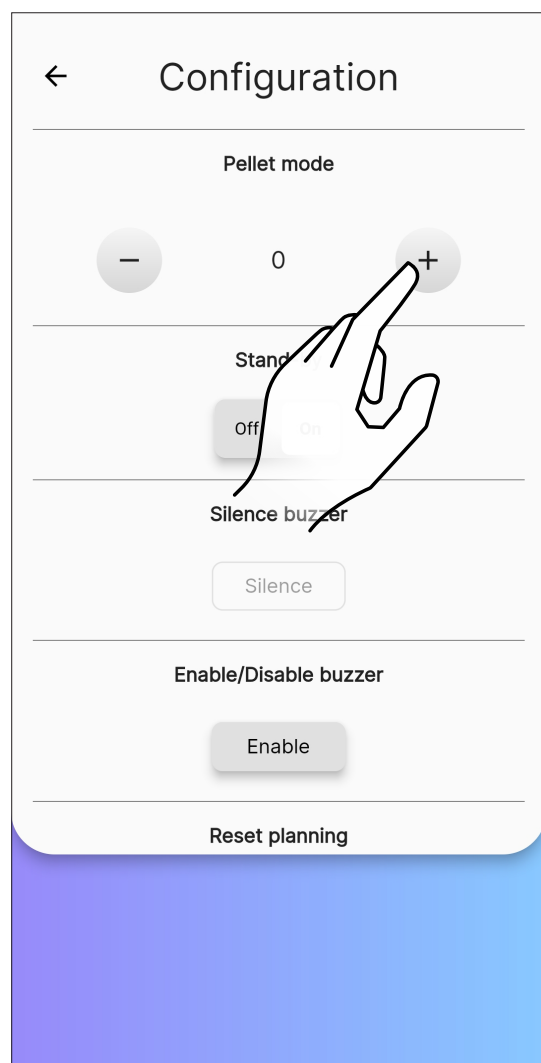


Fig. 51

“Stand-by” function

By enabling this function the appliance reaches the desired room temperature and then switches off.
 If this function is not enabled, the appliance modulates its operation by not switching off.
 To enable this function press “On”.

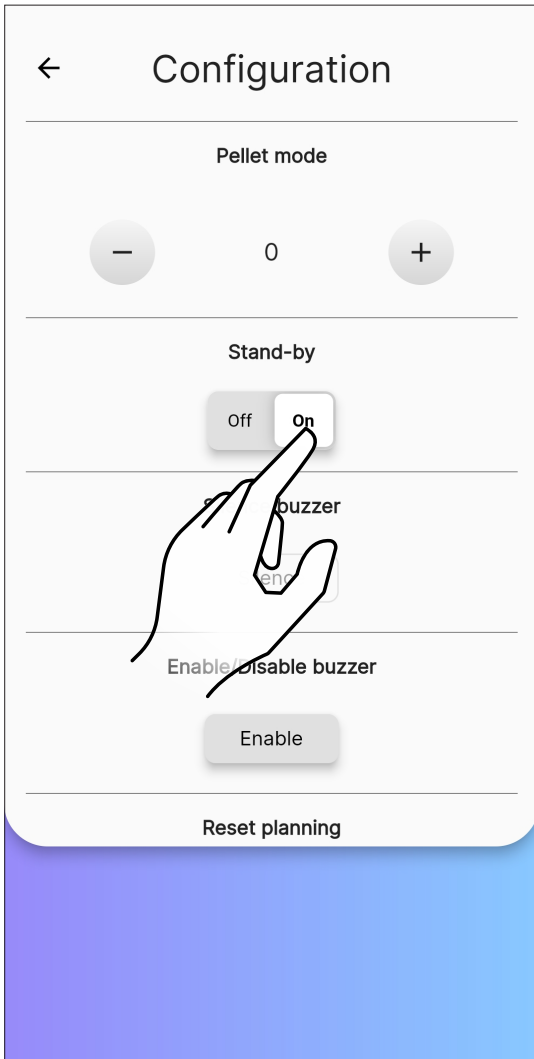


Fig. 52

“Silence buzzer” function



This function can only be used when an alarm is present, otherwise it will not be usable.

To silence the buzzer temporarily, press “Silence”.

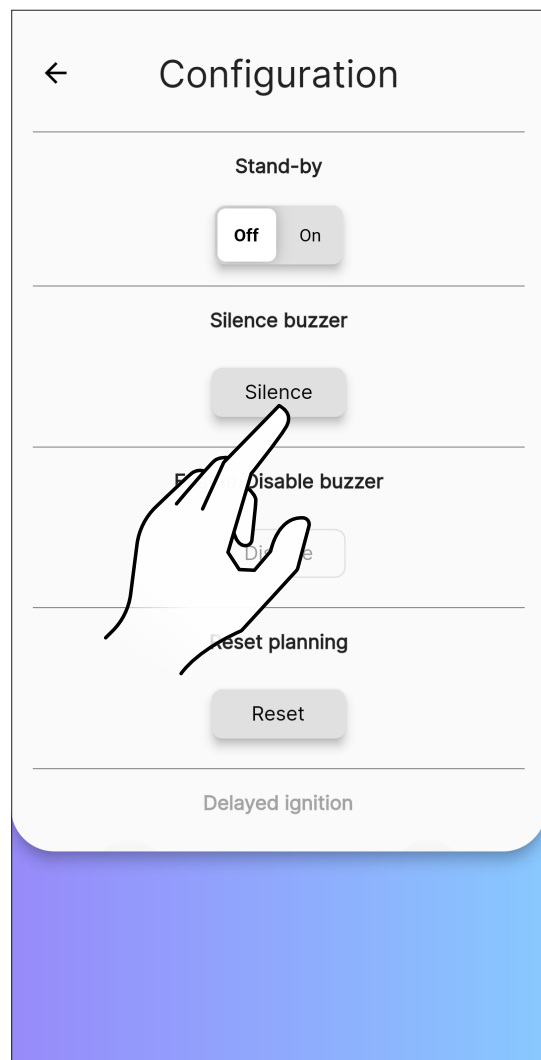


Fig. 53

“Enable/disable buzzer” function

To permanently enable/disable the buzzer, press the “Enable” or “Disable” button.

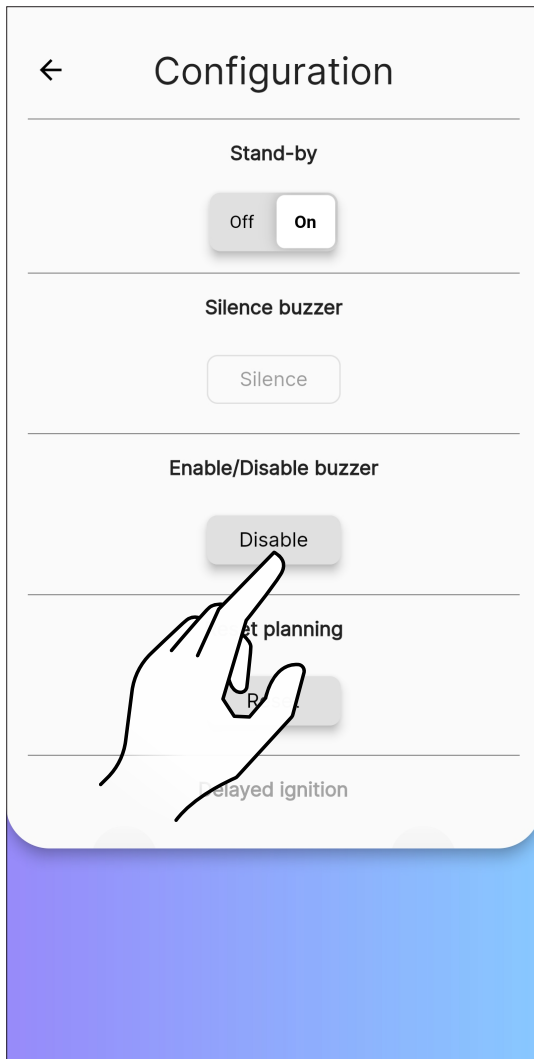


Fig. 54

“Reset planning” function

To reset planning press “Reset”.

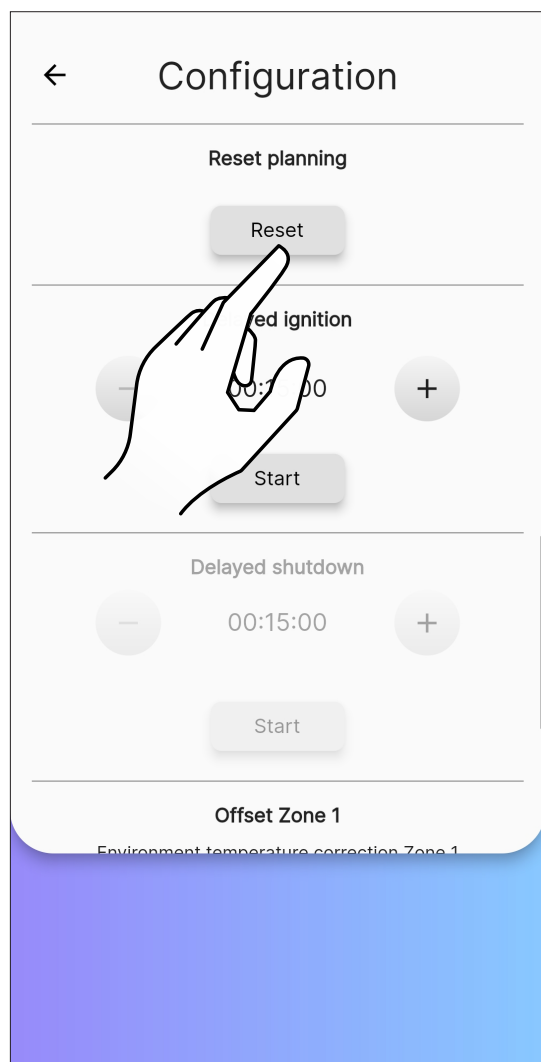


Fig. 55

“Delayed ignition” function

This function allows you to delay switching on the appliance only if this is switched off and if the schedule has not been enabled. It will be possible to delay switching on the appliance by a minimum of 15 minutes to a maximum of 8 hours by using the keys **+** and **-**. Then press “Start”.

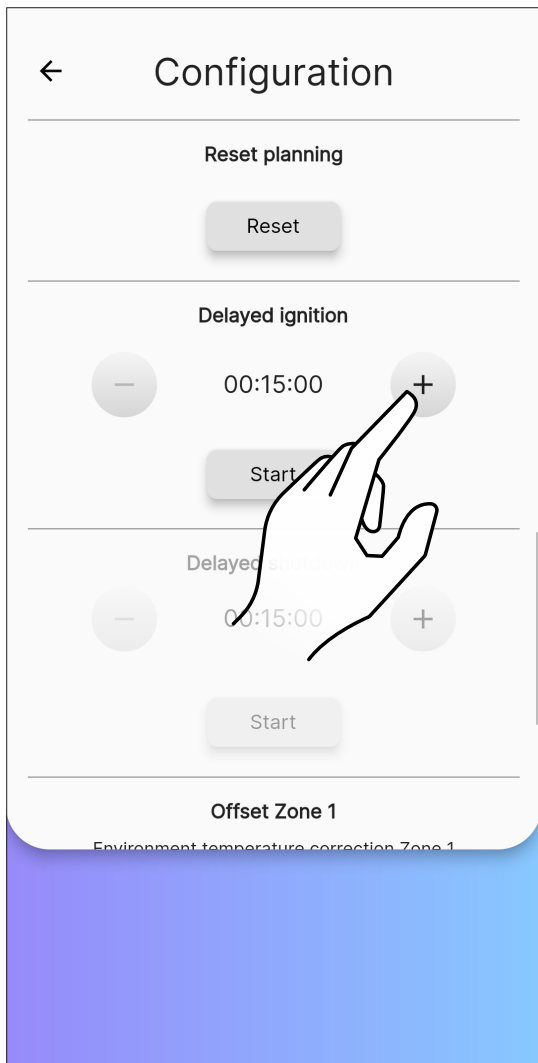


Fig. 56

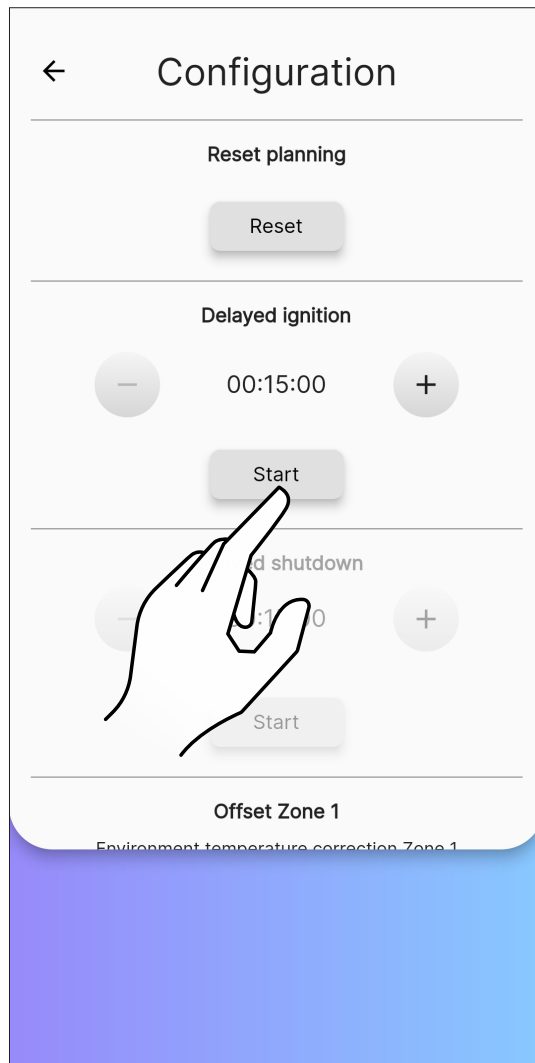




Fig. 57

“Delayed shutdown” function

This function allows you to delay switching off the appliance only if this is switched on and if the schedule has not been enabled. It will be possible to delay switching off the appliance by a minimum of 15 minutes to a maximum of 8 hours by using the  and . Then press “Start”.

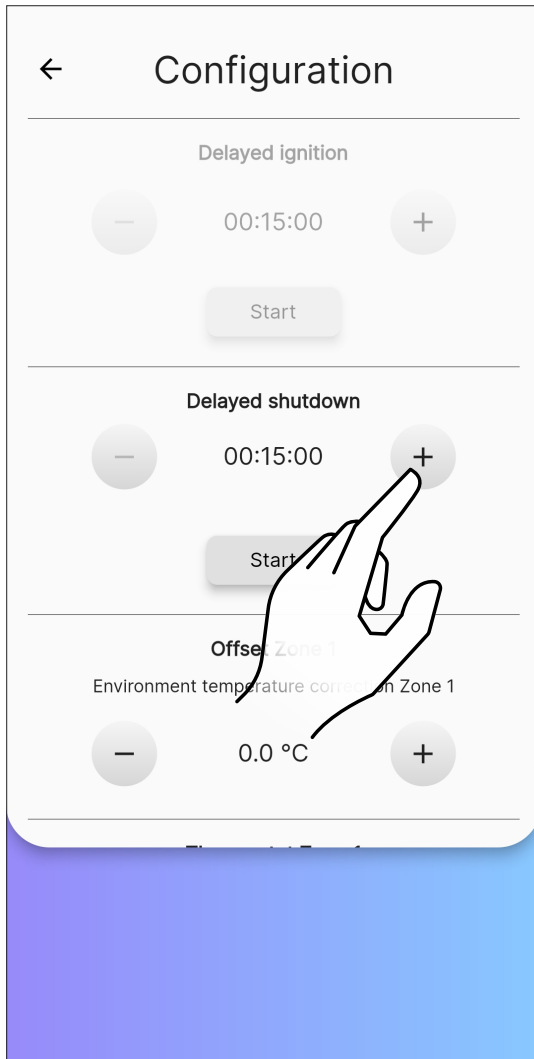


Fig. 58

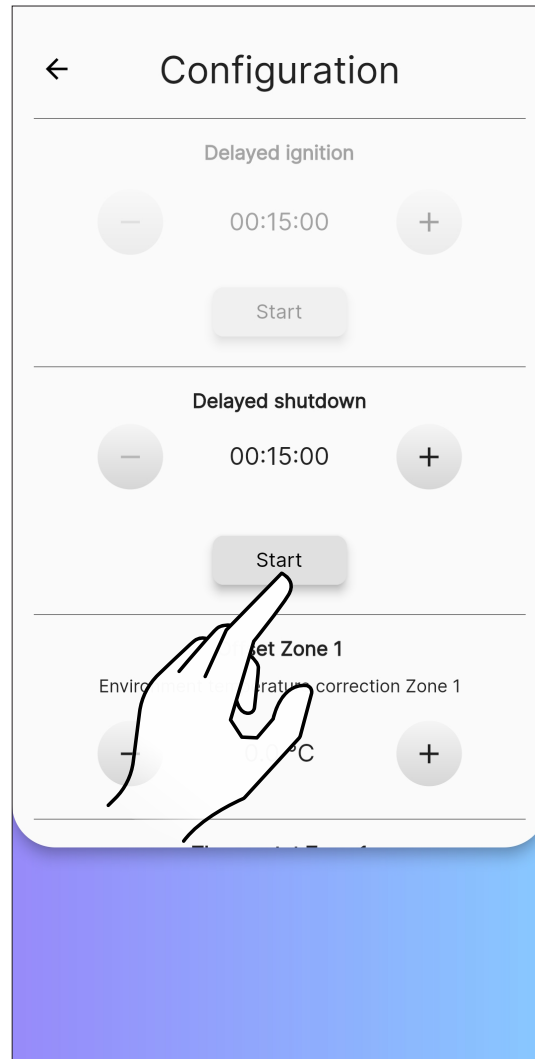


Fig. 59

“Offset zone 1” function

This function is used to correctly read room temperature of zone 1.

The correction range is -10°C to 10°C.

To set the correction factor use keys **+** and **-**.

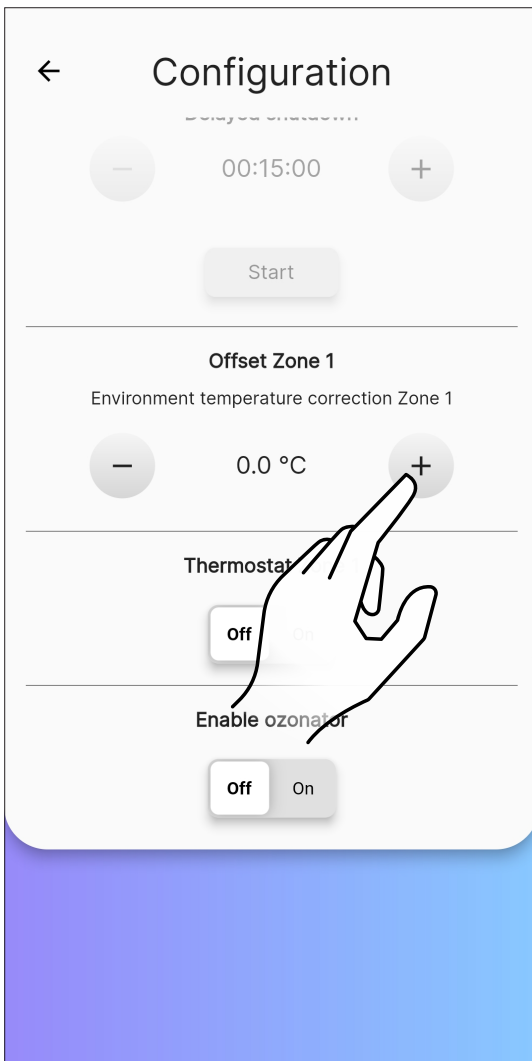


Fig. 60

“Thermostat” function

When the appliance is controlled by an external thermostat (or chronothermostat), the installer must turn it on using the “On” button

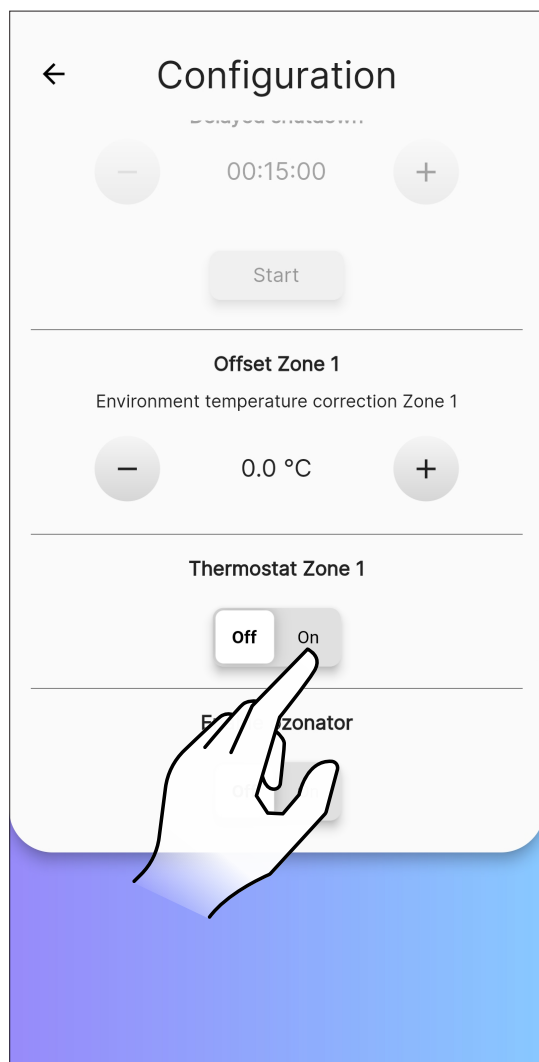


Fig. 61

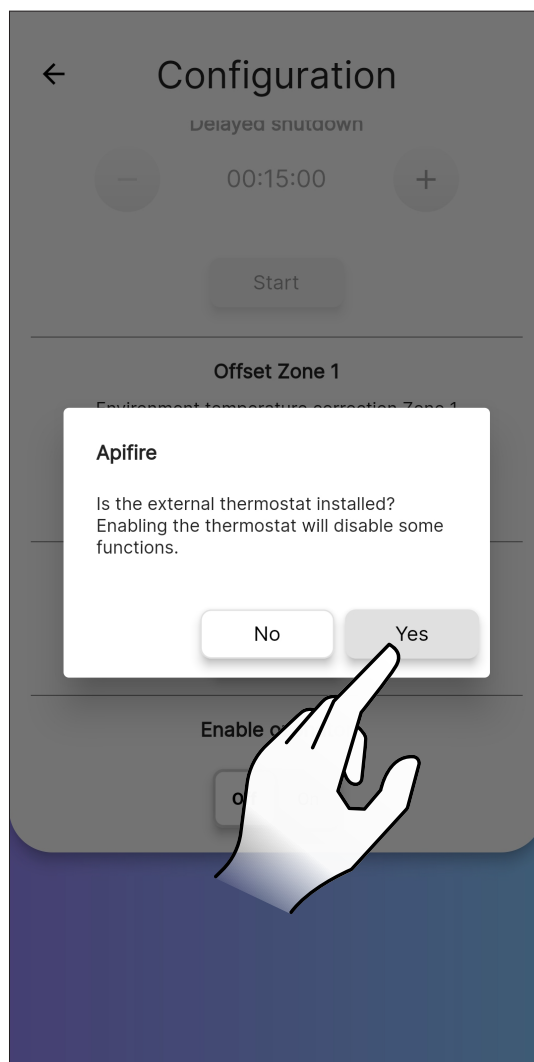
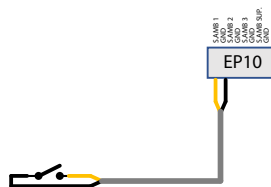


Fig. 62

and connect it to the EP 10 connector on the electronic board as shown in the figure.



Manually proceed with replacing the room probe with the external thermostat, by changing the wiring.

Stand-by On: the appliance switches off when the external thermostat is satisfied (open circuit); the appliance turns back on automatically when the temperature drops below the value set on the external thermostat (closed circuit).

Stand-by Off: the appliance will go to the minimum or maximum power depending on the status of the thermostat.



The first time it is switched on, or if it was switched off directly from the appliance, it is necessary to proceed with switching on the appliance directly from the control panel.



Connect an open/closed external thermostat, therefore potential-free.

The "Remote control" screen displays the status of the thermostat instead of the room temperature.

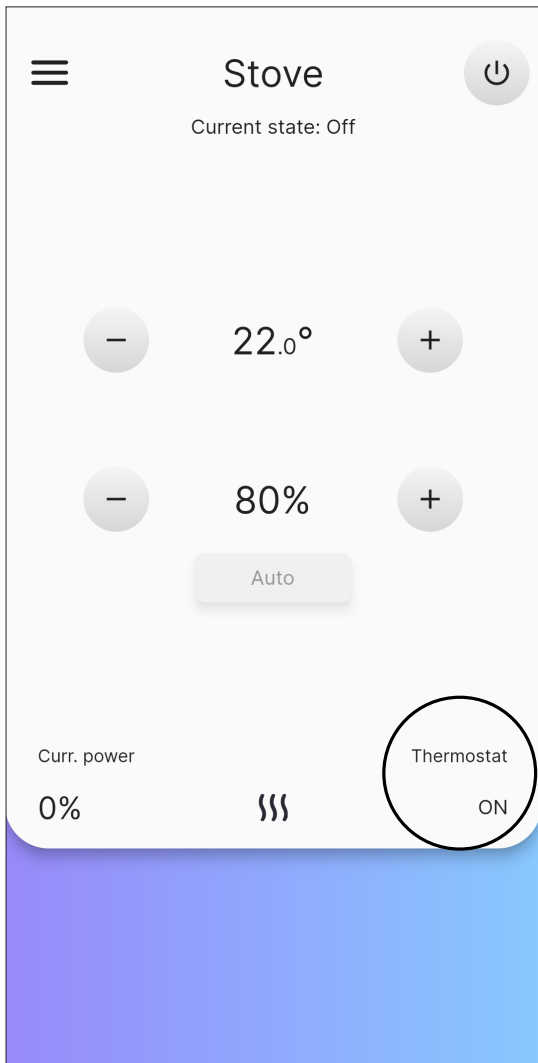


Fig. 63

Wi-Fi

From the list of settings, select "Wi-Fi" to select which network to connect the appliance to.

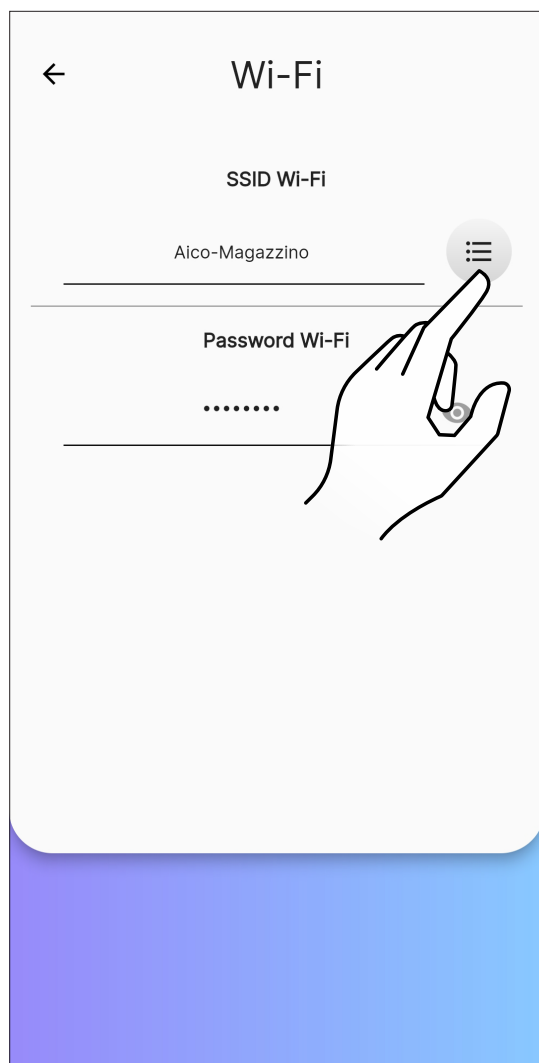


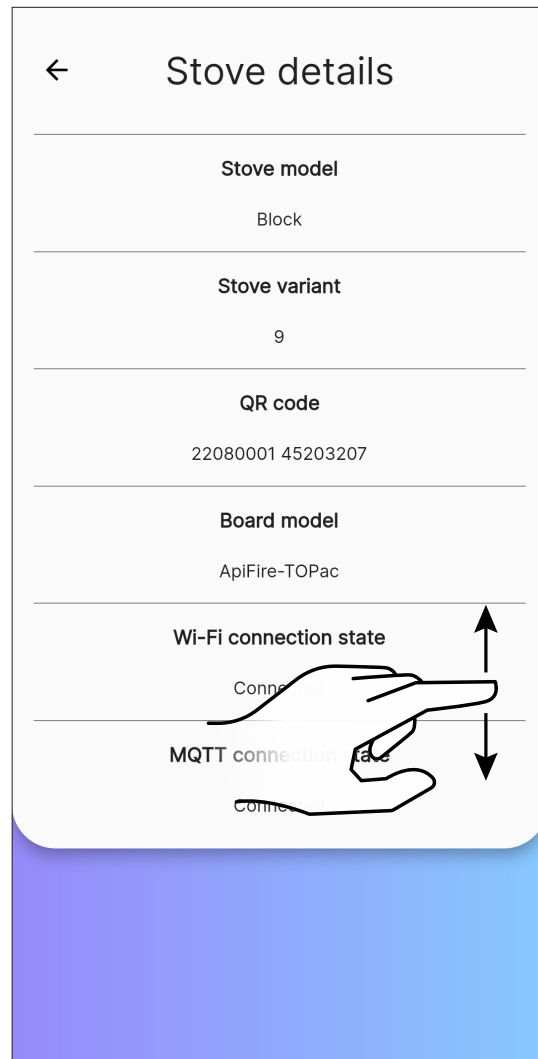
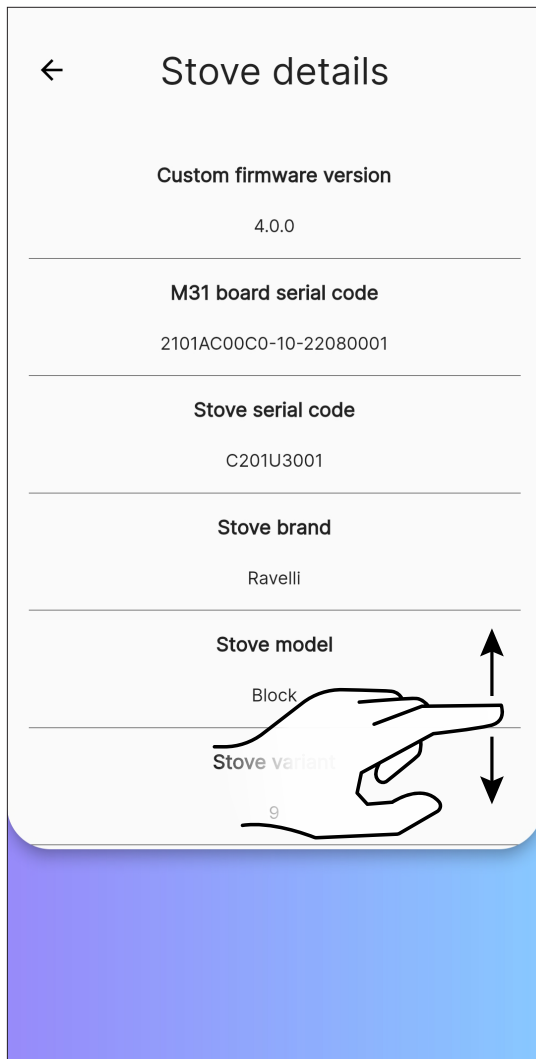
Fig. 64



Fig. 65





Stove details

It is possible to view some of the information relative to the appliance, by scrolling the screen.



Events history

The list includes the events that happened on the appliance, in chronological order, according to the division reported in the table below:

Icon	Label	Description
	Info	Operating information
	Warning	Warning that does not stop appliance operation
	Error	Error that stops appliance operation. Seek assistance.
	Critical	Critical event requiring assistance

Example of screen display:

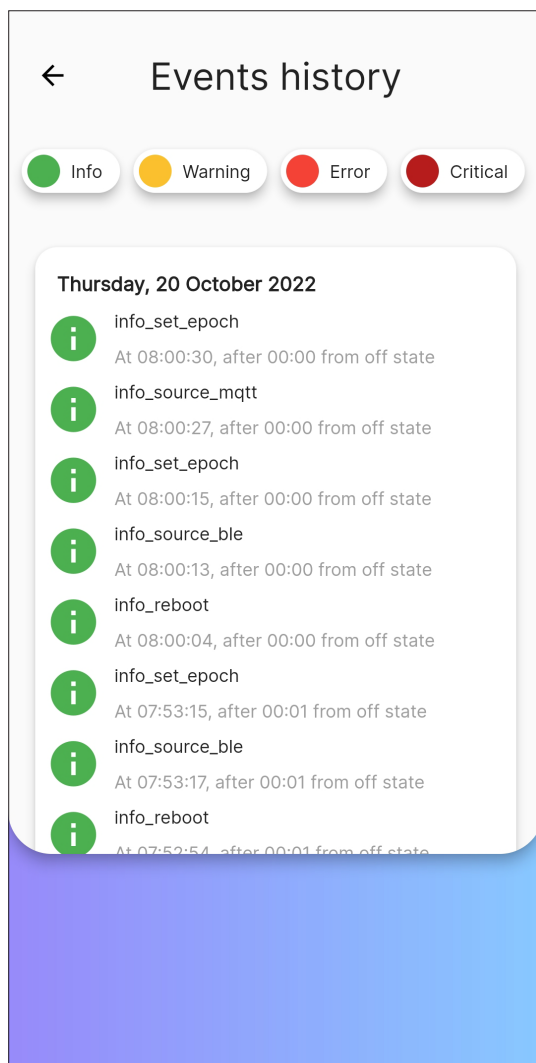


Fig. 68

Statistics

The list of recorded mode and operating hours, in chronological order.
By scrolling the screen it will be possible to view all of the acquired statistics.

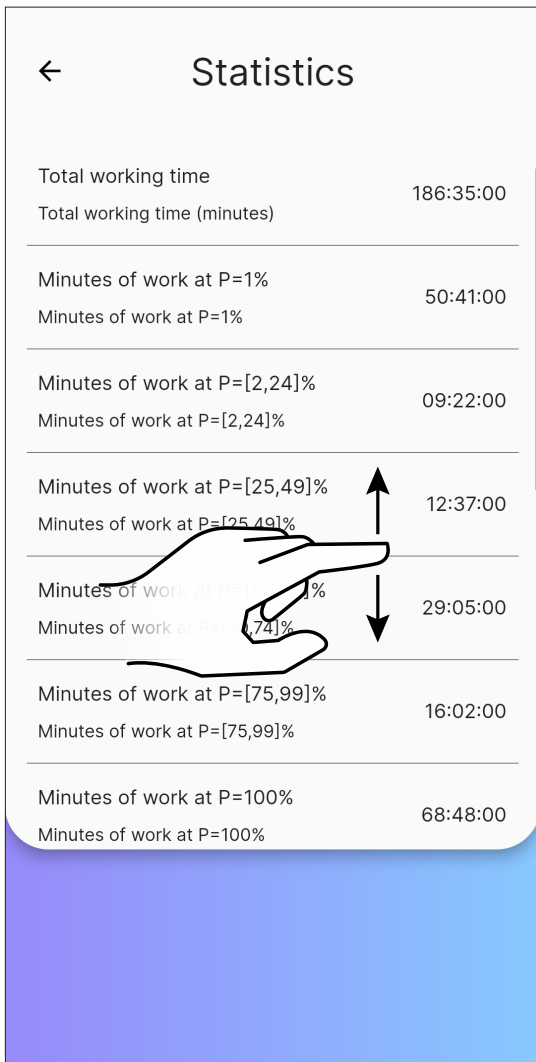


Fig. 69

Factory reset

From the list of settings, select “Factory reset” to restore the data set by the manufacturer and clear the accounts associated to it (including the “owner” account).

Before running a “Factory reset” you must:

- place the stove in “off” without any active errors;
- Check that the mobile device has an internet connection when the “Factory reset” command is sent.

A screen will open to manually enter the 16-character code.

Then press the “Reset data” button.



Bluetooth must be connected to perform the reset.

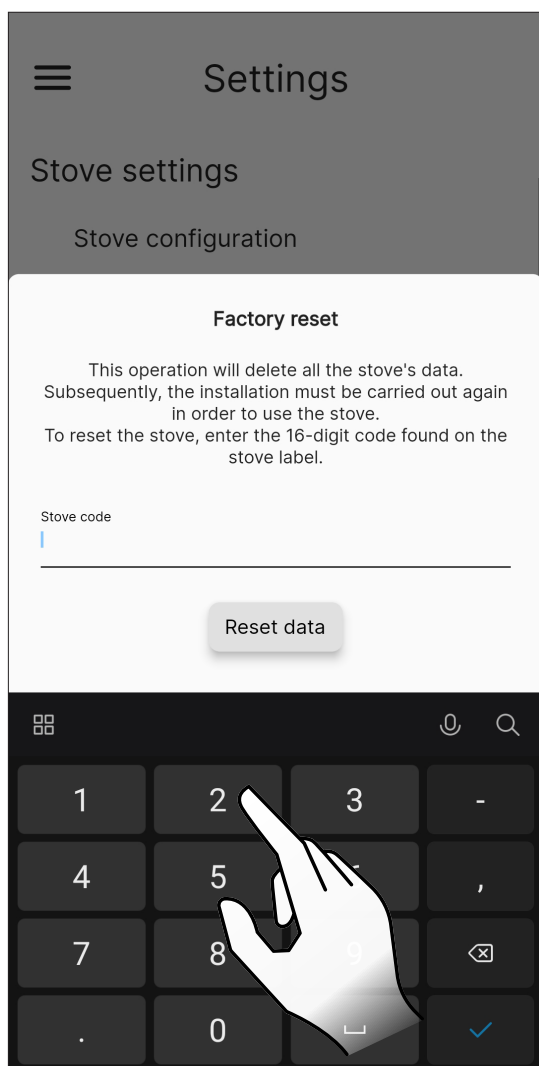


Fig. 70

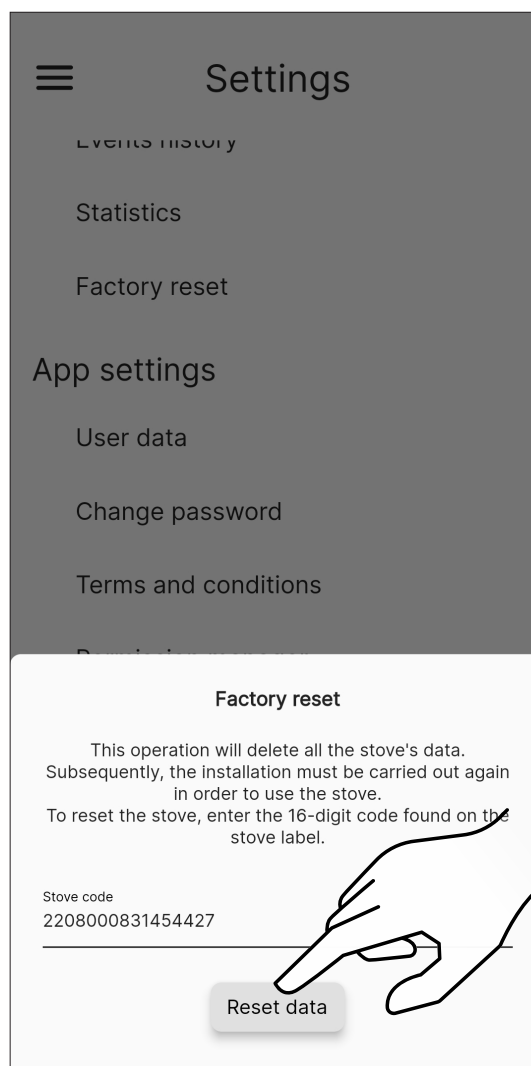


Fig. 71

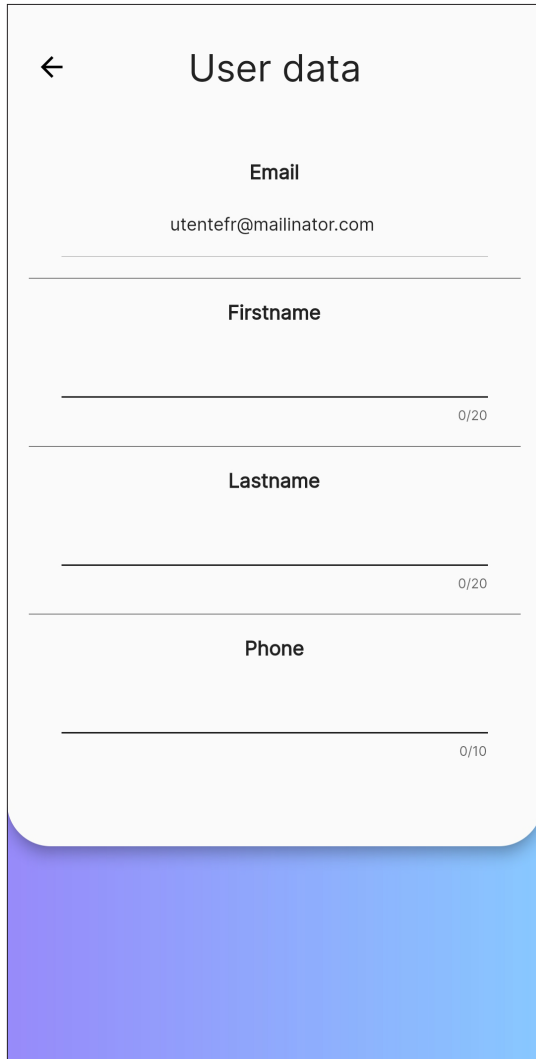
User data

From this screen you can set the information relative to the appliance's user:

- Email
- Firstname
- Lastname
- Phone



This information is not compulsory.



← User data

Email
utentefr@mailinator.com

Firstname
0/20

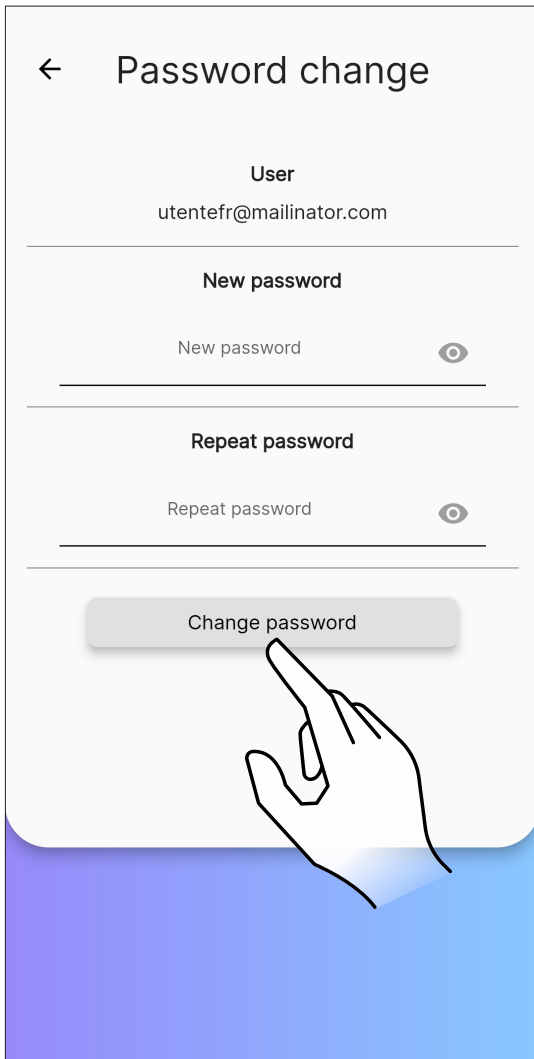
Lastname
0/20

Phone
0/10

Fig. 72

Change password


From this screen you can change the password of the account used for signing in.




← Password change

User
utentefr@mailinator.com

New password

New password 

Repeat password

Repeat password 

Change password

Fig. 73

Terms and conditions

From this screen you can change the privacy terms and conditions, except for the compulsory ones selected previously during the first configuration of the application.



Giving consent to the third condition enables the weather forecast, with reference to the location of the stove. Restart the App to implement the change.

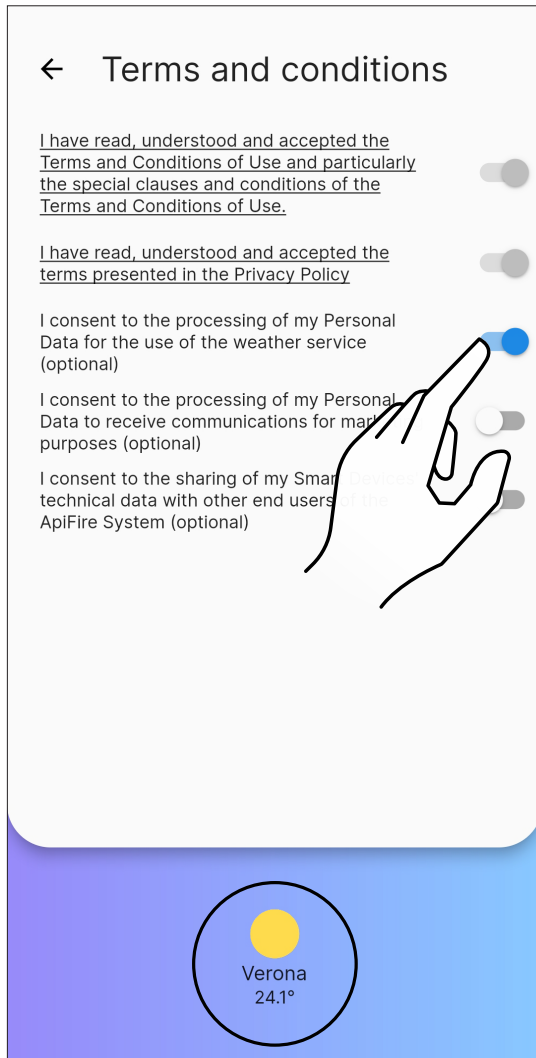


Fig. 74

Access manager

From this screen you can request access to another stove or manage the access requests of other users to the stove that you are the “owner” of, as seen in the paragraph above “Connection with an already configured stove”.

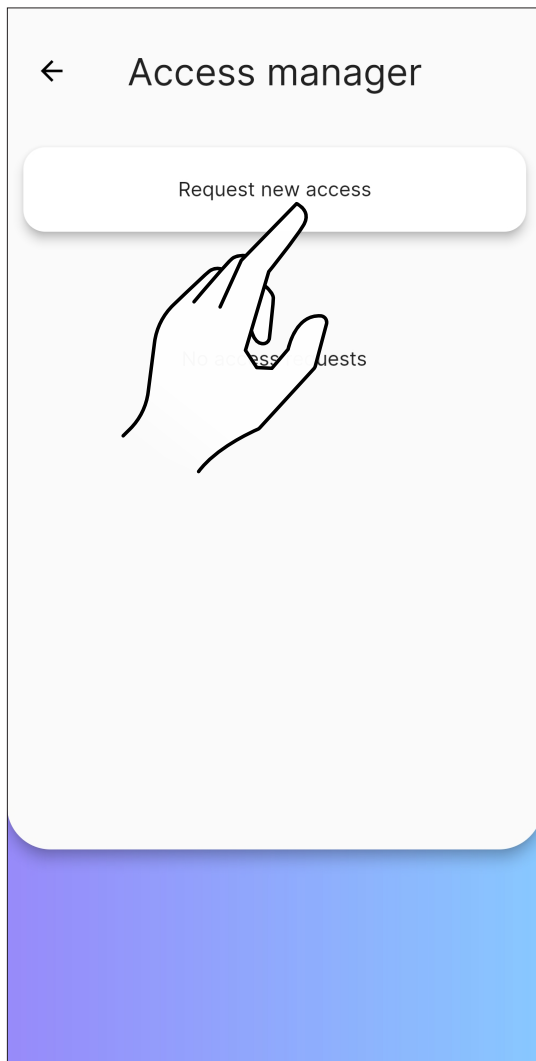


Fig. 75

Opensource licenses

From the settings list, select "Opensource licenses" to open a screen displaying the licenses of the application.

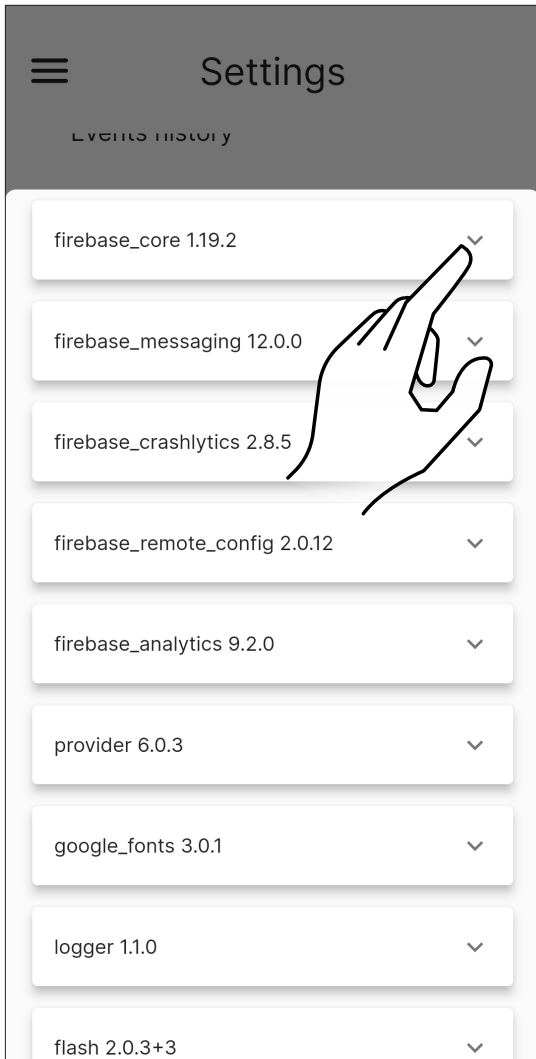


Fig. 76

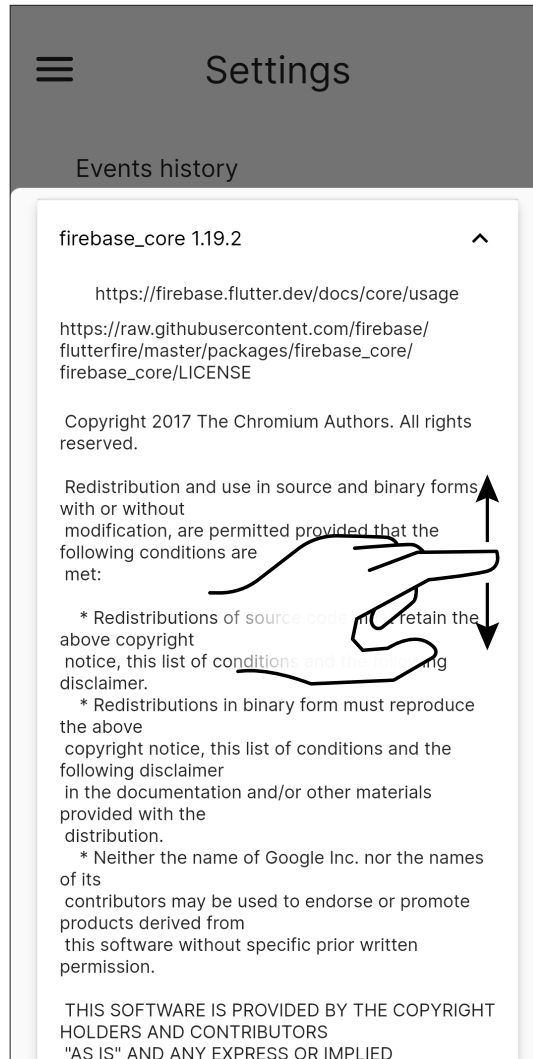


Fig. 77

Exit

From the settings list, by selecting "Exit" it will be possible to exit the account.

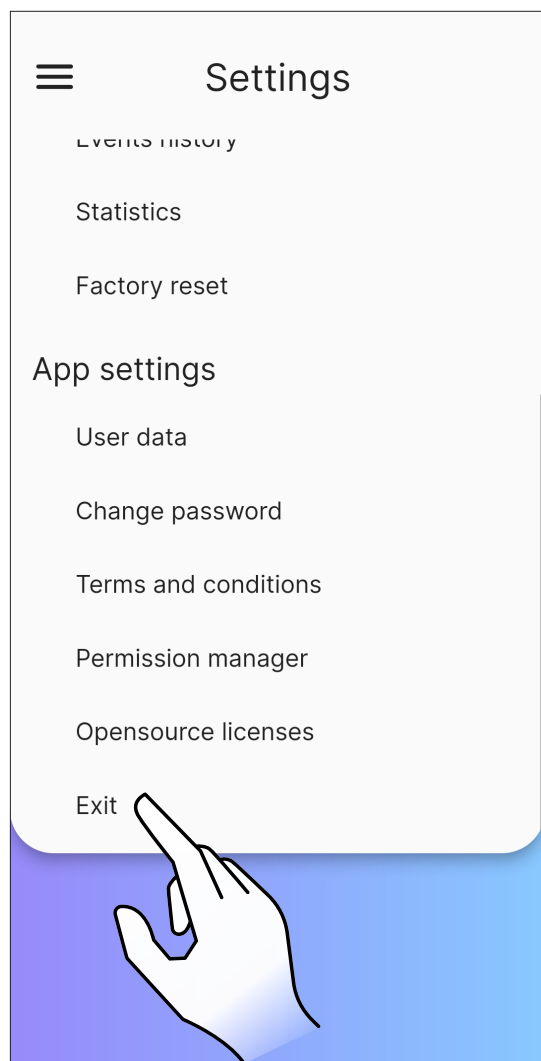


Fig. 78

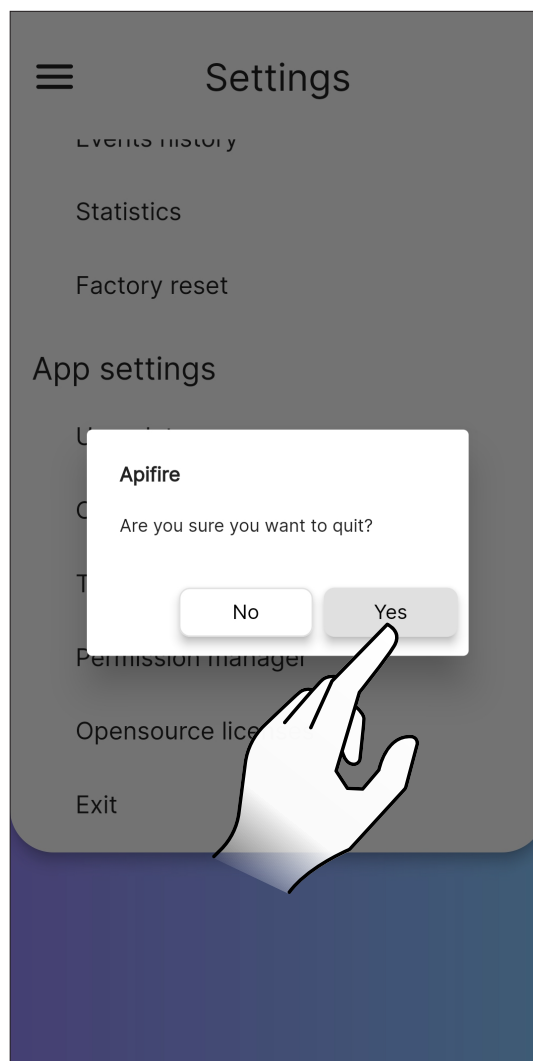


Fig. 79


“PLANNING” MENU

Planning

From the main menu, press the icon  to access the “Planning” menu.

From this screen (Fig. 81), it will be possible to plan appliance operation and the desired temperature over the course of the day, for each day of the week. By default, this will appear as shown in the picture.

Press on the desired day to open its editing screen.

Use the key  (Fig. 81) to enable or disable the weekly schedule.

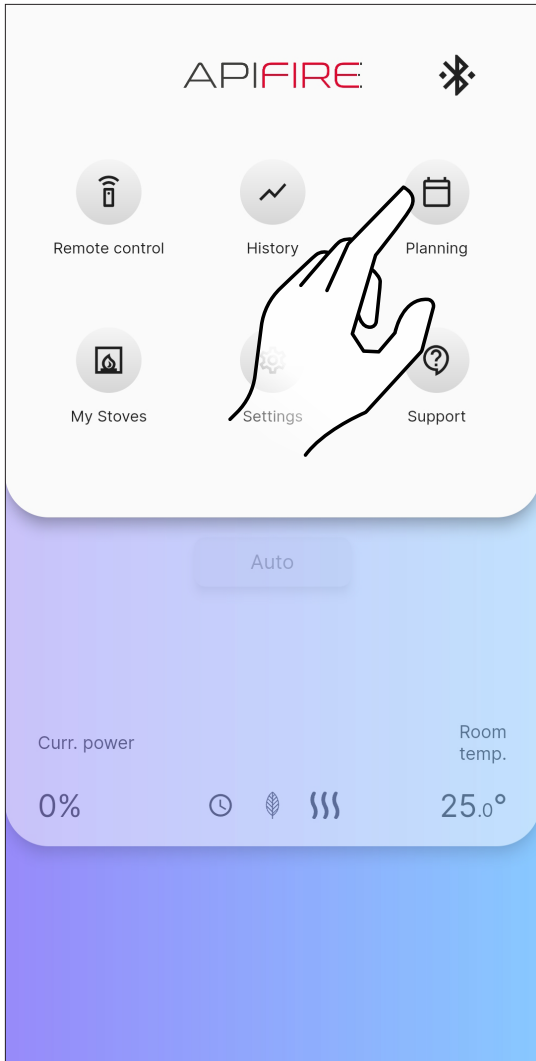


Fig. 80

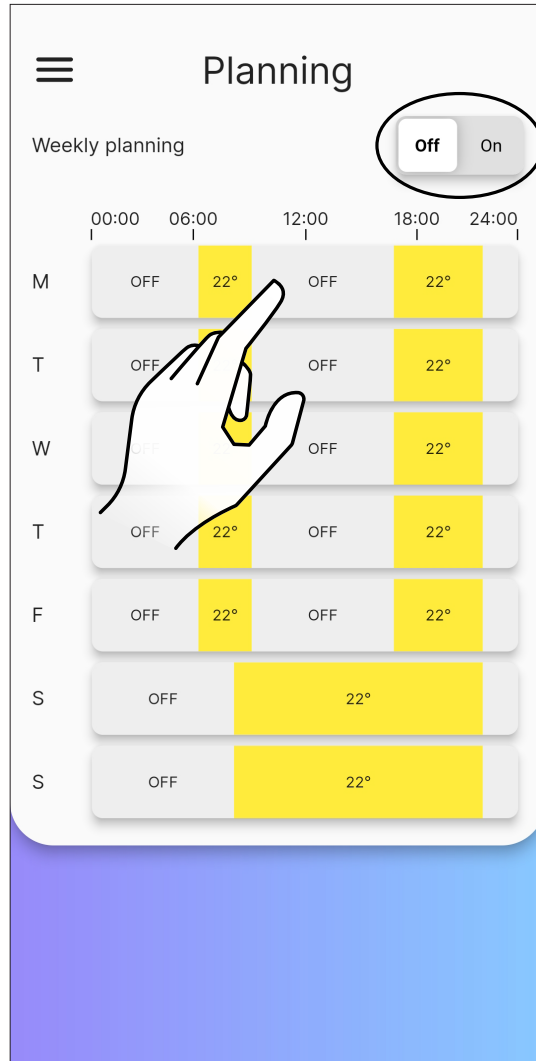


Fig. 81

Description

For each day of the week, it is possible to assign various time slots with different temperatures, one every 15 minutes.

For each slot you can set: start time, end time and desired temperature.

It will always be possible to create or delete new time slots and copy the entire schedule of the day to the other days of the week.

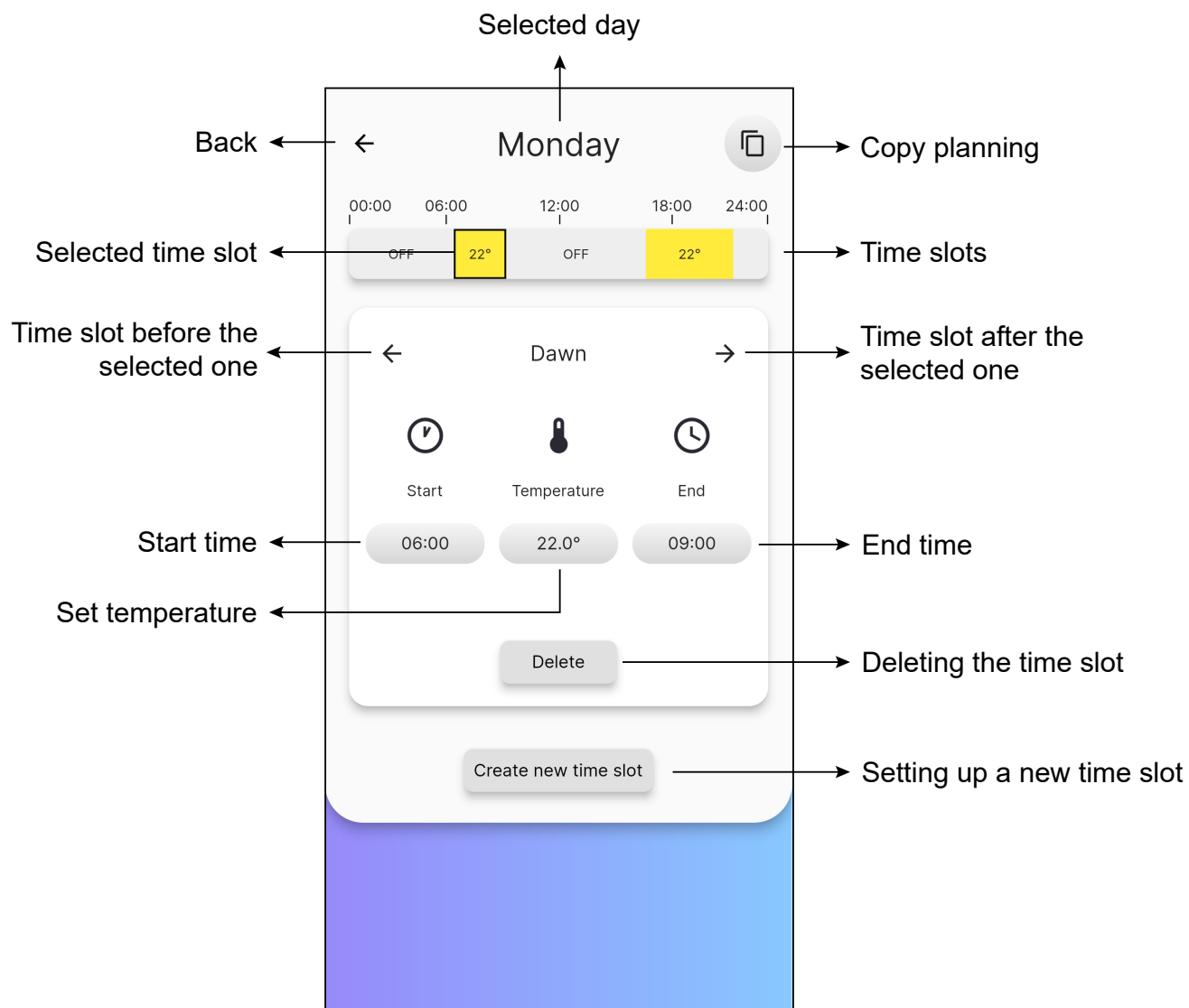


Fig. 82

Use

Managing time slots

Change the start time by pressing the button, indicating the time, under the word "Start".

Use the buttons **+** and **-** to choose the start time of the slot.

Press "Close" to confirm.

Proceed in the same way to change the end time of the slot.

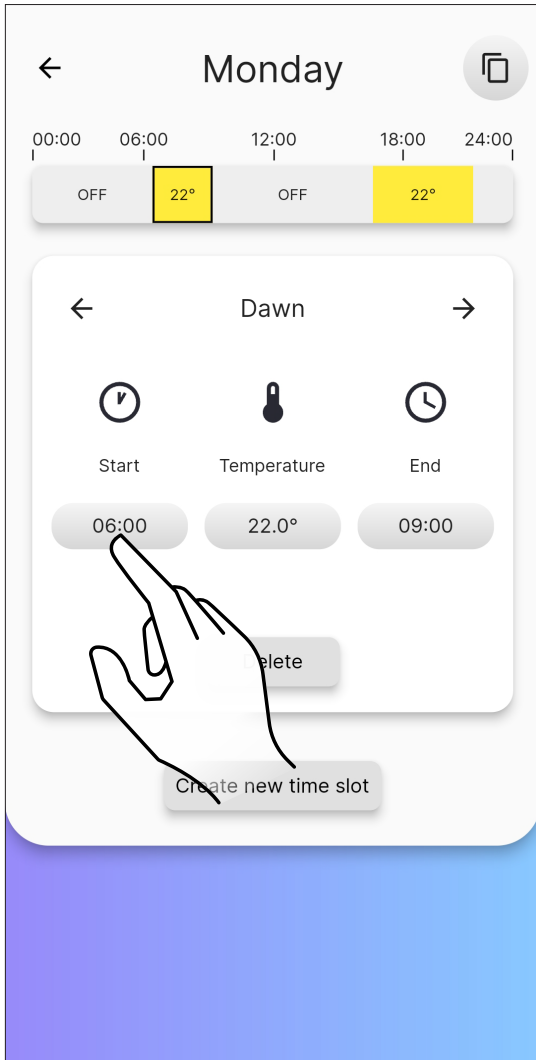


Fig. 83

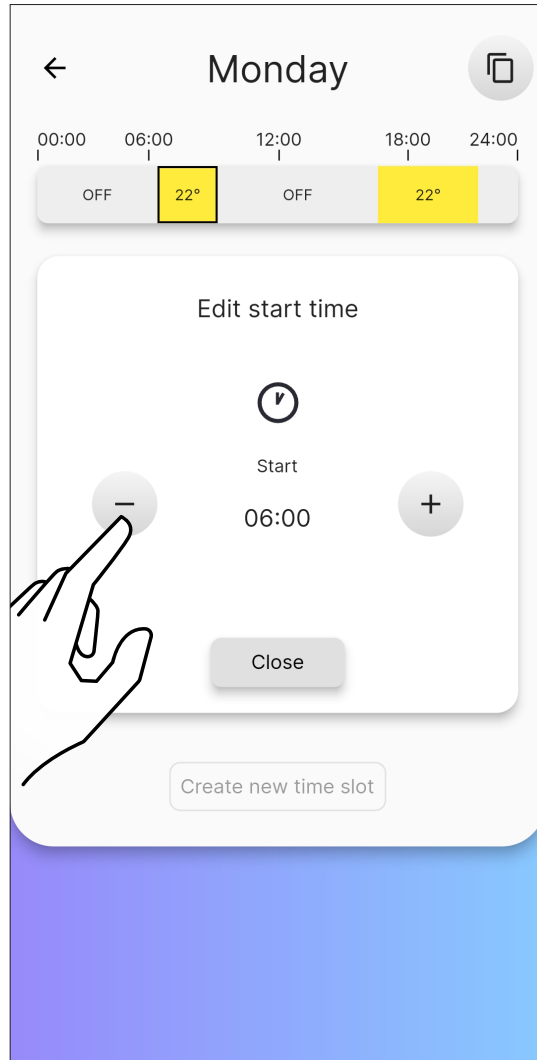


Fig. 84

Once the start and end times have been defined, proceed by setting the intended temperature for that slot, similar to the previous steps.

The settable temperatures are: OFF (stove off) and from 10°C to 30°C.

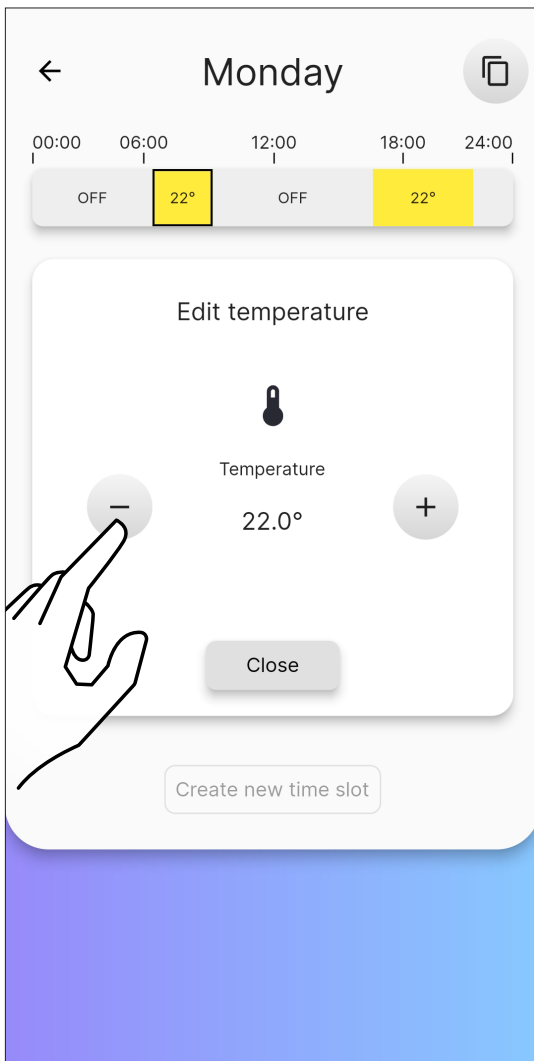


Fig. 85

Setting up a new slot

A new time slot is created similarly to the modification of an existing one, by pressing the “Create new time slot” button.



Make sure you previously check the end time of the slot to complete the step correctly.

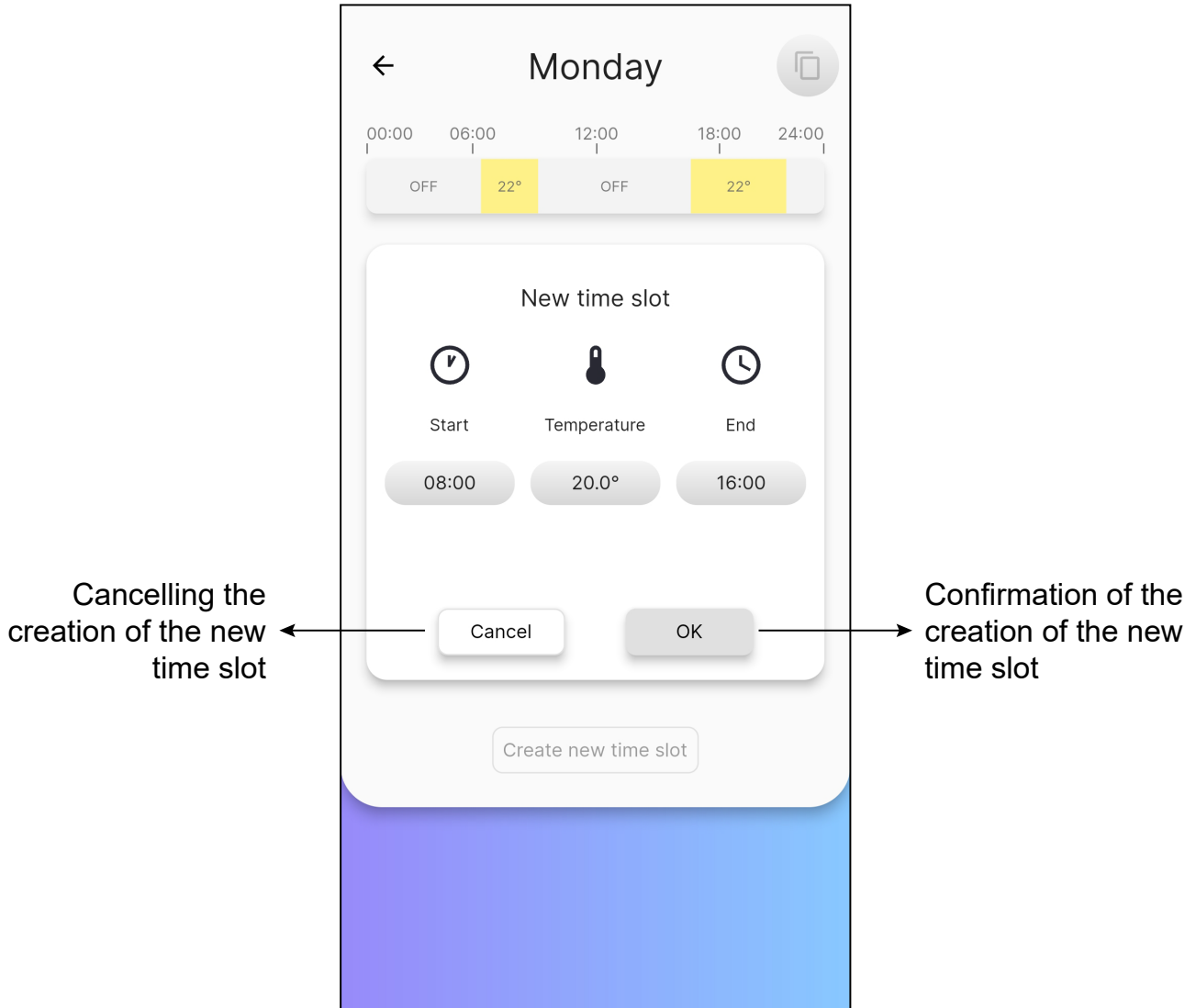


Fig. 86

Copying the planning of a day

Example: if you wish to copy Monday's planning on Tuesday as well, simply press the icon and select "Tuesday".

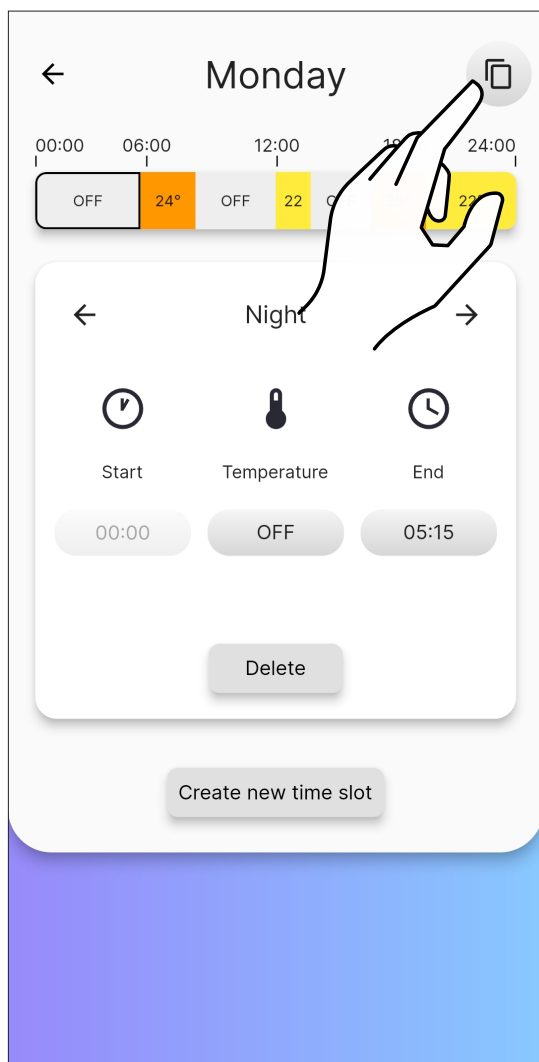


Fig. 87

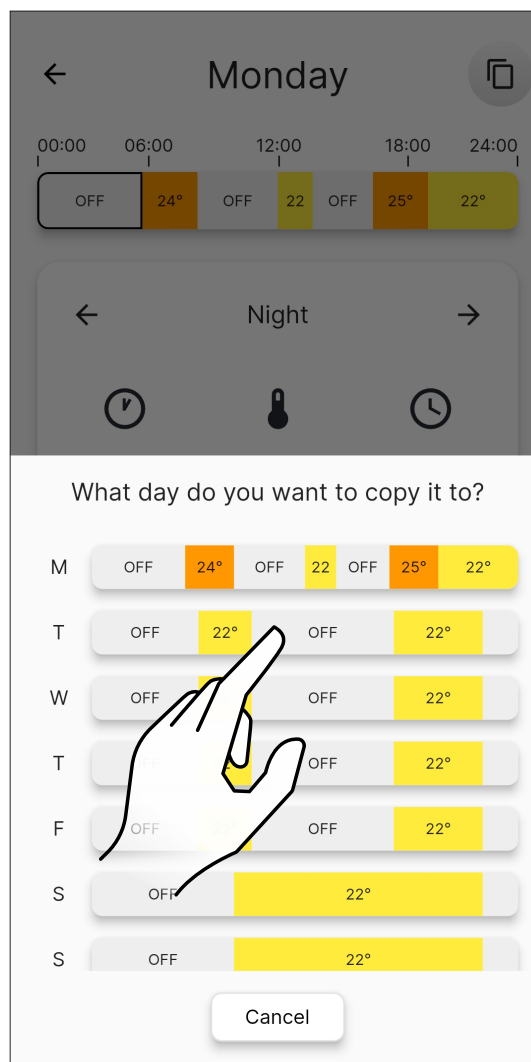


Fig. 88

Reset planning

To reset planning go to the "Settings" menu and press "Stove configuration", scroll to the "Reset planning" function and press the "Reset" button as explained previously (Fig. 55).

“HISTORY” MENU

History

From the main menu, press the icon  to access the “History” menu.

From this screen (Fig. 90) it will be possible to view the trend of the temperature in the last 5 days.

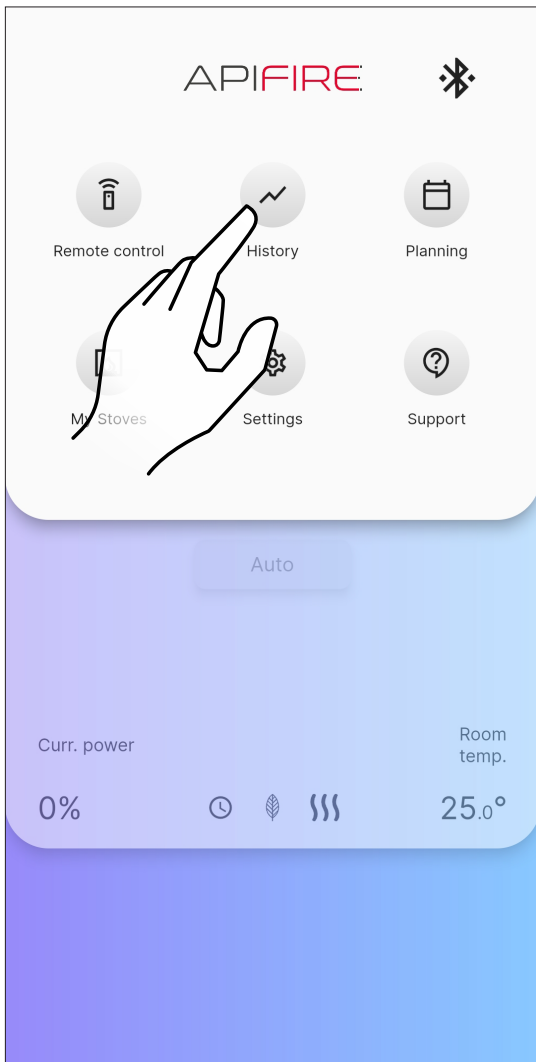


Fig. 89

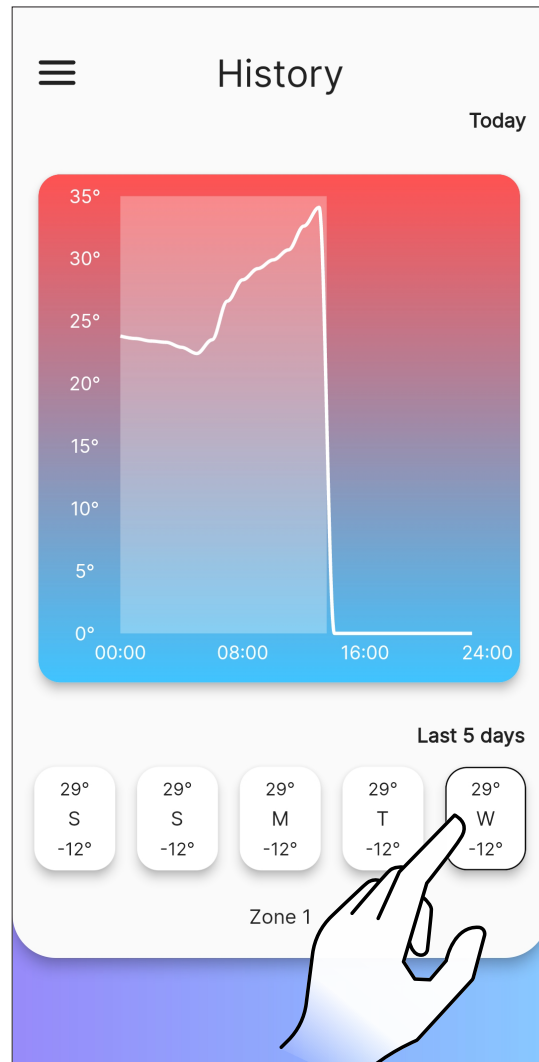


Fig. 90

“MY STOVES” MENU

My stoves

From the main menu, press the icon  to access the “My stoves” menu.

From this screen (Fig. 91) it will be possible to see all of the stoves controlled by this application or add a new stove.



If you add a new stove, the current one will be disconnected.

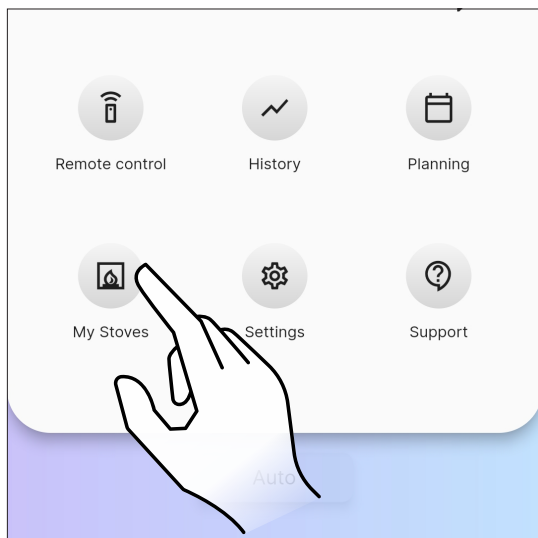


Fig. 91

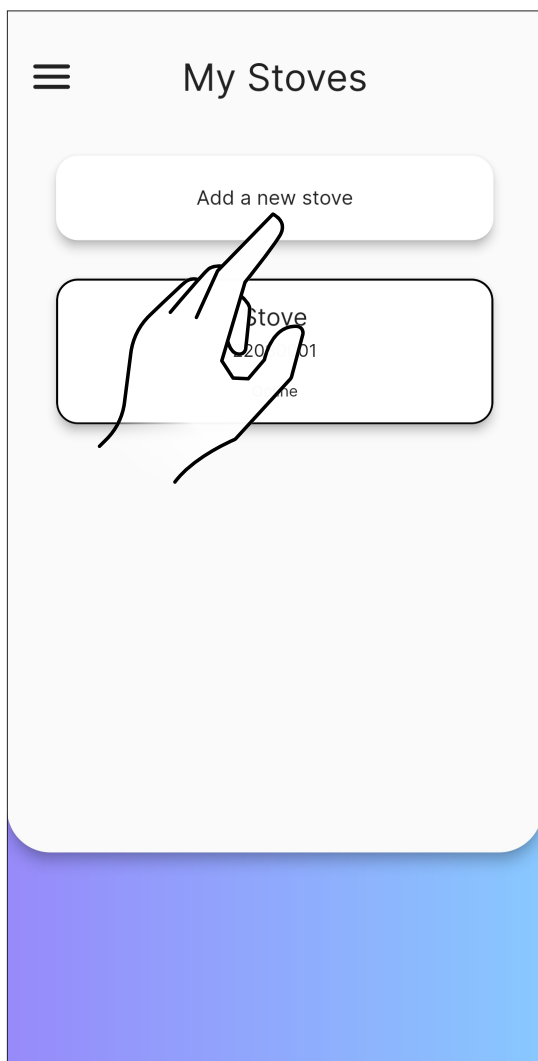


Fig. 92

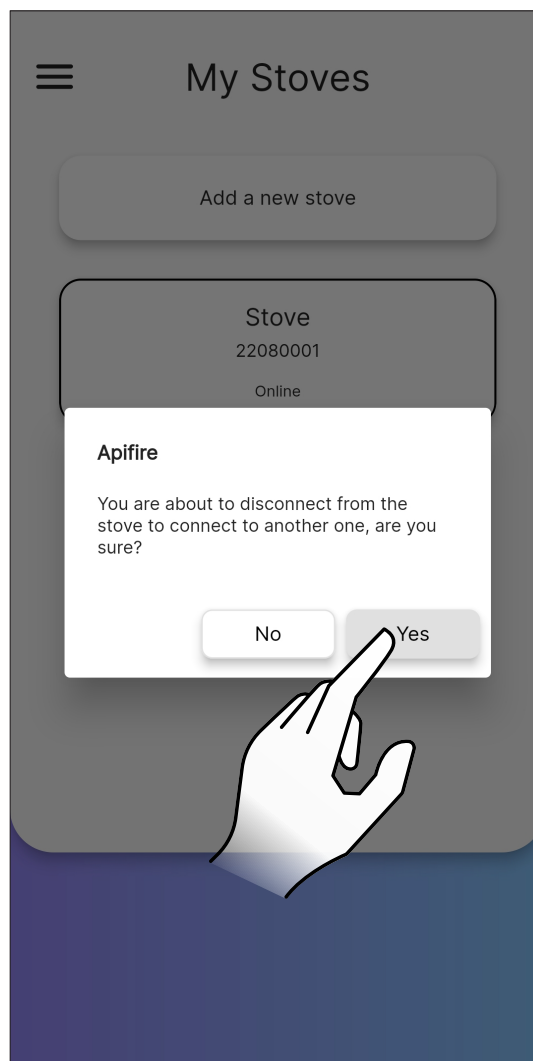



Fig. 93

“SUPPORT” MENU

Support

From the main menu press the icon  to go to your email to send the support request.



For the subject line, write a brief description of the problem, and in the body of the email, after the pre-complied text, a more accurate explanation.

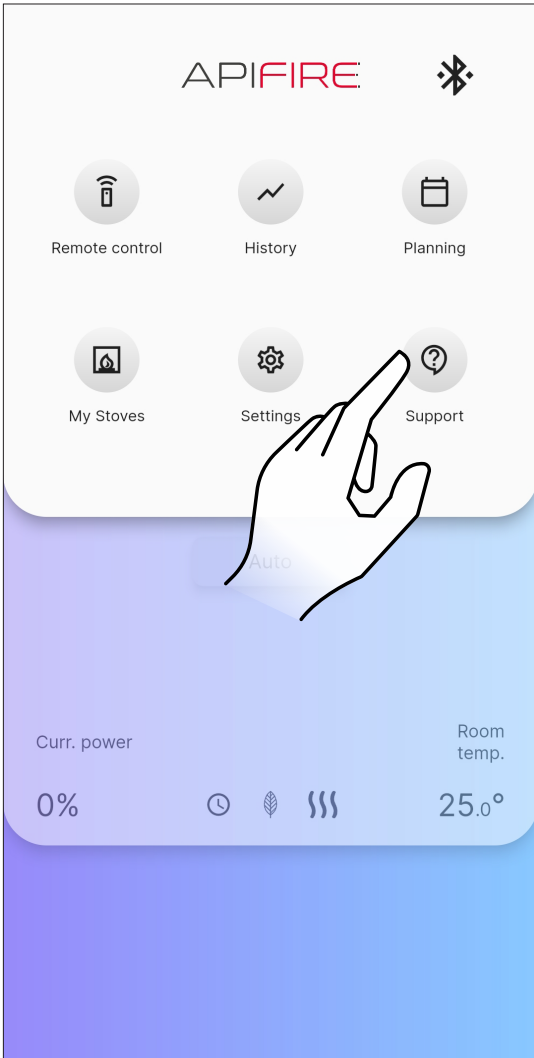


Fig. 94

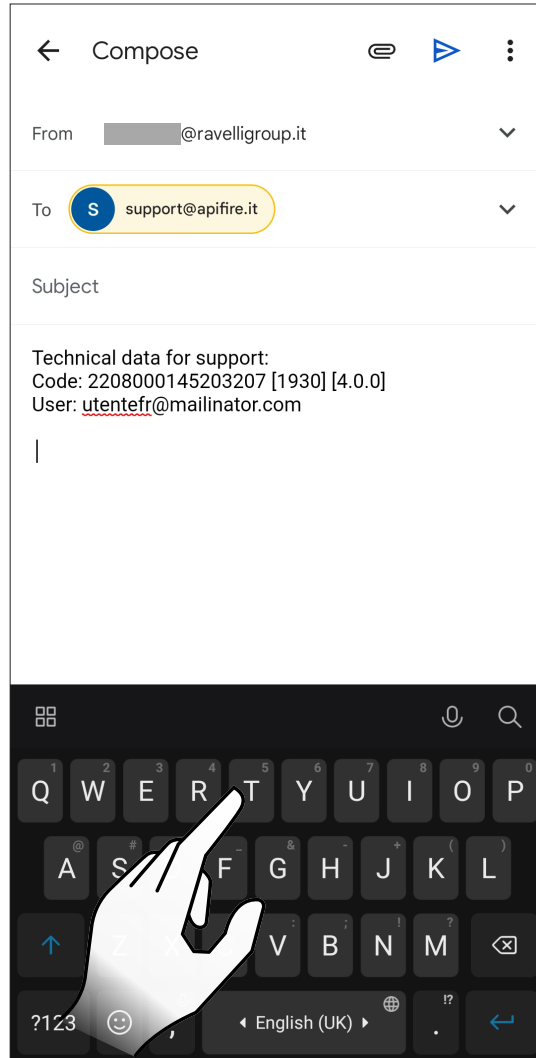



Fig. 95

USE

Switching on



Before each switching on, make sure that the ash drawer is not full and that it is in place.

Hold down the icon  for two seconds to start the appliance.

The words "Powering on..." will appear, and "Current state" will switch from "Off" to:

- Start - control 1
- Start - control 2
- Start
- Start - cleaning
- Start - loading
- Pause
- Start - phase 1
- Start - phase 2
- Start - stabilise
- Work

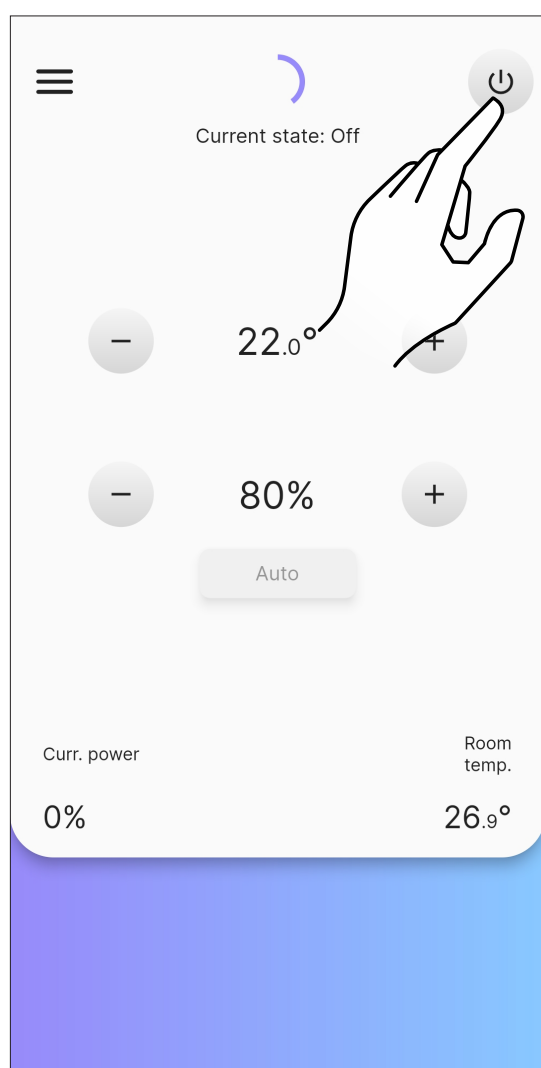


Fig. 96

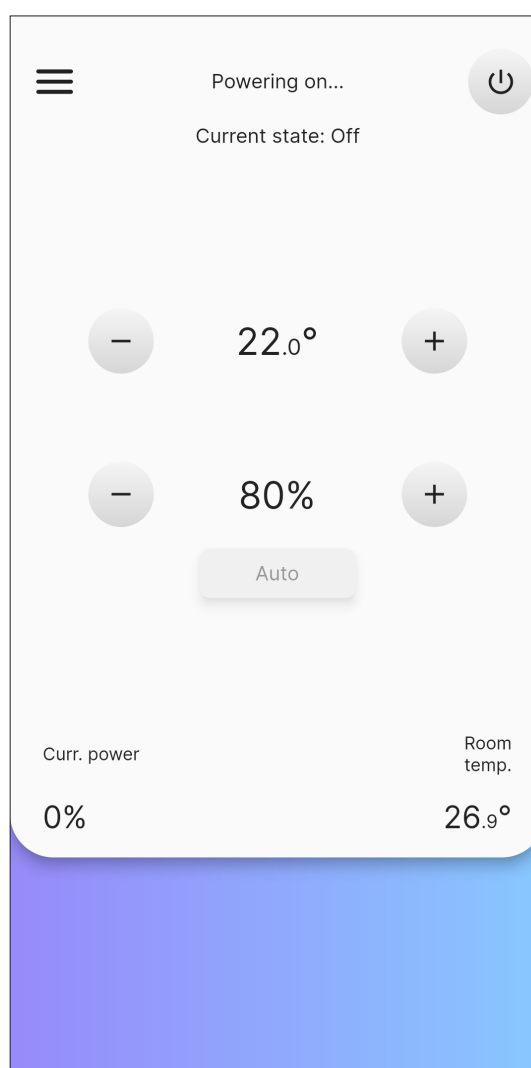


Fig. 97

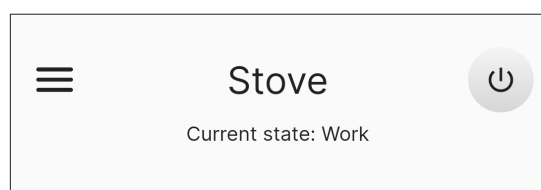





Fig. 98



- 
Automatic switching on: the appliance is equipped with an automatic device that switches on the pellet without using other igniters.
- 
Avoid switching the appliance on manually if the automatic switching on system is compromised.
- 
The first time the appliance is switched on, unpleasant odours or smoke can be generated due to the evaporation or drying of some of the manufacturing materials. This will gradually disappear. During the first few uses, we recommend ventilating the rooms well.

“Sealed” appliances

Every time the firebox door and/or pellet hopper are opened, avoid leaving them open for long periods of time to prevent the system from notifying the status of open door and/or open hopper.

Setting the room temperature

By changing this value you define the temperature that you want to achieve in the room, read directly by a probe installed on the appliance.

To change the temperature value, press  or  .

The settable values range from 5°C to 40°C.

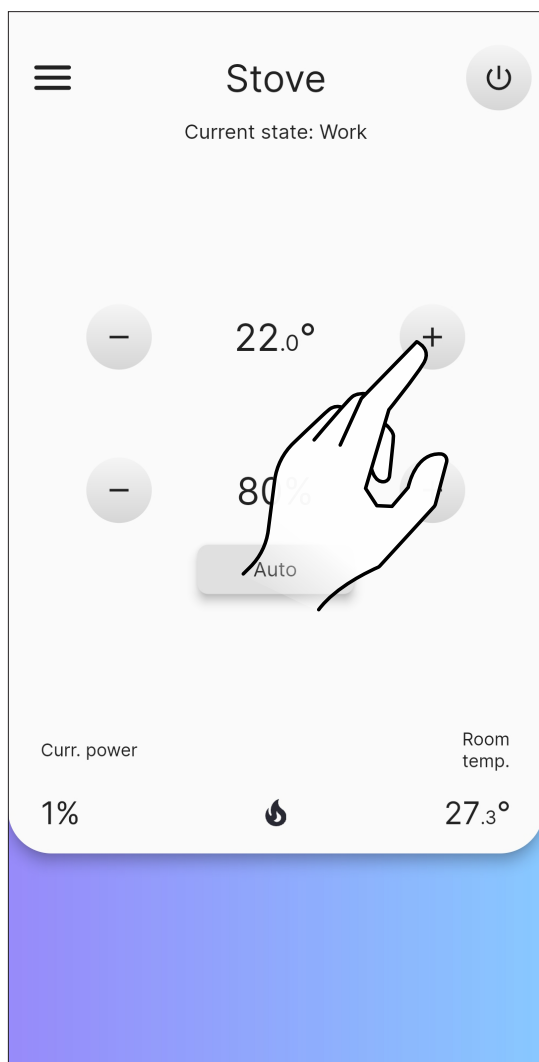




Fig. 99

Setting the power

The power defines the amount of heat produced by the appliance and therefore indirectly also affects consumption. To edit the power value press icons  or : the settable values go from 1% (minimum) to 100% (maximum).

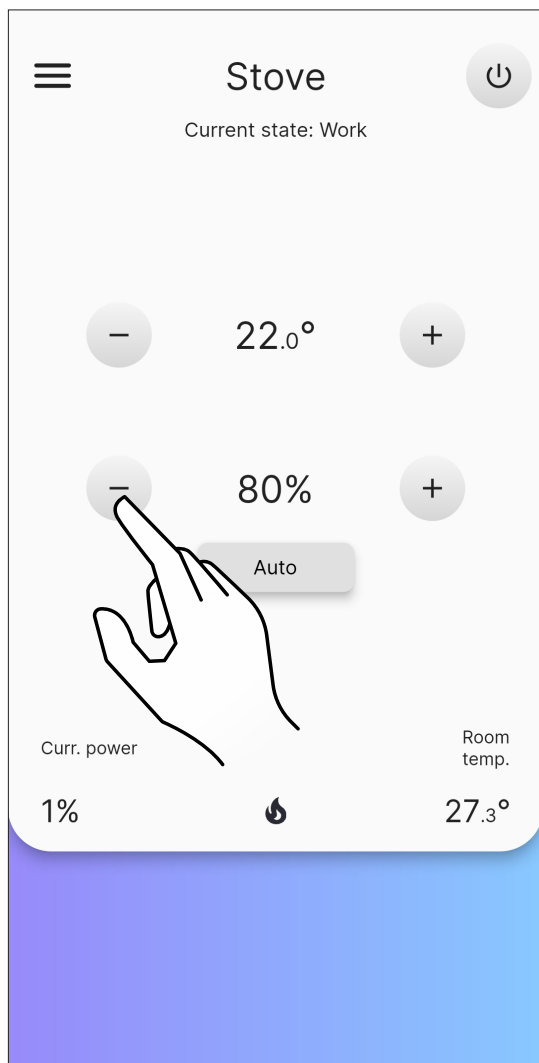


Fig. 100


Setting the parameters

It is possible to change some of the operating parameters according to the "Settings Menu" chapter.



For a new switching on, we recommend waiting for the appliance to cool down completely.

Shut-off

Hold down the icon  for two seconds to stop the appliance.

The words "Shutting down..." will appear, and "Current state" will switch from "Work" to:

- Shutdown
- Cooling
- Off

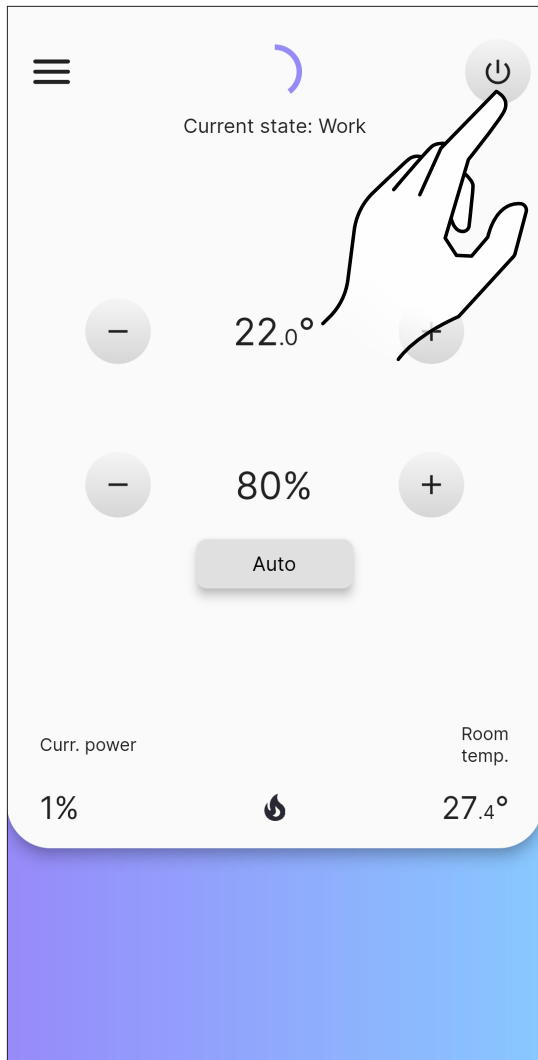


Fig. 101

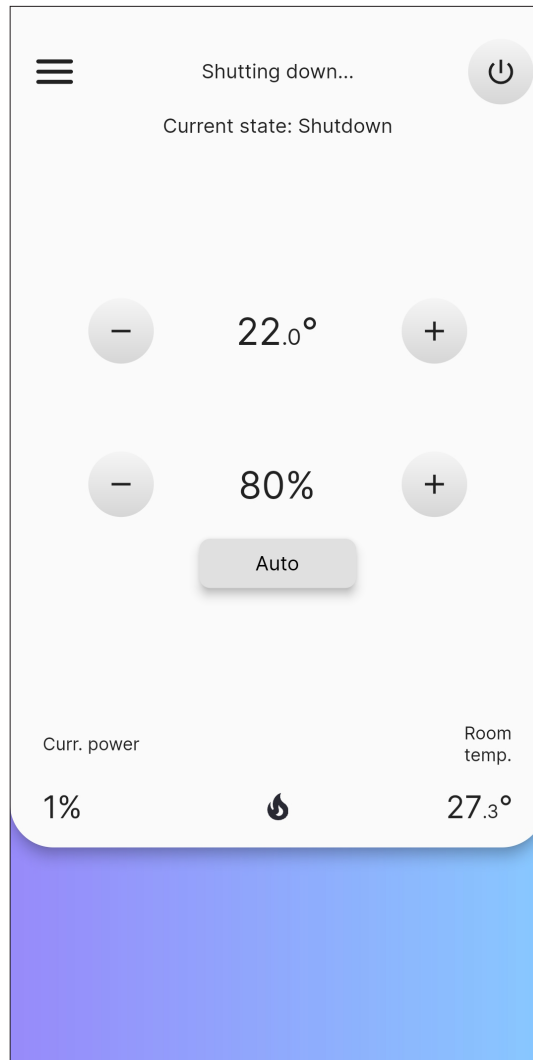


Fig. 102

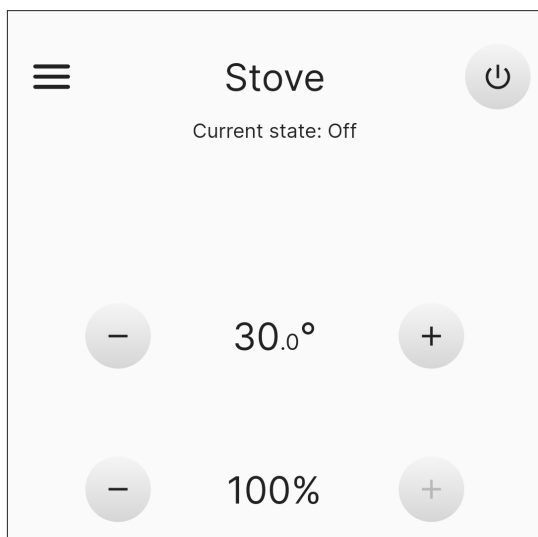


Fig. 103



The set values will apply until the next variation, also with the appliance switched off or disconnected from the electrical power supply.



We recommend switching off the appliance strictly following the above. It is forbidden to turn the appliance off by switching off the power supply.

Turning it back on after a blackout

If the power goes out briefly, the appliance will automatically switch back on, checking the safety conditions when the power comes back. If a prolonged interruption occurs, however, the appliance will remain off with a blackout warning.

Operation with room probe on board the stove

The appliance can be switched on/off manually or programmed.

The appliance modulates the power (Auto) based on the room temperature read by the on-board probe (it tries to maintain the desired temperature by consuming as little as possible).

ANOMALIES AND POSSIBLE REMEDIES

When an operating anomaly happens, an audible alarm sounds (beep) and the possible cause appears in the application with a brief description.

The errors are divided into:

- **Warning:** simple warning that do not stop appliance operation (in some cases it can limit it). They are reset automatically once the cause that generated them has been removed or has stopped
- **Error:** errors that stop operation. The appliance switches off. The cause of the alarm message needs to be resolved before turning the appliance back on again.
- **Critical:** errors that stop operation. The appliance switches off. It is necessary to request the intervention of the Assistance Centre.

Warning

Example of what a warning looks like.

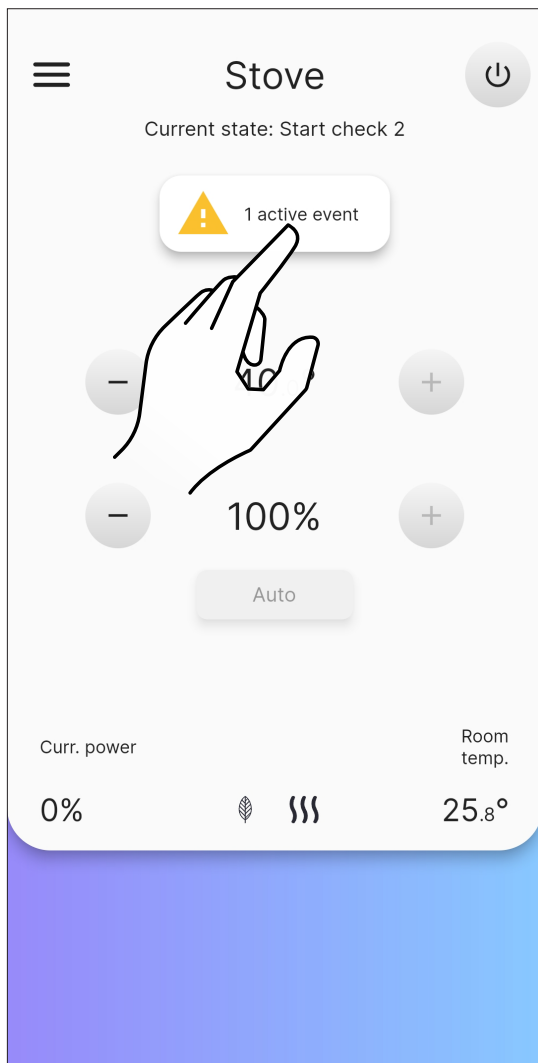


Fig. 104

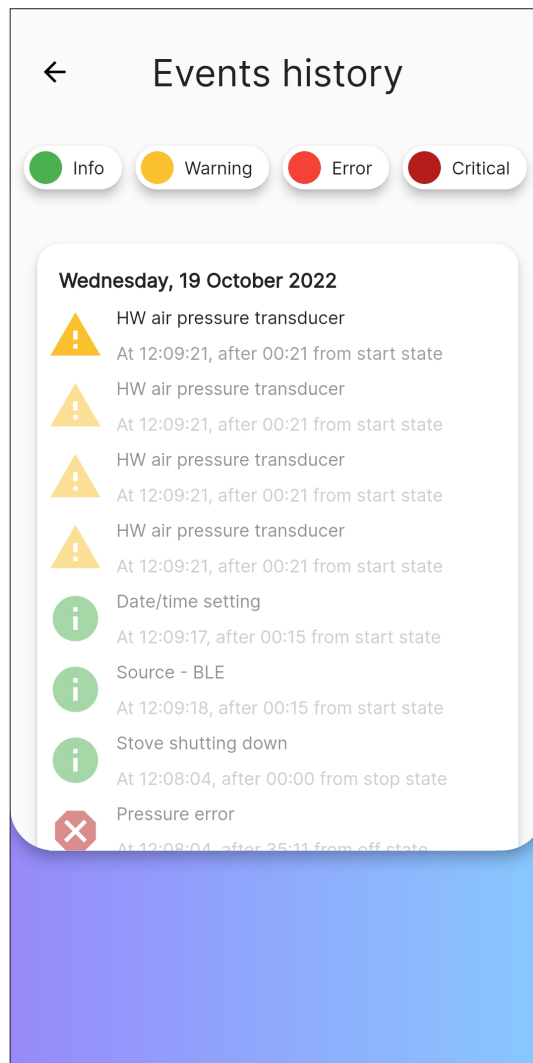


Fig. 105

Error

Example of what an error looks like.

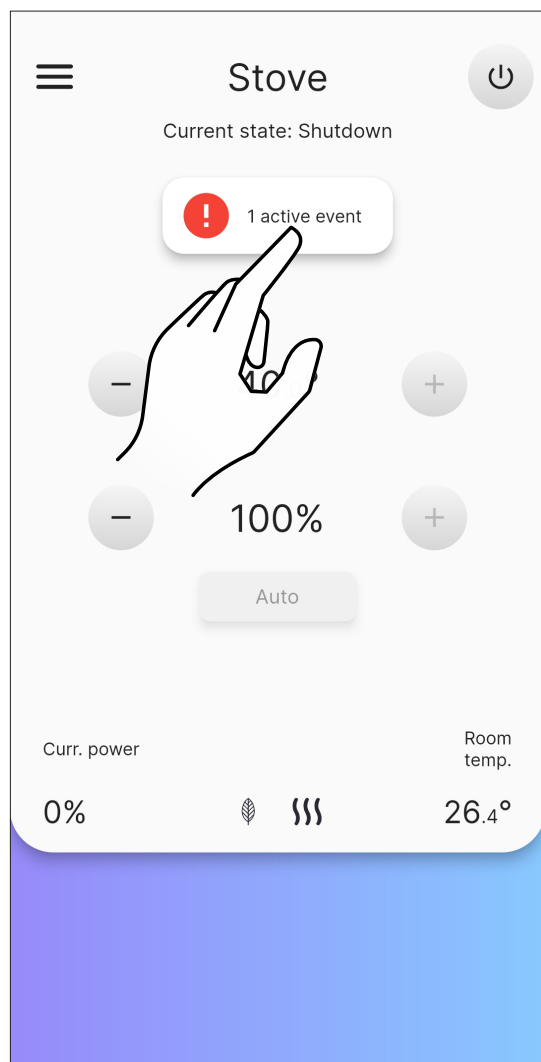


Fig. 106

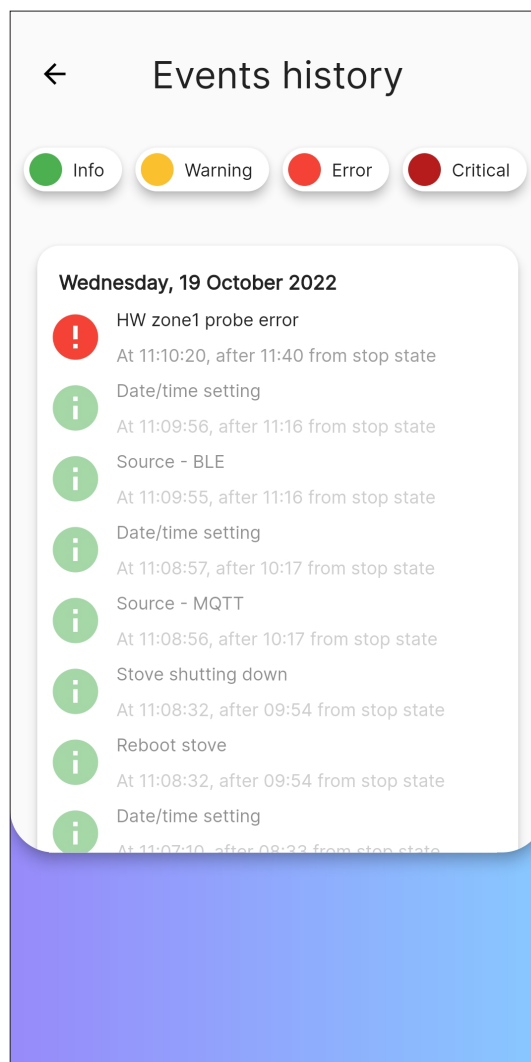


Fig. 107

Critical

Example of what a criticality looks like.

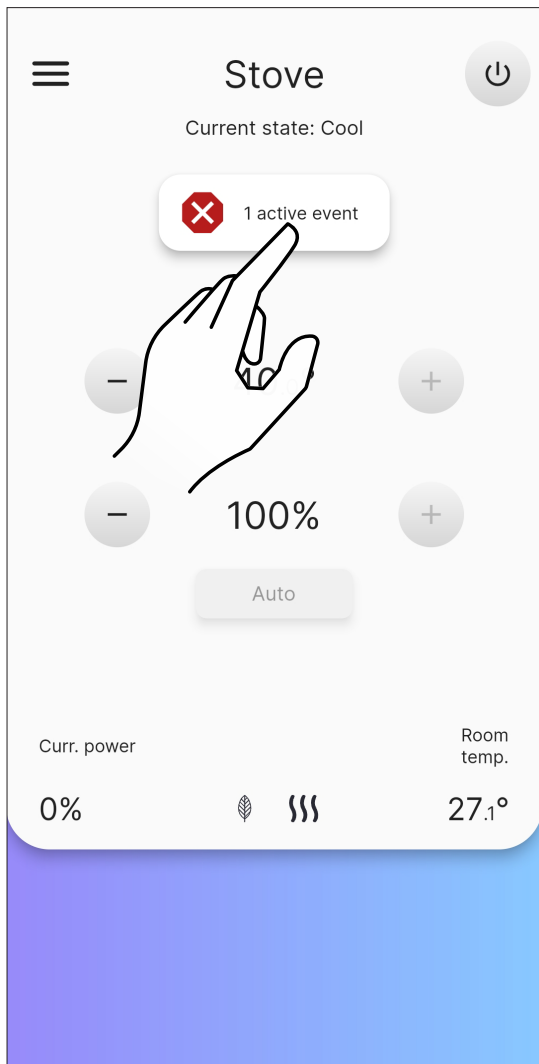


Fig. 108

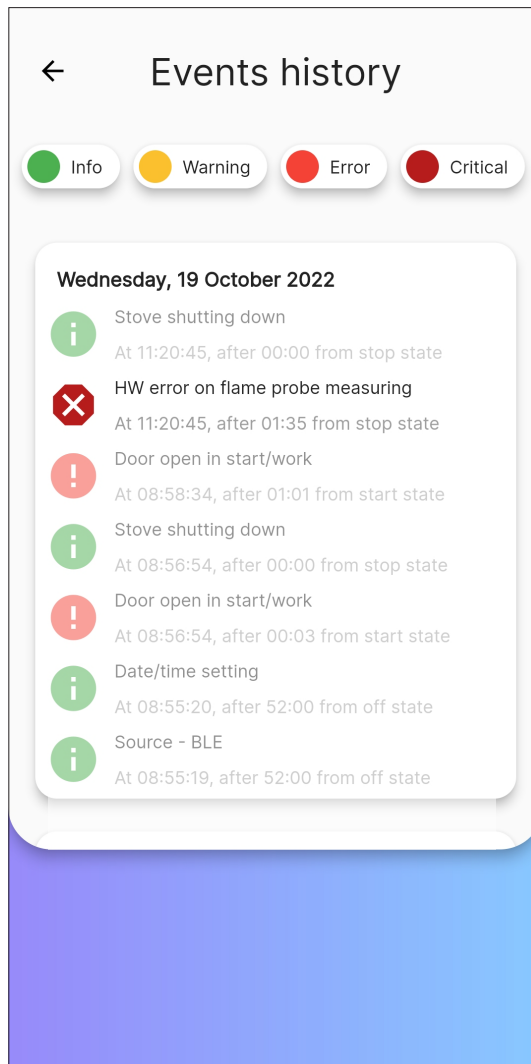


Fig. 109

Outlining table of possible anomalies

Type	Displayed text	Reason	Possible solutions
Warning	Air pressure transducer HW error (AL 14)	No or incorrect connection of the pressure outlets	Check the connection of the pressure outlets
	High flue gas temperature warning (AL 40)	Over-temperature read by the flue gas probe	Switch off and on again. Seek the Assistance Service if the problem continues
	High board temperature warning (AL 41)	Over-temperature read by the probe inside the board	Check that the air passages on the back of the appliance are not obstructed
	Maintenance request warning (AL 46)	Appliance maintenance period due date	Program the next maintenance

Type	Displayed text	Reason	Possible solutions	
Error	HW error room probe 1(AL 04)	Faulty or blown probe	Seek Assistance Service	
	HW error smoke extractor motor (AL 16)	Smoke extractor motor faulty or not working		
	HW error auger motor (AL 17)	Auger motor faulty or not working		
	Switching on start-up failure 1 (AL 23)	Pellet hopper empty	Switch it on again or seek the Assistance Service if the problem continues	
		Pellet calibration and suction during switch-on is inappropriate		
		The switch-on resistor is defective or not in position		
	Incorrect reading of flue gas probe and/or chamber probe			
	Switching on start-up failure 2 (AL 24)	Pellet calibration and suction during switch-on is inappropriate	Switch it on again or seek the Assistance Service if the problem continues	
		The switch-on resistor is defective or not in position		
		Incorrect reading of flue gas probe and/or chamber probe		
	No stabilisation (AL 25)	Pellet calibration and suction during switch-on is inappropriate		Switch it on again or seek the Assistance Service if the problem continues
		Incorrect reading of flue gas probe and/or chamber probe		
	No flame during operation (AL 26)	Pellet hopper empty	Switch it on again or seek the Assistance Service if the problem continues	
		Incorrect reading of flue gas probe and/or chamber probe		
No power during operation (AL 31)	Temporary blackout	Switch it on again or seek the Assistance Service if the problem continues		
Main door opening during start up/work (AL 32)	Door, drawer or pellet door were left open			
No pellet (AL 33)	Pellet hopper empty			
HW alarm no auger power supply (AL 49)	No auger power supply			
HW error cleaner motor (AL 50)	Cleaner motor faulty or not working	Seek Assistance Service		
Critical	Pellet hopper overtemperature alarm (AL 01)	Automatic re-arming thermostat connected to the hopper has tripped	Seek Assistance Service	
	Board overtemperature (AL 03)	The maximum temperature allowed for the board has been exceeded		
	HW error flue gas probe (AL 07)	Faulty or blown probe		
	Smoke over-temperature (AL 19)	The maximum temperature allowed for the smoke has been exceeded		
	Air pressure controller error (AL 27)	The pressure switch is malfunctioning.		
	Unexpected air flow rate (AL 30)	Incoherent air flow rate reading		

CONTROL PANEL

On the back of the stove there is a simple control panel to perform the basic operations.

Description

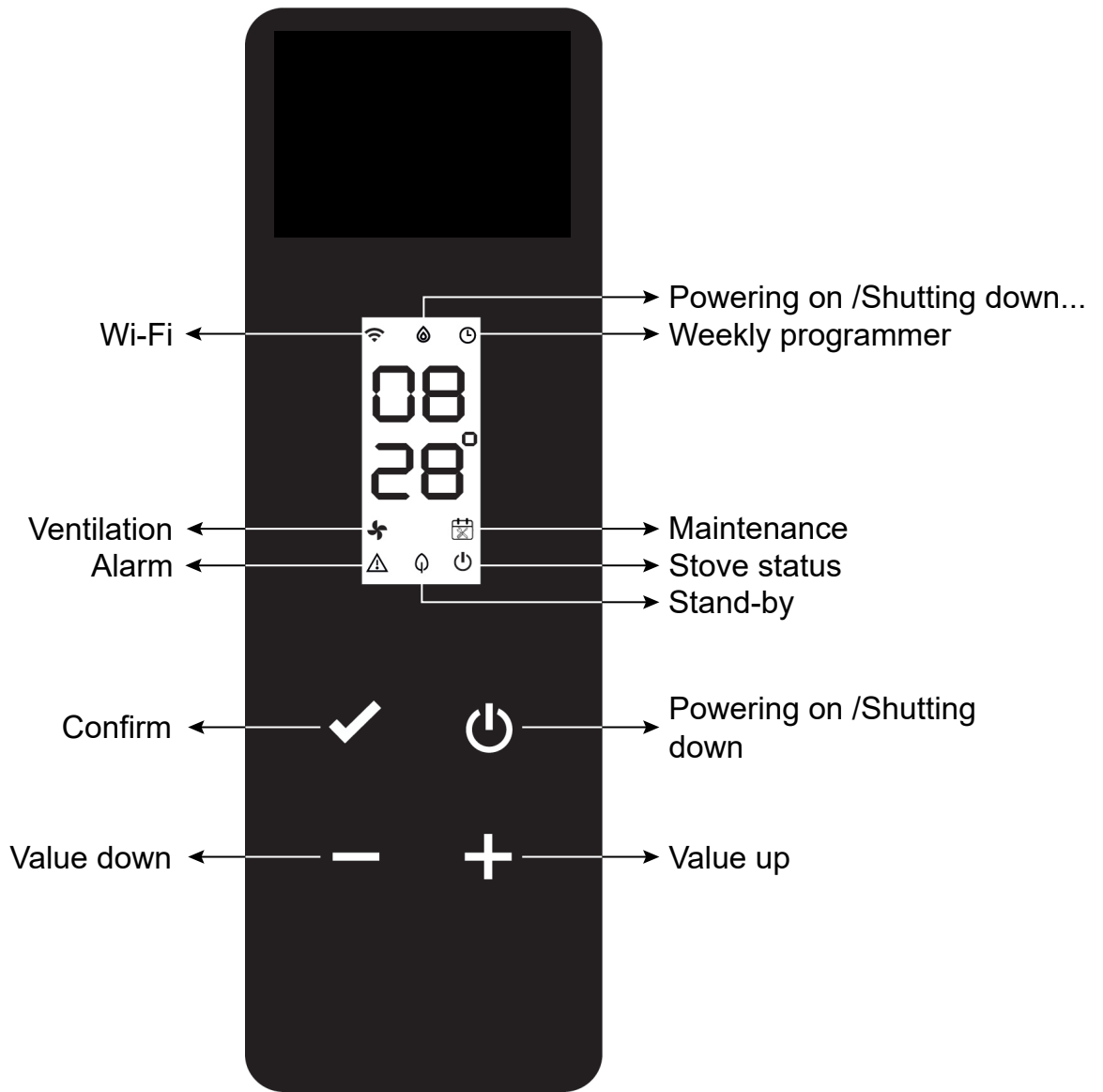










Fig. 110













Status views

Icon	Status	Description
	On	Valid connection to the Cloud service, with indication of signal quality
	Increasing animation	Wi-Fi connecting or invalid Wi-Fi parameters
	Off	Wi-Fi parameters not entered
	Off	Stove off
	Switching on animation	Stove in switching on phase
	Switching off animation	Stove in automatic switching off phase
	Flashing	Stove in test phase or warm start request needs confirming
	On	Stable flame and stove in work
	On	Weekly programmer on and active
	Flashing	Switching on/Switching off from weekly programmer intervention
	Quick flashing	Weekly programmer not set correctly
	On	Tangential fan active on zone 1
	On	Technical intervention requested due to expired scheduled maintenance threshold
	Flashing	Stove in test mode
	Flashing	Stove in alarm (the relative alarm code will appear*)
	On	Stand-by function enabled
	Flashing	Powering on /Shutting down if stand-by active
	Off	Stove off
	On	Stove on


* See outlining table of possible anomalies

Possible operations

The following operations are possible from the home page:

Icon	Pressure	View/setting	Values
	Short	View current time	
	Long	Stove on/off (in normal operation and/or for restart after a fault)	on, oFF
	Long	Enter the user menu	See "User menu" paragraph
	Short	Desired zone 1 temperature setting using keys  or 	Default: 20 °C Minimum: 0 °C Maximum: 40 °C
		Auto/manual mode setting (if thermostat active) using keys  or 	F Aut, F nor
	Short	Stove power setting using keys  or 	Default: P 100 Minimum: P 1 Maximum: P 100
 	Long	Start preload cycle (if stove on off, no alarms)	LoAd

Control panel user menu

After pressing the  key the following items will appear in ascending order and it will be possible to edit them:




Description	Values
Enable weekly programmer	P on, P oFF
Auto/manual mode setting	F Aut, F nor
Pellet type setting	from PL -5 to PL 5
Enable stand-by function	S on, S oFF
Enable thermostat infeed	t on, t oFF



After waiting 10 seconds from the last key to be pressed, the display will go back to the main page without saving any changes.

MAINTENANCE

Safety warnings for maintenance

-  Maintenance of the stove must be performed at least once a year and should be planned in advance with the Technical Assistance Service.
-  In some conditions, such as turning the stove on and off or inappropriate use, the combustion products can contain small soot particles that build up in the smoke evacuation system. This can reduce the cross-section of the smoke duct and pose a fire risk. The smoke evacuation system must be inspected and cleaned at least once a year.
-  The maintenance operations must be carried out when the stove is cold and with the electrical power supply disconnected.

Before completing any maintenance operation, adopt the following precautions:

- Make sure that all stove parts are cold.
- Make sure that the ashes are completely cold.
- Always operate with equipment that is appropriate for maintenance.
- When maintenance is finished, re-install all of the dis-assembled parts before restarting operation.



The quality of the pellet, the stove operating mode and combustion control can affect maintenance activity frequency.

Cleaning



Perform the cleaning operations so as to guarantee correct stove operation.

The table below lists the necessary cleaning operations required for correct stove operation.

Parts / frequency	2-3 Days	30 Days	60/90 Days
Ash drawer		•	
Glass	•		
Combustion chamber		•	
Pellet tank		•	
Extraction duct			•

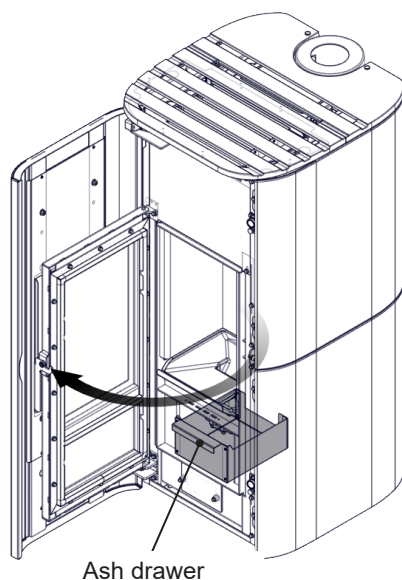


It is recommended in the early periods of use of the stove, or of a new type of pellet, to carry out cleaning operations frequently, so as to be able to assess the exact frequency of intervention.

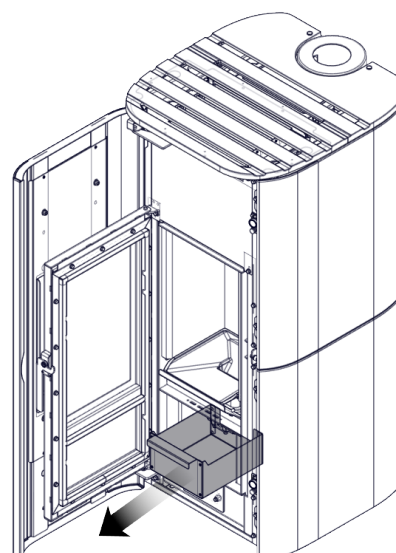
Cleaning the ash drawer

The ash drawer must be cleaned every 30 days, (depending on the amount of time the stove is used and what type of pellet is used). To clean the ash drawer, proceed as follows.

1



2



Glass cleaning

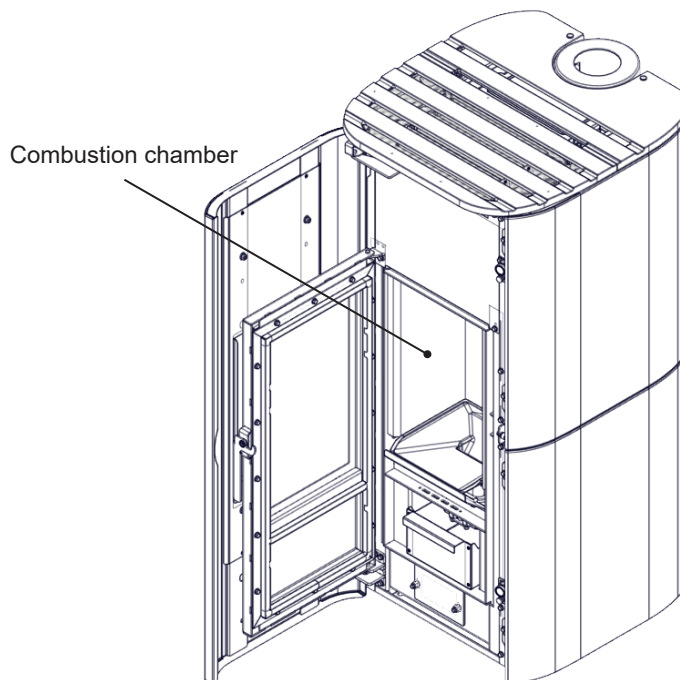
With a cold stove, clean the glass with a cloth and glass cleaner.

Note: there are stove glass cleaning products available on the market.

Combustion chamber cleaning

To clean the ash drawer, proceed as follows:

Step	Action
1	Vacuum the combustion chamber every day using a bin ash vacuum, making sure that the ashes are completely cold.


Cleaning the pellet tank




To clean the pellet tank, proceed as follows:

Step	Action
1	Periodically remove the wood sawdust accumulated on the bottom of the tank, using a vacuum cleaner.

Extraction duct cleaning

Periodically check that the extraction duct is free from obstructions (dust, animal hair ...) and remove them if necessary.


Extraordinary maintenance

-  Maintenance operations must be carried out with the stove cold and with the power supply disconnected.
-  Extraordinary maintenance activities must be carried out by staff from the Authorised Assistance Centre.
-  Do not wait for components to be deteriorated by use before proceeding with their replacement. Replace a worn component before it is completely broken to prevent any damage caused by sudden component breakage.

Parts / frequency	1 Season
Deep combustion chamber cleaning	•
Door gasket	•
Chimney	•
Smoke conduit	•

Schedule the above extraordinary maintenance activities with the Authorised Assistance Centre.

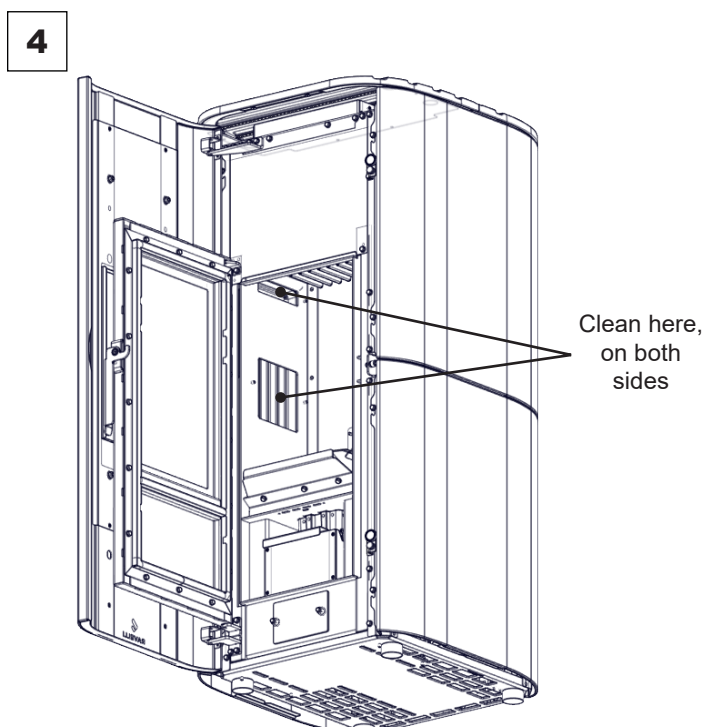
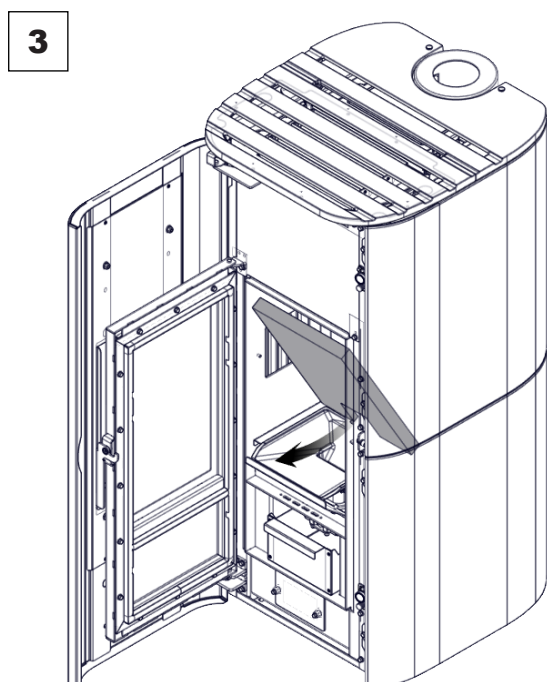
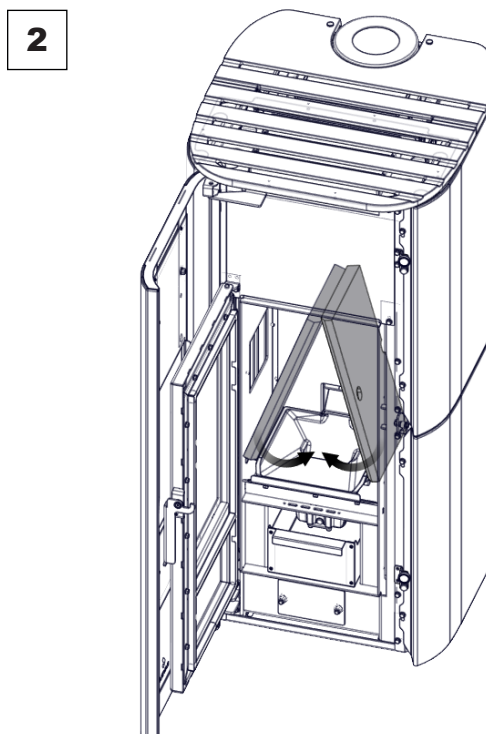
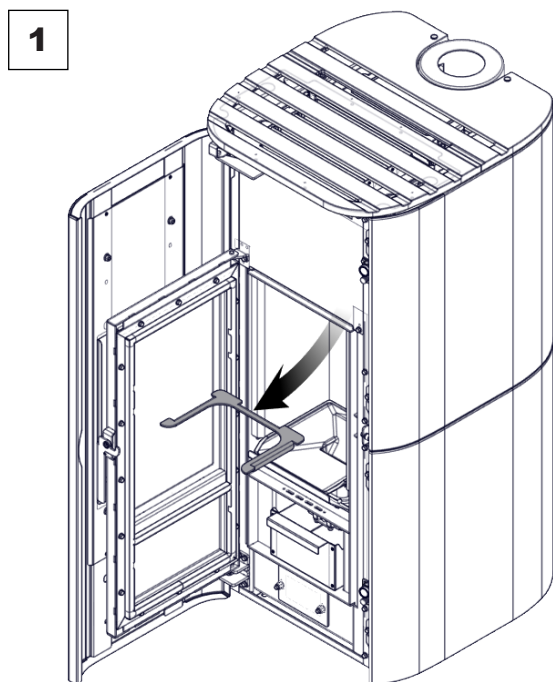
Deep combustion chamber cleaning

 This operation must be carried out by a Ravelli Assistance Centre.

 Schedule this type of cleaning with the Ravelli Assistance Centre.

To clean the combustion chamber, proceed as described below:

After cleaning the combustion chamber, it is advisable to proceed with the cleaning of the inspection hatches as indicated in the paragraph "Smoke duct cleaning".



Checking the seals



This operation must be carried out by a Ravelli Service Centre. Plan this type of cleaning with the Ravelli Service Centre.

When thoroughly cleaning the stove, the authorised technician must check that the gaskets of

- port
- hatches

are intact. If not, they will have to be replaced.

Smoke conduit cleaning



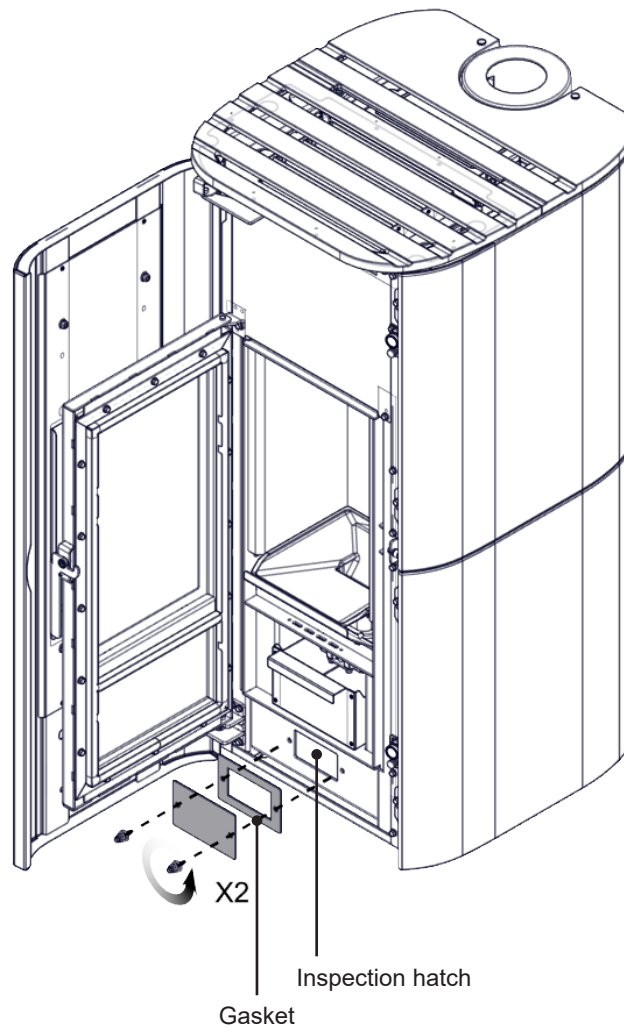
This operation must be carried out by a Ravelli Assistance Centre. Schedule this type of cleaning with the Ravelli Assistance Centre.

The stove is equipped with some hatches for cleaning the internal smoke ducts.

To clean the smoke ducts, proceed as described below:

Step	Action
1	Remove the side panel and vermiculites (see previous paragraph)
2	Open the lower hatches
3	Clean the ashes, eventually use a brush or similar and reassemble everything. Note: the hatches are equipped with gaskets, therefore, before reassembling them, make sure that the gaskets are not worn.

Note: The operation must be carried out when the stove is cold, using an ash vacuum cleaner.

1


TROUBLESHOOTING

The appliance does not work

- Closely follow the directions in the dedicated chapter of this manual;
- make sure that the air intake duct is not obstructed;
- make sure that the smoke evacuation system is clean and not obstructed;
- make sure the chimney is sized for the appliance power;
- make sure that the air intake in the room is clear of any obstructions and that there are no other combustion appliances or extraction hoods that create a vacuum in the room;

Difficult lighting

- Closely follow the directions in the dedicated chapter of this manual;
- make sure that the air intake duct is not obstructed;
- make sure that the smoke evacuation system is clean and not obstructed;
- make sure the chimney is sized for the appliance power;
- make sure that the air intake in the room is clear of any obstructions and that there are no other combustion appliances or extraction hoods creating a vacuum in the room.

Smoke leakage

- Check the draught of the chimney;
- check whether the seals on the door, drawer and smoke evacuation system are intact;
- make sure there is no ash obstructing the primary air flow grille.

The glass gets dirty easily

- Only use recommended fuels;
- check the draught of the chimney.

Downtime (end of season)

At the end of every season we recommend vacuuming out any ash and dust that may still be inside. It is advisable to let the pellets burn out in the tank so that the pellet remains and sawdust can be vacuumed from the bottom and from the screw.

Disconnect the appliance from the power supply.

With thermo-stove or boiler, it is not necessary to empty it of water, but it is advisable to close the shut-off valves at the inlet and outlet for prolonged downtime.

DISPOSAL AT END OF SERVICE LIFE

Warnings for the correct disposal of the product

Demolition and disposal of the appliance is under the exclusive liability and responsibility of the owner who must do so in accordance with the laws in force in the country of installation pertaining to safety, respect and protection of the environment.

At the end of its service life, the product must not be disposed of as household waste. It can be taken to designated separate waste collection centres run by local administrations or to dealers who offer this service.

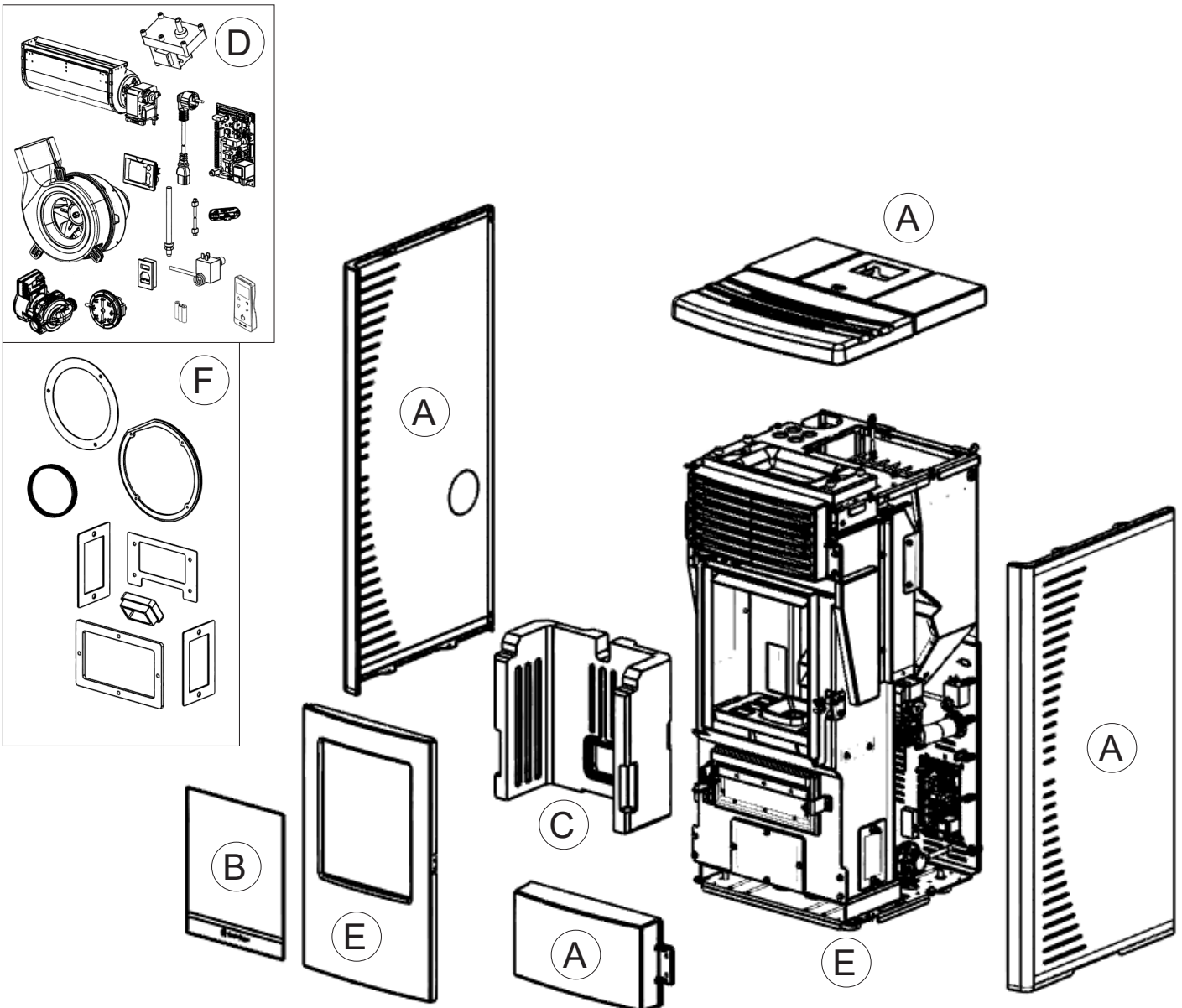
Disposing of the product as sorted waste avoids any negative consequences on the environment and health deriving from unsuitable disposal and it recovers the materials that the stove is composed of in order to save considerable energy and resources.

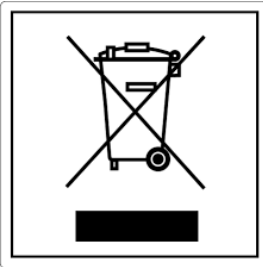
The following table and relative exploded view (image for illustrative purposes only) to which it refers, highlights the main parts that can be found in the device and the instructions for their correct separation and disposal at the end of their service life.

In particular, electric and electronic parts must be separated and disposed of at centres authorised for such activities, pursuant to directive WEEE 2012/19/EU and its national transpositions.

A EXTERNAL CLADDING	If present, dispose of it according to the material it is made of: - Metal - Glass - Tiles or ceramic - Stone - Wood
B DOOR GLAZING	If present, dispose of it according to the material it is made of: - Glass-ceramics (fire door): dispose of with inert or mixed waste - Tempered glass (oven door): dispose of in glass
C INTERNAL CLADDING	If present, dispose of it according to the material it is made of: - Metal - Refractory materials - Insulation panels - Vermiculite - Insulation, vermiculite and refractory materials that come into contact with the flame or exhaust gases (dispose of in mixed waste)

<p>D ELECTRICAL AND ELECTRONIC COMPONENTS</p>	<ul style="list-style-type: none"> - Cables - Motors - Fans - Circulators - Displays - Sensors - Spark plugs - Electronic boards - Batteries <p>Dispose of separately at authorised centres, in accordance with WEEE 2012/19/EU and its national transposition</p>
<p>E METAL STRUCTURE</p>	<p>Dispose of separately in metal</p>
<p>F NON-RECYCLABLE COMPONENTS</p>	<ul style="list-style-type: none"> - Gaskets - Rubber, silicone or fibre hoses, plastics <p>Dispose of in mixed waste</p>





ITA-Informationi per la gestione di rifiuti di apparecchiature elettriche ed elettroniche contenenti pile e accumulatori

Questo simbolo che appare sul prodotto, sulle pile, sugli accumulatori oppure sulla loro confezione o sulla loro documentazione, indica che il prodotto e le pile o gli accumulatori inclusi al termine del ciclo di vita utile non devono essere raccolti, recuperati o smaltiti assieme ai rifiuti domestici.

Una gestione impropria dei rifiuti di apparecchiature elettriche ed elettroniche, di pile o accumulatori può causare il rilascio di sostanze pericolose contenute nei prodotti. Allo scopo di evitare eventuali danni all'ambiente o alla salute, si invita l'utilizzatore a separare questa apparecchiatura, e/o le pile o accumulatori inclusi, da altri tipi di rifiuti e di consegnarla al centro comunale di raccolta. È possibile richiedere al distributore il ritiro del rifiuto di apparecchiatura elettrica ed elettronica alle condizioni e secondo le modalità previste dal D.Lgs. 49/2014.

La raccolta separata e il corretto trattamento delle apparecchiature elettriche ed elettroniche, delle pile e degli accumulatori favoriscono la conservazione delle risorse naturali, il rispetto dell'ambiente e assicurano la tutela

della salute.

Per ulteriori informazioni sui centri di raccolta dei rifiuti di apparecchiature elettriche ed elettroniche, di pile e accumulatori è necessario rivolgersi alle Autorità pubbliche competenti al rilascio delle autorizzazioni.

ENG-Information for management of electric and electronic appliance waste containing batteries or accumulators

This symbol, which is used on the product, batteries, accumulators or on the packaging or documents, means that at the end of its useful life, this product, the batteries and the accumulators included must not be collected, recycled or disposed of together with domestic waste.

Improper management of electric or electronic waste or batteries or accumulators can lead to the leakage of hazardous substances contained in the product. For the purpose of preventing damage to health or the environment, users are kindly asked to separate this equipment and/or batteries or accumulators included from other types of waste and to arrange for disposal by the municipal waste service. It is possible to ask your local dealer to collect the waste electric or electronic appliance under the conditions and following the methods provided by national laws transposing the Directive 2012/19/EU.

Separate waste collection and recycling of unused electric and electronic equipment, batteries and accumulators helps to save natural resources and to guarantee that this waste is processed in a manner that is safe for health and the environment.

For more information about how to collect electric and electronic equipment and appliances, batteries and accumulators, please contact your local Council or Public Authority competent to issue the relevant permits.

FRA-Informations relatives à la gestion des déchets d'appareils électriques et électroniques contenant des piles et des accumulateurs

Ce symbole présent sur le produit, sur les piles, sur les accumulateurs, sur l'emballage ou sur la documentation de référence, indique que le produit et les piles ou les accumulateurs ne doivent pas être collectés, récupérés ou éliminés avec les déchets domestiques au terme de leur vie utile.

Une gestion improprie des déchets d'équipements électriques et électroniques, des piles ou des accumulateurs peut causer la libération de substances dangereuses contenues dans les produits. Pour éviter d'éventuelles atteintes à l'environnement ou à la santé, on invite l'utilisateur à séparer cet appareil, et / ou les piles ou les accumulateurs, des autres types de déchets et de le confier au service municipal de collecte. On peut demander au distributeur de prélever le déchet d'appareil électrique ou électronique aux conditions et suivant les modalités prévues par les normes nationales de transposition de la Directive 2012/19/UE.

La collecte sélective et le traitement correct des appareils électriques et électroniques, des piles et des accumulateurs, favorisent la conservation des ressources naturelles, le respect de l'environnement et assurent la protection de la santé.

Pour tout renseignement complémentaire sur les modalités de collecte des déchets d'appareils électriques et électroniques, des piles et des accumulateurs, il faut s'adresser aux Communes ou aux Autorités publiques compétentes pour la délivrance des autorisations.

NLD-Informatie voor het beheer van afgedankte elektrische en elektronische apparatuur die batterijen en accu's bevat

Dit symbool, dat op het product, op batterijen, op accu's, op de verpakking of in de documentatie ervan staat, geeft aan dat het product en de batterijen of accu's aan het einde van de gebruiksduur niet samen met het huishoudelijke afval mogen worden ingezameld of verwijderd.

Een onjuist beheer van afgedankte elektrische en elektronische apparatuur, batterijen of accu's kan leiden tot het vrijkomen van gevaarlijke stoffen in de producten. Om schade aan het milieu of aan de gezondheid te voorkomen, wordt de gebruiker aangemoedigd om deze apparatuur en/of de meegeleverde batterijen of accu's van andere soorten afval te scheiden en af te leveren aan de gemeentelijke ophaaldienst. Het is mogelijk om de distributeur te vragen om de afvalinzameling van elektrische en elektronische apparatuur uit te voeren volgens de voorwaarden en de voorschriften die zijn vastgelegd in de nationale bepalingen ter uitvoering van Richtlijn 2012/19/EU.

De gescheiden inzameling en correcte behandeling van elektrische en elektronische apparatuur, batterijen en accu's bevorderen het behoud van natuurlijke hulpbronnen, respect voor het milieu en zorgen voor de bescherming van de gezondheid.

Voor meer informatie over de inzameling van afgedankte elektrische en elektronische apparatuur, batterijen en accu's is het noodzakelijk om contact op te nemen met de gemeenten of de bevoegde overheidsinstanties.

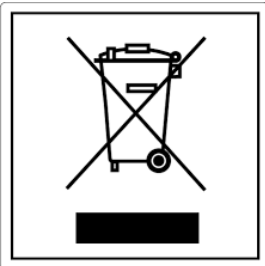
DEU-Informationen für die Entsorgung von elektrischen und elektronischen Altgeräten, die Batterien und Akkus enthalten

Dieses Symbol auf dem Produkt, auf den Batterien, auf den Akkus, auf deren Verpackung oder in deren Unterlagen weist darauf hin, dass das Produkt und die Batterien oder Akkus am Ende ihrer Lebensdauer nicht zusammen mit dem normalen Hausmüll gesammelt, verwertet oder entsorgt werden dürfen.

Eine unsachgemäße Entsorgung von elektrischen und elektronischen Altgeräten, sowie von Batterien oder Akkus kann zur Freisetzung gefährlicher Stoffe im Produkt führen. Um mögliche Umwelt- oder Gesundheitsschäden zu vermeiden, wird der Benutzer aufgefordert, dieses Gerät bzw. die Batterien oder Akkus von anderen Abfallarten zu trennen und der kommunalen Sammelstelle zu übergeben. Außerdem ist es möglich, den Händler um die Rücknahme der elektrischen und elektronischen Altgeräte unter den in den nationalen Vorschriften zur Umsetzung der Richtlinie 2012/19/EU vorgesehenen Bedingungen zu bitten.

Die getrennte Sammlung und die ordnungsgemäße Verwertung von elektrischen und elektronischen Altgeräten, Batterien und Akkus fördert die Erhaltung der natürlichen Ressourcen, respektiert die Umwelt und gewährleistet den Schutz der Gesundheit.

Für weitere Informationen zur Sammlung von elektrischen und elektronischen Altgeräten, Batterien und Akkus wenden Sie sich bitte an die für die Erteilung von Genehmigungen zuständigen Kommunen oder Behörden.



ESP-Información para la gestión de residuos de aparatos eléctricos y electrónicos con pilas y acumuladores

Este símbolo que aparece en el producto, en las pilas, los acumuladores o en su embalaje o su documentación indica que el producto y las pilas o acumuladores que contiene, al final de su vida útil, no deben recogerse, recuperarse o desecharse junto con los residuos domésticos.

Una gestión inadecuada de los residuos de aparatos eléctricos y electrónicos, pilas o acumuladores podría provocar la liberación de sustancias peligrosas contenidas en los productos. Para evitar posibles daños para el medio ambiente o la salud, se recomienda al usuario que separe este aparato y/o las pilas o acumuladores que contiene de otros tipos de residuos y lo entregue al servicio municipal encargado de la recogida. Se puede solicitar al distribuidor la recogida de los residuos de aparatos eléctricos y electrónicos en las condiciones y de acuerdo con las modalidades establecidas por las normas nacionales de transposición de la Directiva 2012/19/UE.

La recogida diferenciada y el tratamiento correcto de los aparatos eléctricos y electrónicos, de las pilas y los acumuladores favorecen la conservación de los recursos naturales, el respeto del medio ambiente y garantizan la protección de la salud.

Para obtener más información sobre las modalidades de recogida de los residuos de aparatos eléctricos y electrónicos, de las pilas y los acumuladores es necesario acudir a los ayuntamientos o las autoridades públicas competentes para la concesión de autorizaciones.

PRT-Informações sobre a gestão dos resíduos de equipamentos elétricos e eletrônicos contendo pilhas e acumuladores

Este símbolo no produto, pilhas, acumuladores ou respetiva embalagem ou documentação indica que, no final do seu ciclo de vida útil, o produto e os acumuladores incluídos não devem ser recolhidos, recuperados nem eliminados conjuntamente com o lixo doméstico.

Uma gestão imprópria dos resíduos de equipamentos elétricos e eletrônicos, pilhas ou acumuladores pode causar a libertação de substâncias perigosas contidas nos produtos. A fim de evitar eventuais danos para o ambiente ou para a saúde, o utilizador é convidado a separar este equipamento e/ou pilhas ou acumuladores incluídos de outros tipos de resíduos e a depositá-los no serviço municipal de recolha de lixo. É possível requisitar a recolha dos resíduos de equipamentos elétricos e eletrônicos pelo distribuidor segundo as condições e modalidades previstas pelas normas nacionais de transposição da diretiva 2012/19/UE.

A recolha separada e o correto tratamento dos equipamentos elétricos e eletrônicos e respetivas pilhas e acumuladores favorecem a conservação dos recursos naturais, o respeito do ambiente e a proteção da saúde.

Para mais informações sobre as modalidades de recolha dos resíduos de equipamentos elétricos e eletrônicos, pilhas e acumuladores, dirija-se à sua Câmara Municipal ou à autoridade pública competente para a emissão das autorizações.

GRC-Πληροφορίες για τη διαχείριση αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού, μπαταριών και συσσωρευτών

Αυτό το σύμβολο που εμφανίζεται στο προϊόν, στις μπαταρίες, στους συσσωρευτές στη συσκευασία ή στα έγγραφα υποδεικνύει ότι το προϊόν στο τέλος της ωφέλιμης ζωής του δεν πρέπει να συλλέγεται, να ανασύρεται ή να απορρίπτεται με τα οικιακά απορρίμματα.

Ο ακατάλληλος χειρισμός των αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού, μπαταριών ή συσσωρευτών μπορεί να οδηγήσει στην απελευθέρωση επικίνδυνων ουσιών που περιέχονται στο προϊόν. Προκειμένου να αποφευχθεί τυχόν μόλυνση στο περιβάλλον ή ασθένεια, ο χρήστης ενθαρρύνεται να διαχωρίσει αυτόν τον εξοπλισμό ή/και τις μπαταρίες ή τους συσσωρευτές που περιλαμβάνονται από άλλα είδη αποβλήτων και να το παραδώσει στην υπηρεσία δημοτικών συλλογών. Είναι δυνατόν να ζητηθεί από τον διανομέα η συλλογή αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού που πρέπει να πραγματοποιηθεί σύμφωνα με τους όρους και με τις διαδικασίες που θεσπίζονται από τις εθνικές διατάξεις εφαρμογής της οδηγίας 2012/19/ΕΕ.

Η χωριστή συλλογή και η σωστή επεξεργασία ηλεκτρικού και ηλεκτρονικού εξοπλισμού, μπαταριών και συσσωρευτών ευνοούν τη διατήρηση των φυσικών πόρων, τον σεβασμό για το περιβάλλον και την προστασία της υγείας.

Για περισσότερες πληροφορίες σχετικά με τον τρόπο συλλογής των αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού, μπαταριών και συσσωρευτών είναι απαραίτητο να επικοινωνήσετε με τους δήμους ή τις δημόσιες αρχές που είναι αρμόδιες για την έκδοση των αδειών.

DNK-Informationer til behandling af affald fra elektriske og elektroniske udstyr der indeholder batterier og akkumulatorer

Dette symbol, der vises på produktet, på batterierne eller på akkumulatorerne, på indpakningen eller i dokumentationen, angiver at selve produkt, når dets levetid er opbrugt, ikke skal opsamles, genvindes eller bortskaffes sammen med normalt husholdningsaffald.

En ukorrekt behandling af affald fra elektriske eller elektroniske udstyr, af batterier og akkumulatorer, risikerer at udlede farlige stoffer indeholdt i produktet. For at forebygge ventuelle skader for miljøet eller sundheden, bedes brugeren om at behandle dette udstyr, og/eller de medfølgende batterier eller akkumulatorerne separat fra andre affaldstyper, og at levere det til det kommunale opsamlingscenter, eller at anmode leverandøren om opsamling, i henhold til forskrifterne, der er angivet i de nationale forordninger til gennemførelse af Direktivet 2012/19/EF.

Den separate opsamling og genvinding af de nedslidte elektriske og elektroniske udstyr, af batterierne og af akkumulatorerne, fremmer bevarelsen af de naturlige ressourcer, og sikrer at dette affald behandles ved at tage hensyn til miljøets og sundhedens varetagelse.

Til yderligere informationer angående opsamling af affald fra elektriske og elektroniske udstyr, af batterier og akkumulatorer, er det nødvendigt at rette henvendelse til Kommunerne eller til de ansvarlige myndigheder til udstedelse af bemyndigelserne.

POL-Informacje dotyczące zarządzania odpadami sprzętu elektrycznego i elektronicznego zawierającego baterie i akumulatory

Niniejszy symbol znajdujący się na produkcie, bateriach, akumulatorach, na ich opakowaniu lub na dokumentacji, wskazuje, że produkt, baterie lub akumulatory po zakończeniu okresu użytkowania nie mogą być zbierane, odzyskiwane lub utylizowane wraz z odpadami komunalnymi.

Niewłaściwe postępowanie ze użytym sprzętem elektrycznym i elektronicznym, bateriami lub akumulatorami może powodować uwolnienie niebezpiecznych substancji zawartych w produktach. Celem uniknięcia jakichkolwiek szkód dla środowiska lub zdrowia, użytkownik proszony jest o odseparowanie niniejszego sprzętu i/lub dołączonych baterii lub akumulatorów od innych rodzajów odpadów i dostarczenia go do miejskiego punktu zbierania odpadów. Możliwe jest zwrócenie się z prośbą do dystrybutora o odebranie odpadów sprzętu elektrycznego i elektronicznego, na warunkach i zgodnie z procedurami ustanowionymi przez przepisy krajowe transponujące dyrektywę 2012/19/UE.

Oddzielna zbiórka i prawidłowe przetwarzanie sprzętu elektrycznego i elektronicznego, baterii i akumulatorów sprzyja ochronie zasobów naturalnych, poszanowaniu środowiska i zapewnieniu ochrony zdrowia.

Aby uzyskać więcej informacji dotyczących zbiórki użytego sprzętu elektrycznego i elektronicznego, baterii i akumulatorów, należy skontaktować się z władzami miejskimi lub organami publicznymi odpowiedzialnymi za wydawanie zezwoleń.

SVN-Informacije o ravnanju z odpadno električno in elektronsko opremo, ki vsebuje baterije in akumulatorje

Ta simbol, ki se nahaja na izdelku, baterijah, akumulatorjih ali na njihovi embalaži ali v dokumentaciji, označuje, da se po izteku življenjske dobe izdelka ter baterij ali akumulatorjev, ki jih izdelek vsebuje, ne sme zbirati, predelati ali odstranjevati skupaj z odpadki iz gospodinjstev.

Neprimerno ravnanje z odpadno električno in elektronsko opremo, baterijami ali akumulatorji lahko povzroči izpust nevarnih snovi, ki jih vsebujejo izdelki. Da bi preprečili morebitne škodljive vplive na okolje ali zdravje, uporabnike pozivamo, da tovrstno opremo in/ali baterije ali akumulatorje, ki jih oprema vsebuje, ločujejo od drugih vrst odpadkov ter jih oddajo občinski službi za zbiranje odpadkov. Od distributerja lahko zahtevate prevzem odpadne električne in elektronske opreme pod pogoji in na načine, skladno s katerimi je bila Direktiva 2012/19/EU prenesena v nacionalno zakonodajo.

Ločevanje in ustrezna obdelava električnih in elektronskih naprav, baterij in akumulatorjev pripomoreta k ohranjanju naravnih virov, spoštovanju okolja ter zagotavljanju varovanja zdravja.

Za dodatne informacije o načinih zbiranja odpadne električne in elektronske opreme, baterij in akumulatorjev se obrnite na občine ali na javne organe, ki so pristojni za izdajanje dovoljenj.



Aico S.p.A.

Headquarter

Via Consorzio Agrario, 3 - 25032
Chiari (BS) - Italy

Research and Development Centre

Viale del commercio 12/a - 37135
Verona (VR) - Italy

T. + 39 030 7402939
info@ravelligroup.it

FB Ravellifuocointelligente
IG ravellistufe

www.ravelligroup.it

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