
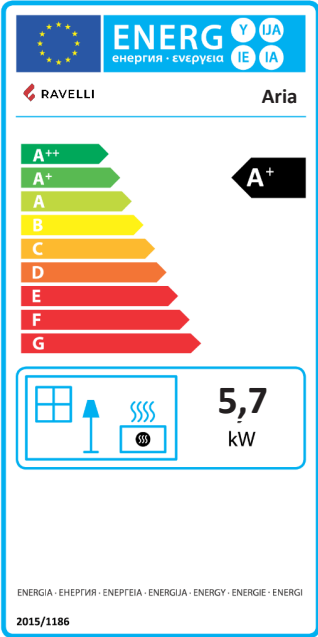





Aria

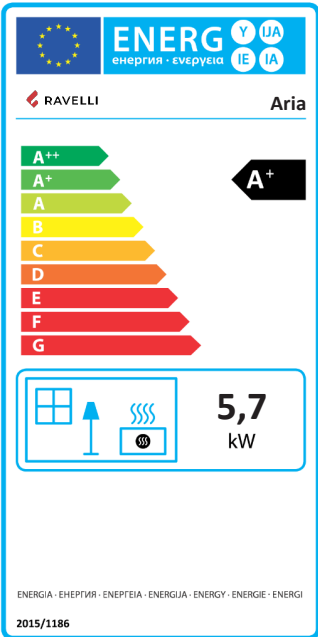
| | | |
|---|--------------------------|---------------------------|
|  | SCHEDA PRODOTTO | PRODUCT DATASHEET |
| | FICHE DE PRODUIT | PRODUCTKAART |
| | PRODUKTDATENBLATT | FICHA DEL PRODUCTO |

EU 2015/1186

| | | | |
|--|---|----------------|--|
|  | Marca / Trademark / Marque / Merk / Marke / Marca | Ravelli | |
| | Modello / Model / Modèle / Model / Modell / Modelo | Aria | |
| | Classe di efficienza energetica / Energy Efficiency class / Classe d'Efficacité Énergétique / Energie-efficiëntieklasse / Energieeffizienzklasse / Clase de eficiencia energética | A+ | |
| | Potenza termica diretta / Direct thermal power / Puissance thermique directe / Directe warmteafgifte / Direkte Wärmeleistung / Potencia calorífica directa | 5,7 kW | |
| | Potenza termica indiretta / Indirect thermal power / Puissance thermique indirecte / Indirecte warmteafgifte / Indirekte Wärmeleistung / Potencia calorífica indirecta | -- | |
| | Indice di efficienza energetica / Energy Efficiency Index / Indice de eficiencia energética / Energie-efficiëntie-index / Energieeffizienzindex / Índice de eficiencia energética | 129 | |
| | Efficienza utile (Potenza nominale) / Useful efficiency (Nominal power) / Rendement utile (puissance nominale) / Nuttig rendement (bij nominale) / Brennstoff-Energieeffizienz (Nennwärmeleistung) / Eficiencia energética útil (potencia nominal) | 91,5 % | |
| | Efficienza utile (Potenza ridotta) / Useful efficiency (Reduced power) / Rendement utile (puissance minimale) / Nuttig rendement (bij minimale) / Brennstoff-Energieeffizienz (Mindestlast) / Eficiencia energética útil (potencia mínima) | 93,8 % | |
| | Rispettare le avvertenze e le indicazioni di installazione e manutenzione periodica riportate nel manuale di istruzioni. / Comply with the warnings and instructions concerning installation and routine maintenance provided in the instruction manual. / Respecter les avertissements et les indications sur l'installation et l'entretien périodique fournis dans le manuel d'instructions. / Neem de waarschuwingen en instructies voor installatie en periodiek onderhoud in acht zoals aangegeven in de hoofdstukken van de gebruiksaanwijzing. / Beachten Sie die Warnungen und Hinweise betreffend die Installation und regelmäßige Wartung in der Bedienungsanleitung. / Respete las advertencias y las indicaciones de instalación y mantenimiento periódico, detalladas en los capítulos del manual de instrucciones. | | |

| | | |
|---|--------------------------|--------------------------------|
|  | PRODUCT DATASHEET | FICHA DO PRODUTO |
| | ΔΕΛΤΙΟ ΠΡΟΪΟΝΤΟΣ | PRODUKTBLAD |
| | KARTA PRODUKTU | PODATKOVNI LIST IZDELKA |

EU 2015/1186

| | | | |
|---|--|----------------|--|
|  | Trademark / Marca / Μάρκα / Mærke / Marka / Blagovna znamka | Ravelli | |
| | Model / Modelo / Μοντέλο / Model / Model / Model | Aria | |
| | Energy Efficiency class / Classe de Eficiência Energética / Κατηγορία ενεργειακής απόδοσης / Energiklasse / Klasa efektywności energetycznej / Razred energetske učinkovitosti | A+ | |
| | Direct thermal power / Potência calorífica direta / Άμεση θερμική ισχύς / Direkte varmeydelse / Bezpośrednia moc produktu / Neposredna izhodna toplotna moč | 5,7 kW | |
| | Indirect thermal power / Potência calorífica indireta / Έμμεση θερμική ισχύς / Indirekte varmeydelse / Pośrednia moc produktu / Posredna izhodna toplotna moč | -- | |
| | Energy Efficiency Index / Índice de eficiência energética / Δείκτης ενεργειακής απόδοσης / Indeks energieffektivitet / Wskaźnik efektywności energetycznej / Kazalo energetske učinkovitosti | 129 | |
| | Useful efficiency (Nominal power) / Eficiência energética útil (potência nominal) / Ωφέλιμη ενεργειακή απόδοση (ονομαστική ισχύς) / Virkningsgrad (nominel varmeydelse) / Sprawność użytkowa (nominalnej mocy) / izkoristek energije (nazivni izhodni moči) | 91,5 % | |
| | Useful efficiency (Reduced power) / Eficiência energética útil (potência mínima) / Ωφέλιμη ενεργειακή απόδοση (ελάχιστο ισχύς) / Virkningsgrad (mindste varmeydelse) / Sprawność użytkowa (minimalnym mocy) / izkoristek energije (nazivni izhodni moči) | 93,8 % | |
| | Comply with the warnings and instructions concerning installation and routine maintenance provided in the instruction manual. / Respeitar as advertências e as indicações de instalação e manutenção periódica referidas nos capítulos do manual de instruções. / Τηρείτε τις προειδοποιήσεις και τις οδηγίες εγκατάστασης και περιοδικής συντήρησης που αναφέρονται στα κεφάλαια του εγχειριδίου των οδηγιών. / Overhold advarslerne og angivelserne for installation og vedligeholdelse, som angivet i kapitel i brugsvejledningen. / Należy przestrzegać ostrzeżeń i wskazówek dotyczących instalacji i okresowej konserwacji podanych w rozdziałach w instrukcji obsługi. / Upoštevajte opozorila in navodila za namestitve in redno vzdrževanje, navedena v poglavjih priložnika z navodili. | | |

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

| | |
|--------------------------------|---------|
| Manufacturer | Aico |
| Model identifier(s) | Aria |
| Brand | Ravelli |
| Indirect heating functionality | No |
| Direct heat output | 5,7 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 \leq 25 % | no | no | | | | | | | | | | |
| Compressed wood with moisture content < 12 % | yes | no | 87,8 | 14,9 | 4 | 45 | 116 | 14 | 4 | 215 | 101 | |

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} | 5,7 | kW | two or more manual stages, no room temperature control | No |
| Minimum heat output (indicative) | P _{nom} | 2,7 | 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 | $\eta_{th,nom}$ | 91,5 | % | with electronic room temperature control plus day timer | No |
| Useful efficiency at minimum heat output (indicative) | $\eta_{th,min}$ | 93,8 | % | 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} | 0,050 | kW | room temperature control, with open window detection | No |
| At minimum heat output | e _{l,min} | 0,030 | kW | room temperature control, with presence detection | No |
| In standby mode | e _{l,SB} | 0,004 | 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.

DECLARATION OF PERFORMANCE

Declaration of performance according to Regulation (EU) 305/2011



n. : 276CPR13.07

- Unique identification code of the product type:
10015BR06, residential space heating appliance fired by wood pellets
EN 14785:2006
- Type, batch or serial number or any other element allowing identification of the construction product as required under Art. 11(4):
Aria,
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Residential space heating appliance fired by wood pellets
- Name, registered trade name or registered trademark and contact address of the manufacturer as required by Art. 11 (5):
Ravelli
Aico S.p.A.
Via Consorzio Agrario, 3/D
25032 Chiari (Bs) Italia
- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 3, System 4
- In case of the declaration of performance concerning a construction product covered by a harmonised standard:
The notified laboratory TÜV Rheinland Energy GmbH (NB 2456) performed the determination of the product type on the basis of type testing under system 3 and issued test report K31932021T1
- Declared performances:

| Harmonized technical specification: | EN 14785:2006 |
|--|---|
| Essential characteristics | Performance |
| Fire safety | |
| Reaction to fire | A1 |
| Distance to combustible materials | Minimum distances (mm): rear = 100 sides = 200 front = 800 ceiling = 400 floor = 0 |
| Risk of burning fuel falling out | Pass |
| Emission of combustion products (at 13% of O ₂) | Nominal heat output CO 0,004 % - 45 mg/Nm ³ NOx 116 mg/Nm ³ OGC 4 mg/Nm ³ PM 14,9 mg/Nm ³ Reduced heat output CO 0,017 % - 215 mg/Nm ³ OGC 4 mg/Nm ³ |
| Surface temperature | Pass |
| Electrical safety | Pass |
| Cleanability | Pass |
| Maximum operating pressure | -- |
| Flue gas temperature at nominal heat output | 121 °C |
| Mechanical resistance(to carry a chimney/flue) | NPD |
| Nominal heat output | 5,7 kW |
| Room heating output | 5,7 kW |
| Water heating output | -- |
| Efficiency | η 91,5 % Nominal heat output η 93,8 % Reduced heat output |

- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer **Claudio Mezzalana, Operations Manager**

Place **Chiari**

Date **16/12/2021**

Sign

Dichiarazione di conformità UE
EU Declaration of Conformity
Declaration de Conformite UE
(DoC)



Il costruttore
The manufacturer
Le fabricant

Aico S.p.A.
Via Consorzio Agrario, 3/D
25032 Chiari (Bs) – Italy
ph: +39 030 74 02 939, e-mail: info@ravelligroup.it

DICHIARA che la dichiarazione viene rilasciata sotto la propria responsabilità e si riferisce al seguente prodotto:

DECLARES that the DoC is issued under our sole responsibility and belongs to the following product:

DÉCLARE que la déclaration est délivré sous notre seule responsanilité et elle se refère au suivant produit:

| | |
|------------------------|---------------------------------|
| Tipo di prodotto | Stufa a pellet |
| <i>Product type</i> | Pellet stove |
| <i>Type de produit</i> | Poêle à granulés de bois |

| | |
|------------------|----------------|
| <i>Marchio</i> | |
| <i>Trademark</i> | |
| <i>Marque</i> | Ravelli |

| | |
|---------------|-------------|
| Modello | |
| <i>Model</i> | Aria |
| <i>Modèle</i> | |

L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione:

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

L'objet de la déclaration décrit ci-dessus est conforme à l'harmonisation de l'Union concernant la législation la directive:

- **2014/53/EU, RED**
- **2011/65/EU, 2015/863/EU, 2017/2102/EU, RoHS**
- **2009/125/EC, Ecodesign**

Sono state applicate le seguenti norme armonizzate e/o specifiche tecniche:

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

Les normes et les spécifications techniques harmonisées suivantes ont été appliquées:

| | | | | |
|--------------|----------------|----------|----------------|------------------|
| EN 55014-1 | EN 60335-1 | | | |
| EN 55014-2 | EN 60335-2-102 | | | |
| EN 61000-3-2 | EN 62233 | EN 50581 | (EU) 2015/1185 | ETSI EN 300220-1 |
| EN 61000-3-3 | | | | |

Chiari (BS), ITALY
16/12/2021



(Claudio Mezzalana, Operations Manager)

Preface

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

We invite you to read this manual carefully, before starting installation and use, so that you are able to benefit from all of its characteristics better and in full safety. It contains all necessary information for correct installation, start-up, operation, cleaning, maintenance, etc.

Keep this manual in a suitable location, do not discard it without reading it.

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.

| | |
|---|-----------|
| Sommario | |
| Preface..... | 9 |
| IDENTIFICATION | 12 |
| Stove identification | 12 |
| Manufacturer identification | 12 |
| Reference standards | 12 |
| Label | 12 |
| WARRANTY | 13 |
| Certificate of warranty..... | 13 |
| Warranty conditions..... | 13 |
| Registration of warranty | 13 |
| Info and problems | 13 |
| GENERAL INFORMATION | 14 |
| Supply and safe-keeping | 14 |
| Language | 14 |
| Symbols used in the manual | 14 |
| SAFETY MEASURES | 14 |
| General safety warnings | 14 |
| Residual risks | 15 |
| DESCRIPTION OF THE APPLIANCE | 16 |
| Intended use | 16 |
| Reasonably foreseeable incorrect use | 16 |
| Obligations and forbidden actions | 17 |
| Characteristics of the fuel | 18 |
| Non-permitted fuels..... | 18 |
| TECHNICAL CHARACTERISTICS | 19 |
| Technical diagram Aria | 20 |
| Main parts | 21 |
| Description of operation..... | 21 |
| Recharge the fuel | 22 |
| Doors opening | 22 |
| User training | 22 |
| Safety devices..... | 23 |
| SHIPPING AND INSTALLATION | 24 |
| Safety warnings for transportation and installation | 24 |
| Set-ups for the smoke evacuation system | 25 |
| Installation | 26 |
| CONNECTIONS | 29 |
| Chimney connection | 29 |
| Connection of external probe or thermostat | 30 |
| Testing and commissioning | 30 |
| Electric scheme Aria | 30 |
| CONTROLS AND USE..... | 31 |
| Control panel description..... | 31 |
| Radio touch remote control initialization | 31 |
| Description of the radio touch remote control | 32 |
| Description of the display | 32 |
| Time and date setting | 33 |
| PROCEDURES FOR USE | 34 |
| Checks prior to start-up | 34 |
| Auger loading | 34 |
| Switching the appliance on and off | 34 |
| Failed ignition | 35 |
| Setting operating temperature and power: | 35 |

| | |
|---|-----------|
| OPERATING PHASES OF THE APPLIANCE | 35 |
| <i>Sequence of ignition phases</i> | 35 |
| <i>Modulation</i> | 35 |
| <i>Description of menu functions</i> | 35 |
| <i>Setting</i> | 38 |
| <i>Stove phase general layout</i> | 40 |
| MAINTENANCE | 43 |
| <i>Safety warnings for maintenance</i> | 43 |
| <i>Cleaning</i> | 43 |
| <i>Extraordinary maintenance</i> | 45 |
| <i>Failure cases</i> | 47 |
| TROUBLESHOOTING | 50 |
| <i>The appliance does not work</i> | 50 |
| <i>Difficult lighting</i> | 50 |
| <i>Smoke leakage</i> | 50 |
| <i>The glass gets dirty easily</i> | 50 |
| <i>Downtime (end of season)</i> | 50 |
| DISPOSAL AT END OF SERVICE LIFE | 50 |
| <i>Warnings for the correct disposal of the product</i> | 50 |

IDENTIFICATION

Stove identification

| | |
|-----------------|--------------|
| Type of product | PELLET STOVE |
| Trademark | Ravelli |
| Model | Aria |

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 Aria 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.

Remote control: Synthetic Declaration of Conformity (DoC)

The manufacturer Aico S.p.A. declares that the Remote Control, with the Ravelli brand and model PNET00003 (Palm Touch) is in conformity with the relevant Union harmonisation legislation: 2014/53/EU (RED), and that the following harmonised standards and/or technical specifications have been applied: ETSI EN 301 489-3, ETSI EN 301 489-1, EN 60950-1 A11+A12+AC+A2, EN 62479.

These declarations can be found in full format on the website www.ravelligroup.it.

Label

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

ARIA

| | | | | | |
|--|--|-------------------------------|---------|-----------------------------|---------|
| APPARECCHIO PER IL RISCALDAMENTO DOMESTICO ALIMENTATO A PELLETTI DI LEGNO RESIDENTIAL SPACE HEATING APPLIANCES FIRED BY WOOD PELLETS APPAREILS DE CHAUFFAGE DOMESTIQUE A GRANULÉS DE BOIS | | | | | |
| Combustibile / Fuel / Carburant | Pellet di legno Ø 6 mm | | | | |
| Potenza termica introdotta Heat input Introduite puissance thermique | <table> <tr> <td>nominale / nominal / nominale</td> <td>6,3 kW</td> </tr> <tr> <td>ridotto / reduced / réduite</td> <td>2,9 kW</td> </tr> </table> | nominale / nominal / nominale | 6,3 kW | ridotto / reduced / réduite | 2,9 kW |
| nominale / nominal / nominale | 6,3 kW | | | | |
| ridotto / reduced / réduite | 2,9 kW | | | | |
| Potenza termica resa Heat output Utile puissance thermique | <table> <tr> <td>nominale / nominal / nominale</td> <td>5,7 kW</td> </tr> <tr> <td>ridotto / reduced / réduite</td> <td>2,7 kW</td> </tr> </table> | nominale / nominal / nominale | 5,7 kW | ridotto / reduced / réduite | 2,7 kW |
| nominale / nominal / nominale | 5,7 kW | | | | |
| ridotto / reduced / réduite | 2,7 kW | | | | |
| CO misurato (13%O ₂) CO emission (at 13%O ₂) CO émission (au 13%O ₂) | <table> <tr> <td>nominale / nominal / nominale</td> <td>0,004 %</td> </tr> <tr> <td>ridotto / reduced / réduite</td> <td>0,017 %</td> </tr> </table> | nominale / nominal / nominale | 0,004 % | ridotto / reduced / réduite | 0,017 % |
| nominale / nominal / nominale | 0,004 % | | | | |
| ridotto / reduced / réduite | 0,017 % | | | | |
| Rendimento Efficiency / Rendement | <table> <tr> <td>nominale / nominal / nominale</td> <td>91,5 %</td> </tr> <tr> <td>ridotto / reduced / réduite</td> <td>93,8 %</td> </tr> </table> | nominale / nominal / nominale | 91,5 % | ridotto / reduced / réduite | 93,8 % |
| nominale / nominal / nominale | 91,5 % | | | | |
| ridotto / reduced / réduite | 93,8 % | | | | |
| Temperatura dei gas di scarico Flue gas temperature / Température des gaz de combustion | 120,7 °C | | | | |
| Tiraggio minimo / Minimum draft / Tirage minimum | 0,1 mbar 10 Pa | | | | |
| Potenza elettrica nominale Electrical power supply / Puissance électrique nominale | 260 W | | | | |
| Tensione nominale / Nominal voltage / Tension nominale | 230 V | | | | |
| Frequenza nominale / Nominal frequency / Fréquence nominale | 50 Hz | | | | |
| * Usare solo i combustibili raccomandati / Use only recommended fuel / Utiliser seulement les combustibles recommandés * Leggere le istruzioni d'uso / Read and follow the operating manual / Lire et suivre le mode d'emploi * Installare il prodotto secondo le norme vigenti / Install the stove in respect of the rules in force / Installer le produit selon la réglementation en vigueur | | | | | |
| Conforme alla normativa Complying with the norm / Conforme à la normative | EN 14785:2006 | | | | |
| D.o.P. n° 276CPR13.07 (Notified Body 2456) | | | | | |
| Distanza minima da materiali infiammabili Minimum distance from flammable materials Distance moindre de matériels inflammables | | | | | |
| Lato destro Right side / Côté droit | 200 mm | | | | |
| Lato sinistro Left side / Côté gauche | 200 mm | | | | |
| Retro Back side / Derrière | 100 mm | | | | |
| Soffitto Ceiling / Plafond | 400 mm | | | | |
|  | | | | | |
| Anno di produzione 2022 | | | | | |

WARRANTY

Certificate of warranty

Ravelli thanks you for the trust granted with the purchase of one of its products and invites the purchaser to:

- read the installation, use and maintenance instructions for the product;
- 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 combustion grille;
- the 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 strictly forbidden to use liquid fuels.
-  It is prohibited to use the appliance with the door or ash drawer open or the glass broken.
-  Do not touch the hot surfaces of the appliance without suitable protective equipment, to avoid getting burned. When it is running, the outer surfaces reach hot temperatures to the touch.
-  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.

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 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 sawdust, once it has been dried and cleaned from impurities, is pressed using a die with holes: as a result of high pressure, the sawdust heats up by activating the natural wood binders; this way the pellet maintains its shape even without adding artificial substances.

Wood pellet density varies based on the type of wood and can exceed that of natural wood by 1.5 - 2 times.

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. Maintain fuels and other flammables at a suitable distance.

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



It is therefore necessary to protect them from humidity, both during transport and during storage.

Non-permitted fuels

We recommend not using the following materials as fuel:

- wood
- treated wood (painted, lacquered, glued wood etc.);
- sawdust or chips
- liquid fuel
- coal or other fossil fuels
- plastic and derivatives
- treated paper and cardboard
- waste
- fuels that release toxic or polluting substances

Using these fuels, on top of being forbidden due to the emission of polluting and harmful substances, causes the appliance to deteriorate more rapidly and debris to accumulate in the appliance and in the smoke evacuation system, thereby reducing performance and safety.



The gases produced by these fuels are dangerous for the environment and for your health!



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

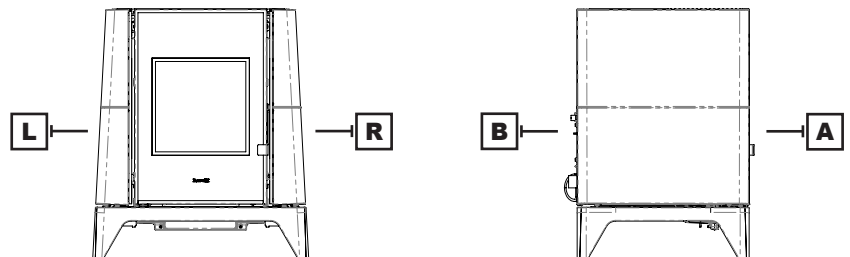
TECHNICAL CHARACTERISTICS

| | U | Aria |
|--|--|---------------|
| Energy efficiency class | - - | A+ |
| Heating input reduced - nominal | kW | 2,9 - 6,3 |
| Heating output reduced - nominal | kW | 2,7 - 5,7 |
| Red. - Nom. Yield | % | 93,8 - 91,5 |
| Hourly consumption | kg/h | 0,59 - 1,29 |
| Loading interval | h | 13 - 29 |
| Heating volume * | m ³ | 100 - 160 |
| CO at 13% of O ₂ | % | 0,017 - 0,004 |
| | mg/m ³ | 215 - 45 |
| OGC at 13% of O ₂ | mg/m ³ | 4 - 4 |
| NO _x at 13% of O ₂ | mg/m ³ | 101 - 116 |
| PM at 13% of O ₂ | mg/m ³ | 14 - 14,9 |
| Smoke temperature | °C | 74 - 121 |
| Smoke flow | g/s | 3,3 - 5,1 |
| Minimum draft | Pa - mbar | 10 - 0,1 |
| Electrical connection | Hz - V | 50 - 230 |
| Electrical power consumption max. | W | 260 |
| Electrical power consumption reduced - nominal | W | 30 - 50 |
| Stand-by electrical consumption | W | 3,8 |
| smoke air inlet Ø | mm | 35 |
| smoke outlet pipe Ø | mm | 80 |
| Hopper capacity | kg | 17 |
| Seasonal energy efficiency | % | 87,8 |
| 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.

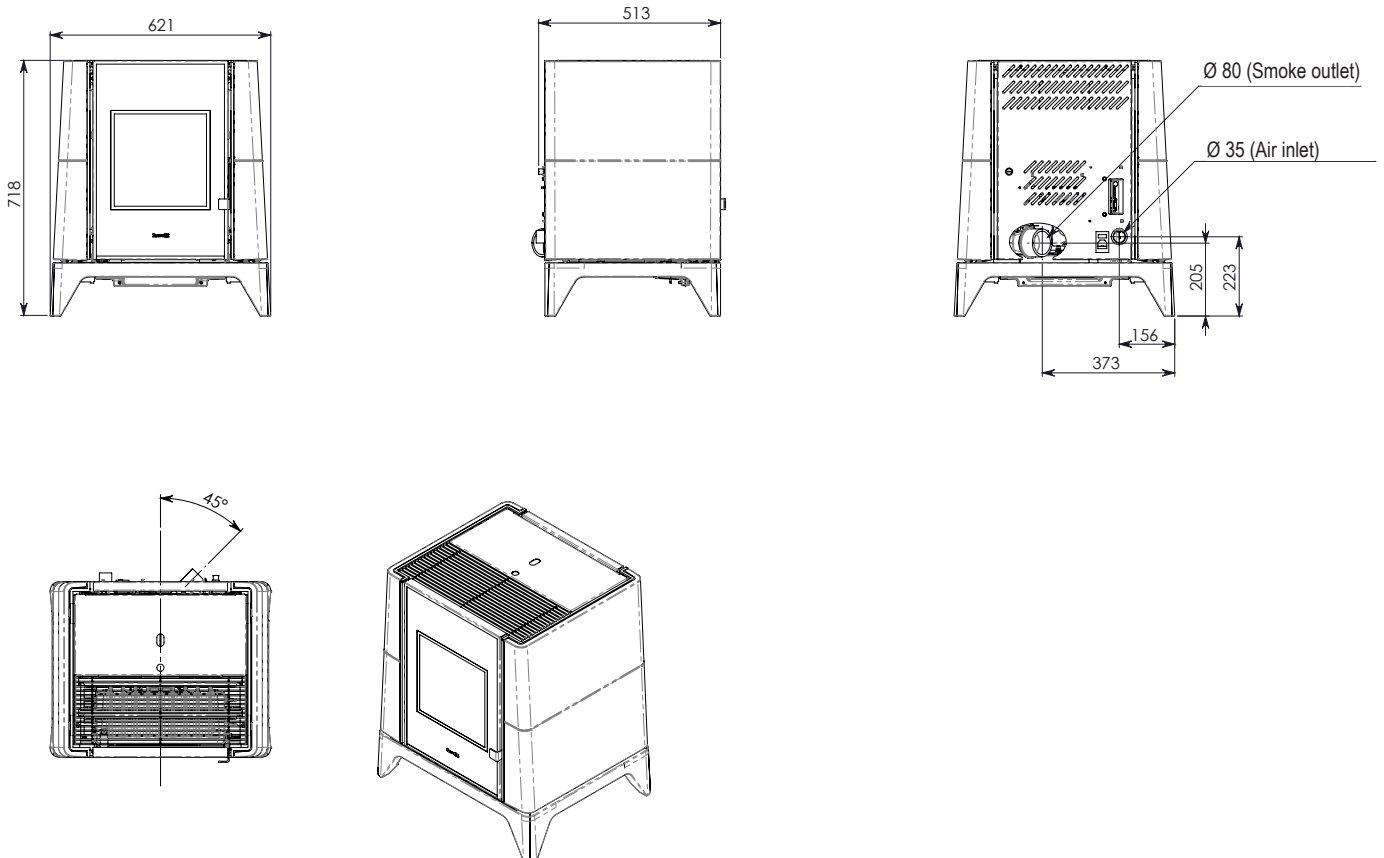
* Heatable volume based on the requested power equal to 35 W/m³ and 55 W/m³

| Minimum clearances from combustible materials | |
|---|--------|
| | Aria |
| R Right side | 200 mm |
| L Left side | 200 mm |
| B Rear | 100 mm |
| A Front | 800 mm |



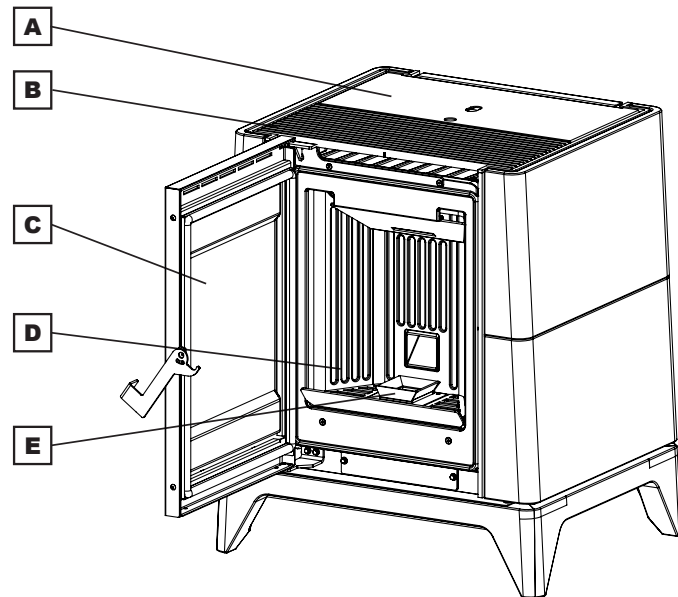
Measurements

| | Unit of measurement | Aria |
|--------|---------------------|------|
| Height | mm | 718 |
| Width | mm | 621 |
| Depth | mm | 513 |
| Weight | kg | 127 |

Technical diagram Aria

Main parts

| | element |
|---|--------------------|
| A | Pellet hopper lid |
| B | Ventilation grid |
| C | Door |
| D | Combustion chamber |
| E | Fire pot |



Description of operation


The Ravelli pellet stove Aria is an automatic loading wood pellet heating appliance for domestic heating, suitable for use as a secondary heating system or as a support for the main heating system.


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 startup and shutdown of the stove by setting the weekly chronothermostat.

| FUNCTION | DESCRIPTION |
|------------------|---------------------|
| Fire pot | Removable |
| Chronothermostat | Weekly - 4 programs |
| Thermal reset | Manual |

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 |
|---|----------------------------------|
| 1 | Open the pellet hopper cover |
| 2 | Pour the pellets into the hopper |
| 3 | Close the pellet hopper cover |

Doors opening

The combustion chamber door, the pellet hopper lid and the ash drawer can only be opened when the stove is in the OFF state. If one of them is not closed, the pellet supply is interrupted, the control unit emits an acoustic warning signal, while the symbol appears on the display:

In this condition, by touching the CONFIRM button you can read the detail of the warning: "doors and ash pan open". If the combustion chamber door, the pellet hopper lid and / or the ash drawer are not closed within 1 minute, the stove switches off signaling ALARM 07. Opening the doors also interrupts the automatic cleaning phase of the brazier. In the event of a prolonged interruption of the cleaning phase, ALARM 19 may appear.

Remember that in the presence of an alarm the stove will have to be restarted manually.

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 | If the pressure in the smoke outlet duct is too high (a sign that the smoke evacuation system is obstructed) it immediately stops the pellet loading motor and the stove switches off automatically. |
| 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. |

It should be noted that the stove's operating program has been designed to stop stove operation in the event of malfunctions:

| Anomalies | Description |
|---------------------------------------|--|
| 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. |
| 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 break | If the fan stops, the electronic board blocks the supply of pellets and the alarm is displayed. |
| Gear motor failure | If the gear motor stops, the appliance switches off safely. |
| Temporary power failure | If a power failure occurs during operation, when the power returns the temperature in the combustion chamber is checked and, if necessary, the stove goes into cooling mode. |
| 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.

To handle the appliance in its packaging, follow the procedure below:

- 1 Position the pallet truck forks in the slots under the wooden pallet.
- 2 Lift slowly.
- 3 Place the appliance near the chosen location for installation.




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 Cut the straps and remove the wooden reinforcement frame resting on the box
- 2 Slowly lift the cardboard box
- 3 Remove any bubble-wrap or similar
- 4 Remove the appliance from the pallet and position the appliance in the chosen location, ensuring that it is compliant with the directions.


If the appliance is packed in a wooden cage, replace steps 1 and 2 of the previous table with the steps described below:

- 1 Remove the side straps by unscrewing the fixing screws
- 2 Remove the upper and side wooden cage

 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).

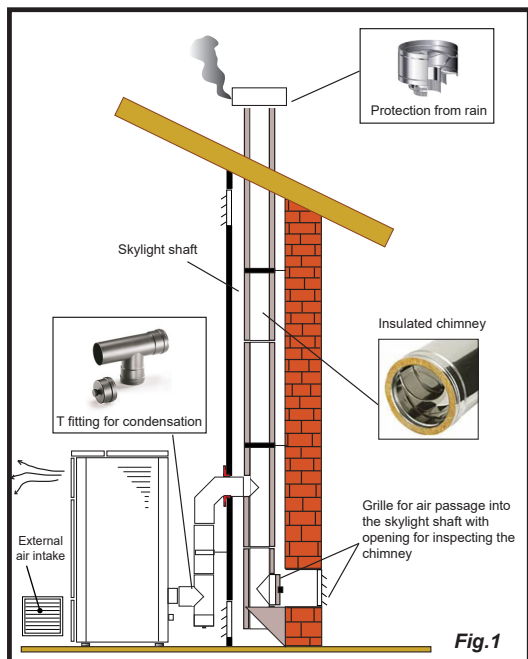
 Provide due insulation if the surface is made of flammable material.

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.

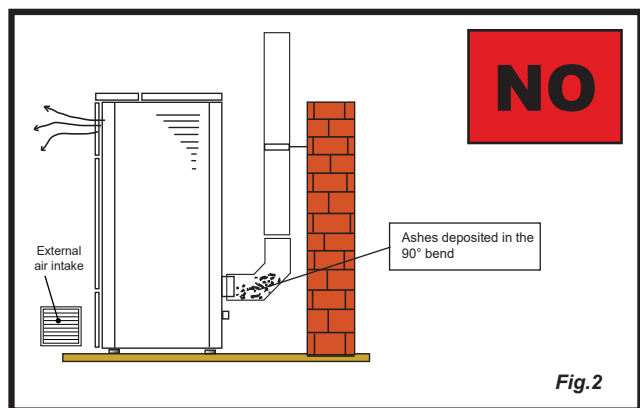
Appliance installation must guarantee easy access to clean the appliance, the exhaust ducts and the chimney.

Installation example

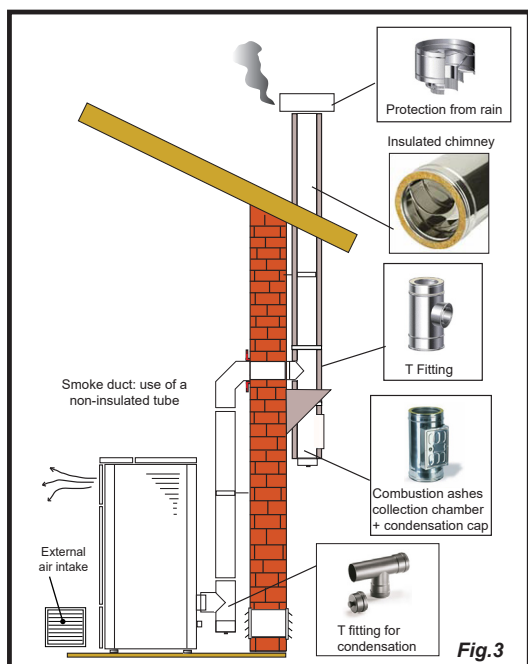


This type of installation (See Fig.1) requires an insulated chimney pot, even if the entire conduit is installed inside the building. Besides, the structure must be inserted into a properly ventilated skylight shaft.

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

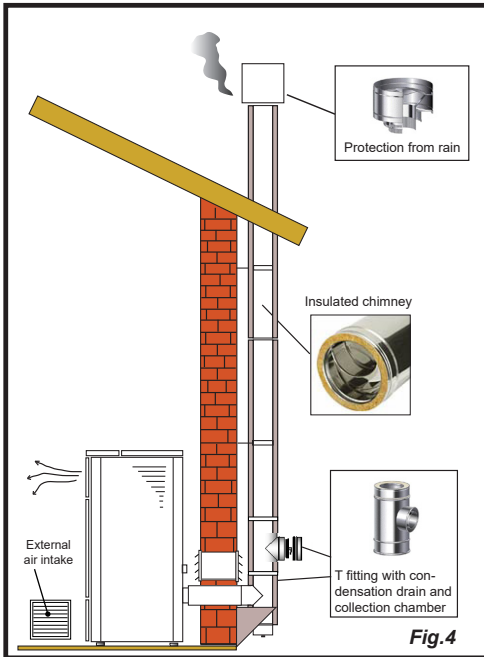


It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig. 2)



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.

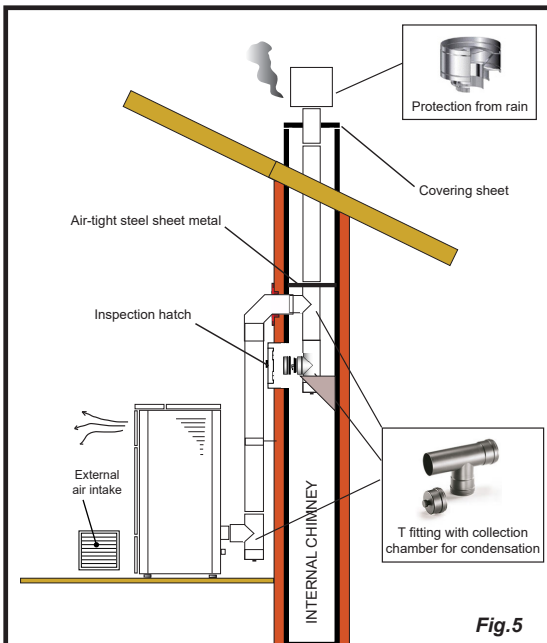
It is prohibited to install two 90° bend, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig. 2)



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.

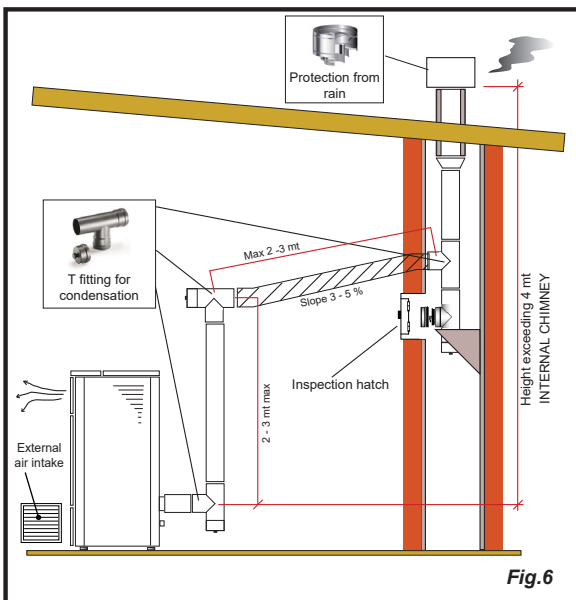
It is prohibited to install a 90° bend for the initial segment, since the ashes would quickly obstruct smoke passage, causing draught problems in the appliance. (See Fig.2)



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 40 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.

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.



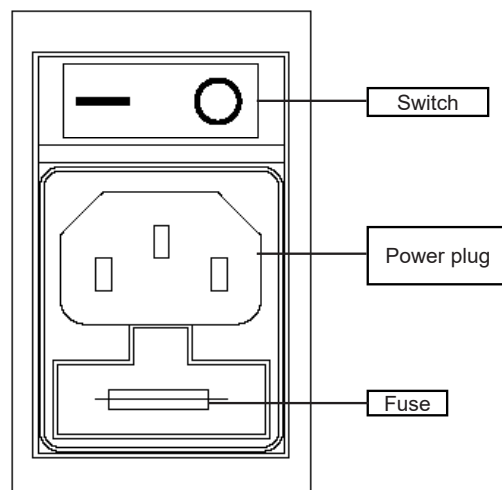
For direct connection to the mains, it is necessary to provide a device that ensures disconnection from the mains, with a contact opening distance that allows complete disconnection under the conditions of overvoltage category III, in accordance with installation rules



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.



Connection of external probe or thermostat

To manage the stove using an external thermostat (optional), connect it to the appropriate terminals on the board, as shown in the Electric scheme.



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



If you wish to detect the ambient temperature by means of an external thermostat (optional), this must be connected to the appropriate connector on the rear side of the stove; and you will have to activate the reading in "SETTINGS - ENABLE THERMOSTAT." On display appears the writing TON / TOFF based on thermostat request.



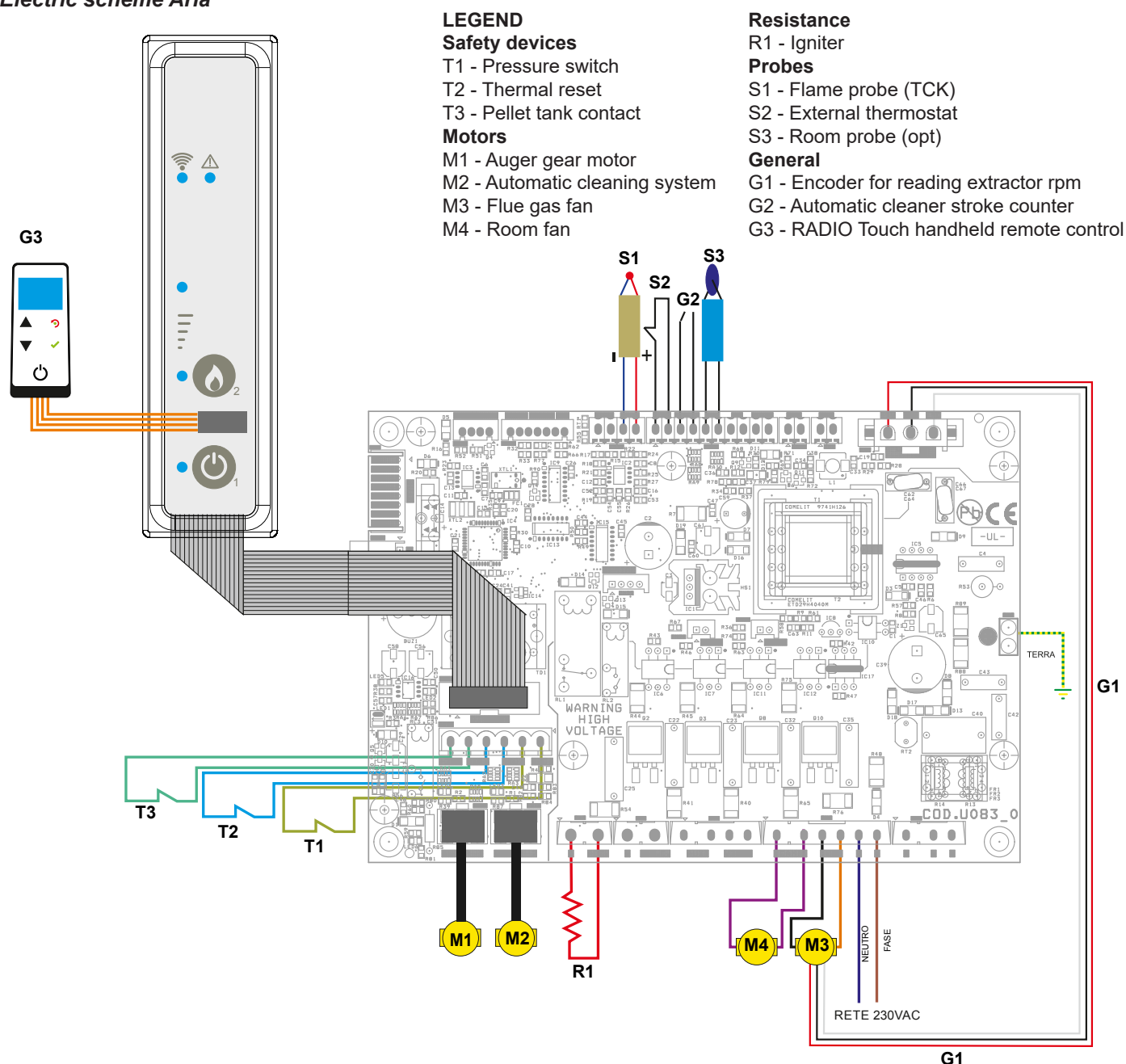
Connect an external thermostat with a simple dry contact, therefore, not powered, moreover, we recommend you use a thermostat with a minimum offset of 3°C if you intend to use the "comfort clima" function.

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.

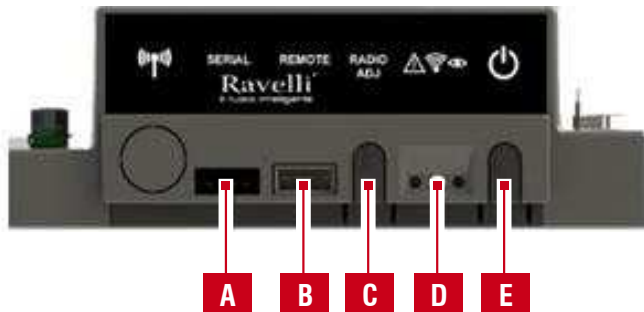
Electric scheme Aria



CONTROLS AND USE

Control panel description

The stove is controlled by an electronic card that allows fully automatic and controlled combustion. It allows to regulate the ignition phase, the power levels and the shutdown phase, guaranteeing safe operation. On the back of the stove there is a control panel that allows you to synchronise the electronic discharge with the remote control and turn the stove on/off.



| | |
|---|---|
| A | Serial socket |
| B | Remote control cable connection socket |
| C | ADJ Radio: button to connect the remote control to the card |
| D | Signaling Led Red: active allergy Yellow: Awaiting communication with the remote control Green: Stove on |
| E | Stove on/off button |

Radio touch remote control initialization

The remote control, after a first short screen showing the Ravelli logo, will list the languages available in the menu. Select the desired language with the scroll buttons and confirm your selection with the confirmation button.



In order to operate correctly, the remote control should be interfaced with the electronic board installed inside the stove. For this reason, on display appears the following message:



If the remote control is used for the first time, select YES using the selection keys and confirm with the dedicated key. On the display of the remote control appears the following:



The flashing yellow LED indicates that the circuit board is waiting to receive the signal from the remote control. By pressing the enter key on the remote control, the components start communicating with each other. A check sign on the display, accompanied by a sound signal, shows that the initialization of the remote control has been completed successfully.

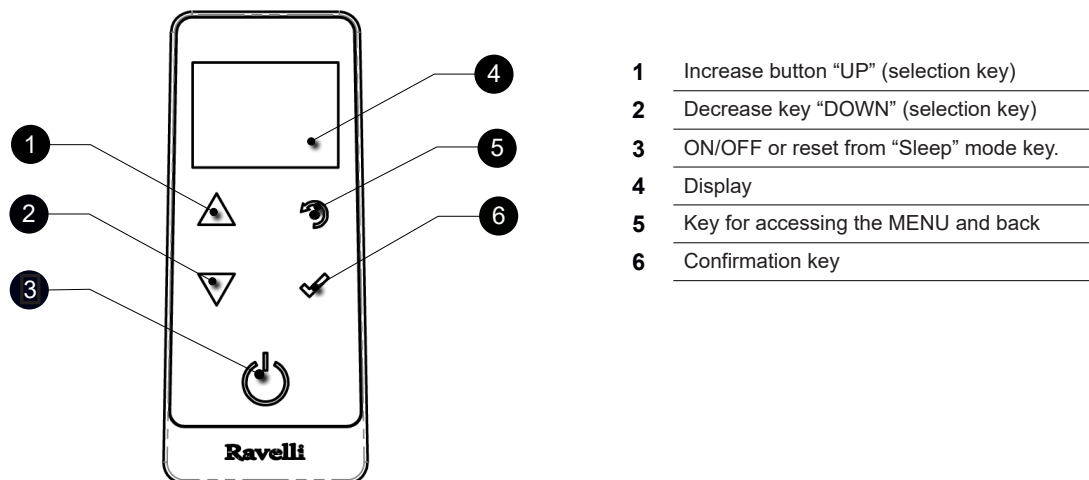


In case of battery replacement, it is not necessary to perform the initialization procedure of the remote control. In this case, when the display will show the message "FIRST INSTALLATION ?", select NO and press the dial key.

Description of the radio touch remote control

The remote control looks like the following picture:

The information below will familiarize you with the product and give you the best performance.



In "Sleep" mode, the remote control screen is darkened, but radio communication with the stove is still active in order to reduce battery consumption.

How to insert the batteries in the remote control:

Remove the protective cover of the battery on the back of the remote control as shown in Figure A, and insert the 3 batteries (mini pen style battery AAA 1.5V) in the housing of the remote control and observe the poles. Install the battery protective cover as shown in figure B

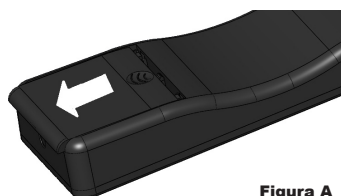


Figura A

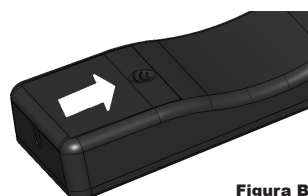


Figura B

What happens if the batteries are empty

If the battery is discharged, within the "drop" is shown a symbol that indicates that the battery is empty, while maintaining active the features of your device.



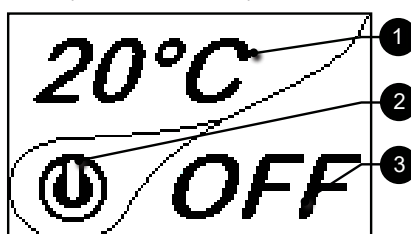
As soon as the level of the battery prevents the radio communication the remote control displays on full screen the picture of empty battery and all device functions are locked until the batteries are replaced.



If not in use for a long time, we recommend removing the batteries from the remote control.

Description of the display

The display of the remote control is described below (in "Home" mode):





After 5 minutes of inactivity, the remote control display dims to "SLEEP" mode while maintaining the radio connection to the stove. A subsequent press of the ON/OFF key reactivates the display.



The first press of any key with active display turns on its backlight, not interpreting it as a command.

The display is subdivided into three parts:

1- It shows the current room temperature measured by the remote control. Moreover, if you press the DOWN scroll key you will display the temperature settings that can be changed using the two UP/DOWN keys. Any change made is confirmed automatically within 3 seconds from the change or by pressing the confirmation key. A sound signal indicates that the change has been confirmed.



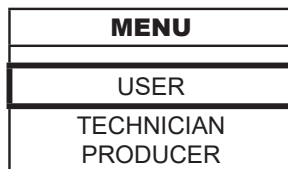
2- Icon indicating the status of the stove (see synthetic phase diagrams).

3- In the inactive phases (combined with the second part of the display) indicates the state of the stove. In the active phases, it indicates the operating power of the stove. In addition, by pressing the DOWN scroll button, you can display the power settings, that can be edited using the two scroll keys UP/DOWN: The confirmation of any change takes place automatically within 3 seconds from the change or by pressing the confirmation key. A sound signal indicates that the change has been confirmed.

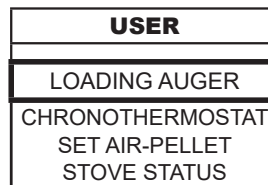


Time and date setting

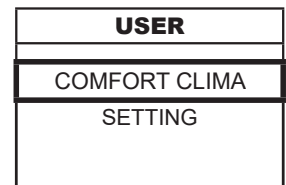
Below are given the steps for accessing the relative menu



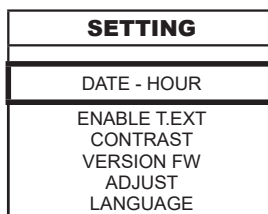
Press the key "access menu" to access the MENU page



Press the key "confirm" to access the USER page



Press the key "selection" for "selection" to switch to the second page of USER MENU and select SETTINGS.



Press the key "confirm" to access the SETTINGS page



Press the key "confirm" to access the page DATE-TIME



Press the increase key to change every single value



Press the decrease key to change every single value




Press "confirm" to confirm the settings and switch to the next value.




By pressing the key "back" for several times you will display the stand-by page.

PROCEDURES FOR USE


 If the chimney catches fire you must call the fire brigade immediately.


Checks prior to start-up

 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 and ash drawer seals are functioning properly;
- the electrical plug is connected correctly;
- all items that could burn (instructions, various adhesive labels) have been removed;
- the brazier, if removable, is correctly positioned in its housing.


 During the first hours of use the paints used for the stove finish may release an unpleasant odour. You might also smell the typical odour of metal parts subject to high temperatures. Make sure sufficient air circulation is guaranteed in the room. These unavoidable inconveniences will disappear after the first hours of operation. To reduce your discomfort to a minimum, keep the stove on for a few hours on low power and in the beginning, do not overload it, avoiding intense heating-cooling cycles


 At the initial start-up, the paint finishes drying and hardens. Accordingly, to avoid ruining it, we advise you not to touch the stove's painted surfaces at this time.

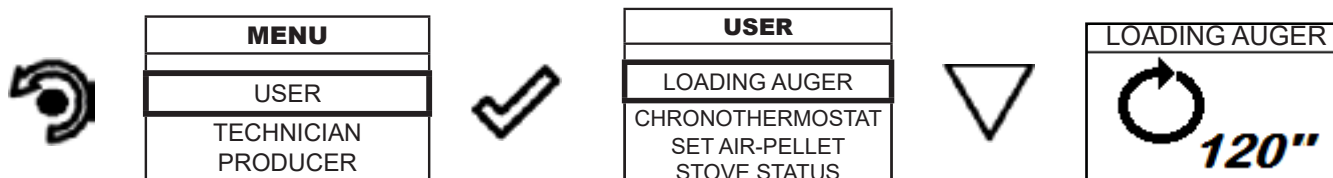
Auger loading

Before starting the stove for the first time, whenever the stove is in alarm "06 - Pellets finished", and in any case whenever the hopper has emptied completely, the initial feed screw loading is required. This phase serves to fill the pellet loading system so that, at the time of ignition, the correct pellet loading takes place in the brazier. In the event that the feed screw operations are not carried out, there may be stove ignition failures.

 After loading the auger and before lighting the stove, always remember to empty the brazier and check that the brazier is clean. Never empty the brazier inside the hopper.

 After each maintenance operation, make sure that the brazier is positioned correctly in its seat.

 In models with self-cleaning brazier it is not necessary to remove the pellets in the brazier: the pellets loaded are sufficient for subsequent ignition.



Press the "menu access" button to access the MENU screen.


Press the "confirm" button to access the USER screen

Press the "confirm" button to activate feed screw rotation

Switching the appliance on and off

From the "Home" screen, it is possible to switch the stove on and off by keeping the ON / OFF button pressed on the device for a few seconds. An acoustic signal will warn you that the appliance has switched on or off. In case it is not possible using your remote control you can switch the appliance on / off using the appropriate button on the electronic board.

 Do not switch off the heater by unplugging the plug from the wall socket.

 The appearance of the "SET RDS" message indicates that the initial parameter testing and calibration procedure was not carried out correctly. This indication does not imply blocking the stove (see SIGNALING POP UP section).

Failed ignition

If the system does not detect the ignition of the flame within the preset time, operation will be blocked with the “No ignition” alarm. Before relighting the stove, check that there are pellets in the hopper, that the door and ash drawer compartment are closed, that there are no obstructions to the combustion air inlet system and above all that, in models without self-cleaning brazier, the brazier is empty, clean and correctly positioned. If the problem persists, it could be due to a technical problem (ignition plug, adjustments, etc ...), so please contact a Ravelli CAT.



The accumulation of unburned pellets in the brazier after a failed ignition must be removed before proceeding with a new ignition.



The brazier could be very hot: danger of burns!



Never empty the brazier inside the hopper.

Setting operating temperature and power:

Set the two values following the indications given in the chapter “Description of the display”

OPERATING PHASES OF THE APPLIANCE

Sequence of ignition phases

IGNITION - initial pellet loading phase;

FLAME LIGHT - flame stabilization phase and reduction of combustible inside the brazier;



WORK - operation phase described in the dedicated chapter;



Modulation

During the work phase, the appliance should reach the room temperature set; when this condition is met, the stove switches to MODULATION mode in which fuel consumption is minimum.



If you wish to detect the ambient temperature by means of an external thermostat (optional), this must be connected to the appropriate connector on the rear side of the stove; and you will have to activate the reading in “SETTINGS - ENABLE THERMOSTAT.” On display appears the writing TON / TOFF based on thermostat request.



Connect an external thermostat with a simple dry contact, therefore, not powered, moreover, we recommend you use a thermostat with a minimum offset of 3°C if you intend to use the comfort clima function.

Description of menu functions



Press the key to access the MENU page

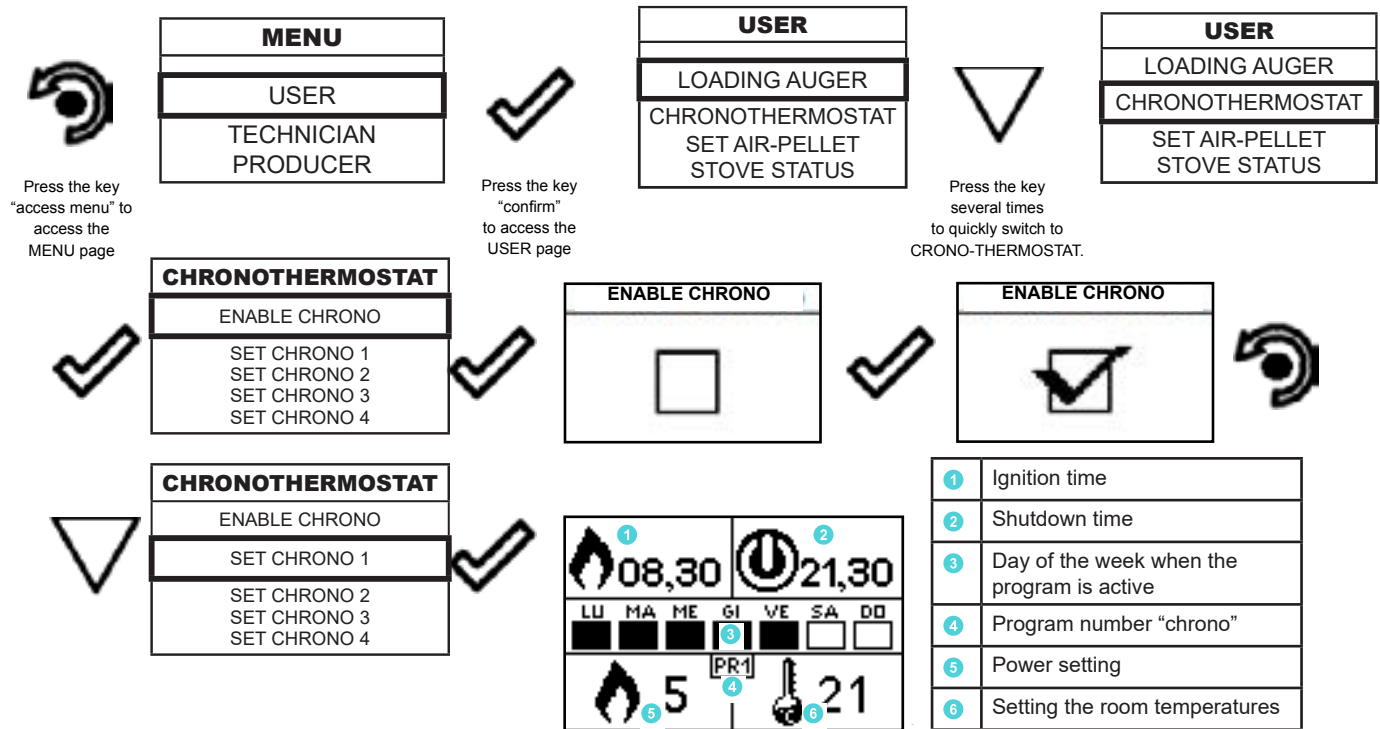
| |
|------------------------|
| MENU |
| USER |
| TECHNICIAN PRODUCER |



The TECHNICIAN and PRODUCER menus are password protected. Changing parameters within these menus could compromise the operation and safety of the stove. In this case the warranty will be invalidated.

Chronothermostat

With the Chrono-thermostat function you can program the automatic switch ON/OFF of the stove for each day of the week for each day of the week in 4 independent time intervals (SET CHRONO 1-2-3-4). Below are given the steps for accessing the relative menu starting from "Home" mode.



The exit key shows the CHRONO menu to set other variables related to the menu functions.

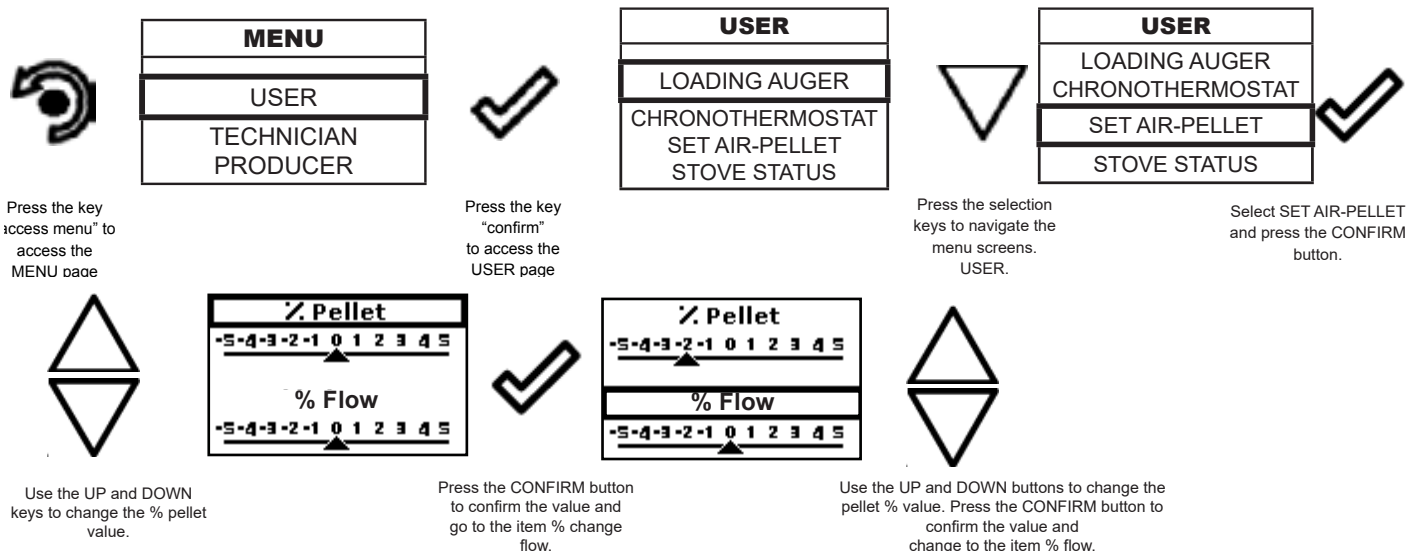
To exit the page and return to "Home" page, press the button repeatedly.

Set air - pellet

The setting of the PELLET-FLOW mixture allows to adjust the combustion by varying the quantity of pellets loaded in the brazier and/or the quantity of air. In fact, by its nature, pellets vary in grain size and composition: even bags of pellets of the same brand can have different characteristics.

If combustion is not optimal, vary the flow parameter to adjust the combustion air. If air regulation alone is not sufficient, it may also be necessary to modify the pellet parameter.

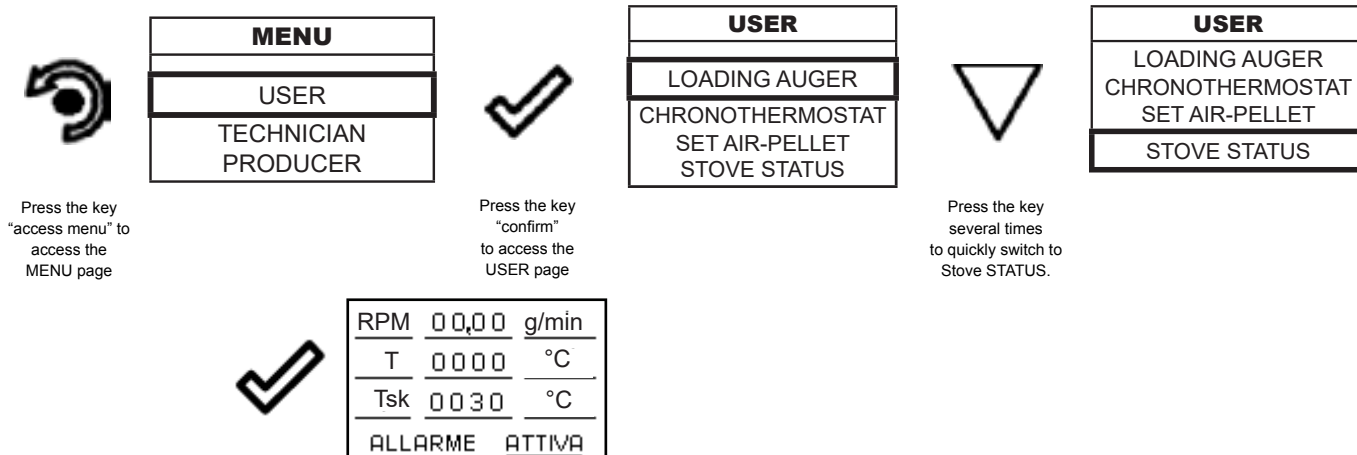
! Combustion regulation is an operation that requires a lot of experience. We recommend that you contact an Authorised Service Centre to calibrate the stove appropriately.



To exit the screen and return to the home screen, press the key repeatedly.

Stove status

Below are given the steps for accessing the relative menu starting from "Home" mode.



In this mode you can check the proper operation of the most important parameters of the appliance. Here is a list of real data of the stove useful for service during inspection.

- RDS current reading RDS (m/s)
- RPM current smoke extractor speed (rpm)
- T fumes temperature (°C)
- Indication of stove status
- SET set value RDS (m/s)
- Df cold probe temperature RDS (°C)
- Sk: electronic board temperature (°C)

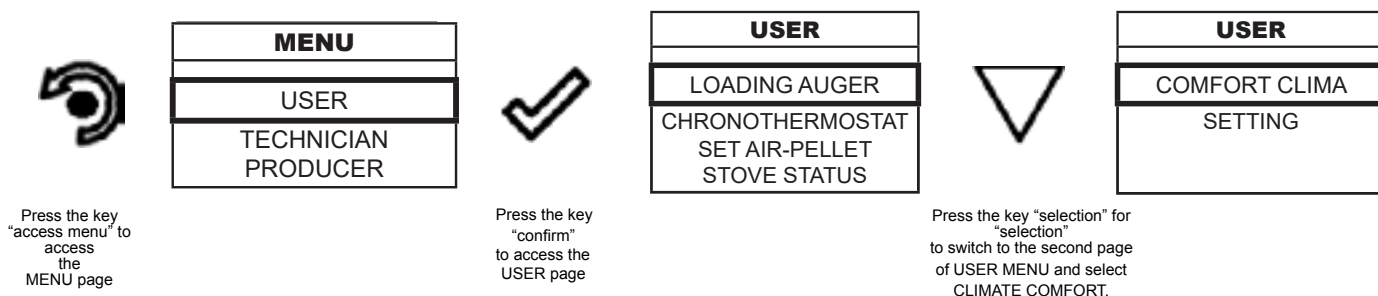


To exit the STOVE STATUS screen and return to the Home screen, press the key repeatedly.

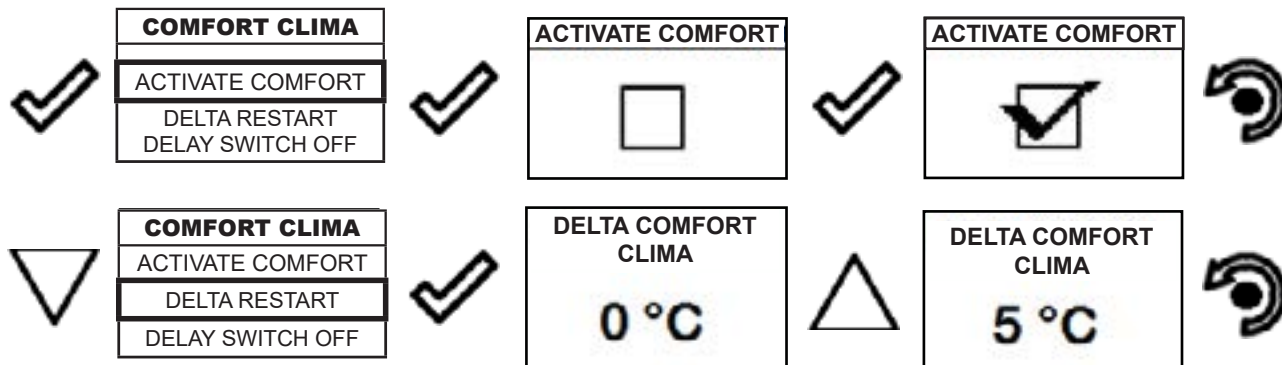
Comfort clima

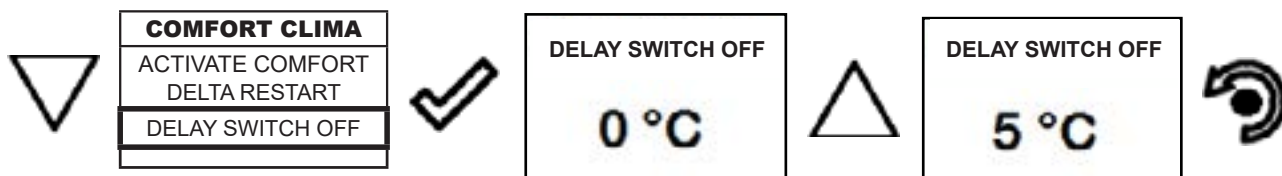
The activation of this function enables the stove to reduce pellet consumption by activating the modulation phases, after the desired temperature has been reached. Subsequently, the stove checks that the temperature is maintained steady for a preset time (DELAY SWITCH OFF). If this condition is met, it automatically switches off, and on display appears the writing ECO. The stove turns on again when the temperature drops below the set threshold (DELTA RESTART).

Below are given the steps for accessing the relative menu.



Once you have accessed the Comfort Clima menu, it is possible to operate on the 3 types of settings dedicated to the function:

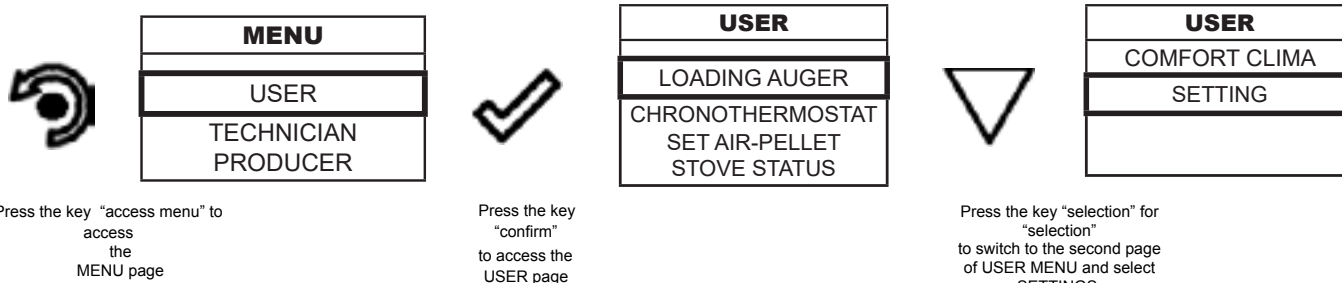




The first setting allows the activation of the COMFORT CLIMA function. This function is intended to ensure that the room temperature set is maintained steady upon setting the maximum period of "X" minutes (SWITCH-OFF DELTA Y: 5 MIN) before switching to ECO STOP phase. The STOVE maintains this state until the temperature drops below the set value (DELTA COMFORT CLIMA: 5°C). For example, with the room temperature at 21 °C, the stove switches off when this temperature is reached and restarts when the temperature reaches 16°C (21°C - 5°C). You can also activate the function using an external thermostat, keeping in mind that this does not include the value of hysteresis.

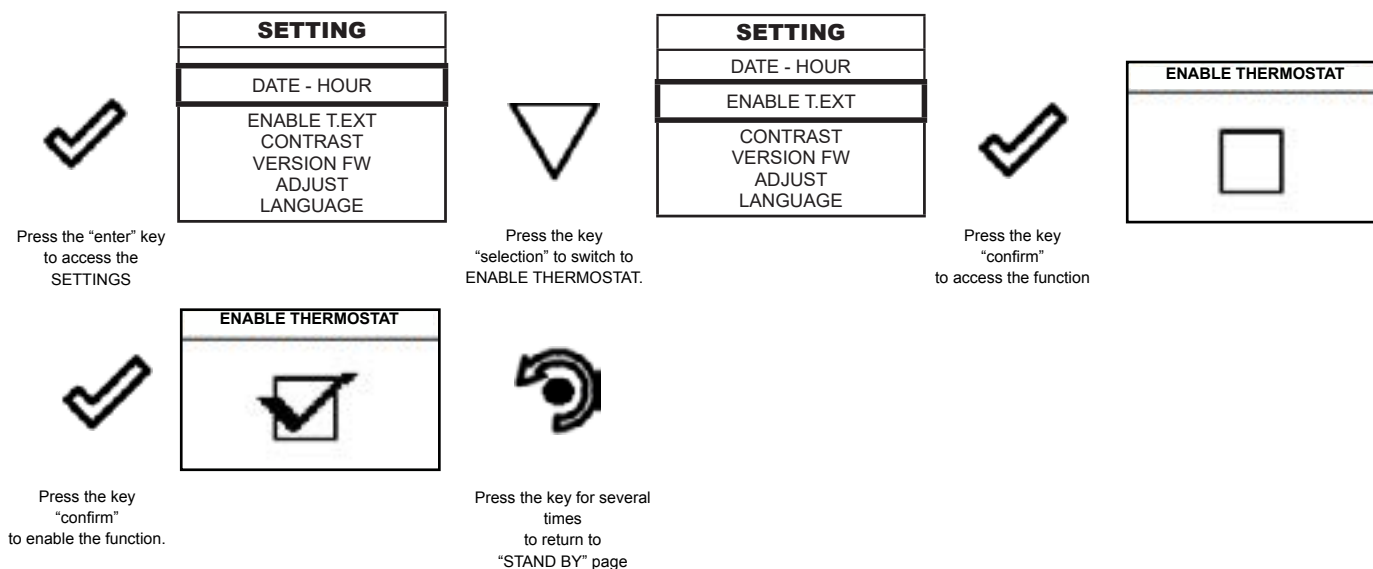
Setting

Below are the steps to follow, starting from the Home screen, to access the Home menu.



After following the above procedure

Settings > Enable thermostat



In "Home" mode, instead of room temperature measured and settable, appears the line T ON if the room in which the thermostat is installed has not reached the temperature requested or the writing T OFF if the temperature in the room is reached.

Settings > Contrast

With this function you can change the contrast setting to improve the display of your remote control. The contrast setting to improve the display of the remote control display.

| SETTING |
|--|
| DATE - HOUR |
| ENABLE T.EXT CONTRAST VERSION FW ADJUST LANGUAGE |

Press the key "confirm" to access the SETUP SETTINGS

| SETTING |
|----------------------------------|
| DATE - HOUR ENABLE T.EXT |
| CONTRAST |
| VERSION FW ADJUST LANGUAGE |

Press the key "selection" to switch to the function CONTRAST.

| CONTRAST |
|----------|
| 50 |

Press the key "confirm" to access the function

Use the UP/DOWN keys to change contrast setting and obtain a better visualisation of the information shown on the remote control set. The value can vary from 0 to 100. 50 with respect to the standard value.

By pressing the following key you will confirm of data and switch to the page within SETTINGS menu.

Settings > Firmware version

| SETTING |
|--|
| DATE - HOUR |
| ENABLE T.EXT CONTRAST VERSION FW ADJUST LANGUAGE |

Press the "enter" key to access the SETTINGS

| SETTING |
|---|
| DATE - HOUR ENABLE T.EXT CONTRAST |
| VERSION FW |
| ADJUST LANGUAGE |

Press the key "selection" to switch to CONTRAST.

| FIRMWARE |
|-------------------|
| AIR_TOUCH_MB01.00 |
| SNELLINA |
| AIR_TOUCH_UI01.00 |

Press the key "confirm" to access the function

By pressing the button you will confirm the data and switch to the page within the SETTINGS menu.

Settings > Adjust

The adjust function allows to modify the value read by the room probe inside the remote control, increasing or decreasing it by the set value (offset).

Make this adjustment carefully and only after having checked deviations from the actual room temperature with a reliable instrument!

| SETTING |
|--|
| DATE - HOUR |
| ENABLE T.EXT CONTRAST VERSION FW ADJUST LANGUAGE |

Press the key "confirm" to access the SETUP SETTINGS

| SETTING |
|---|
| DATE - HOUR ENABLE T.EXT CONTRAST VERSION FW |
| ADJUST |
| LANGUAGE |

Press the key "selection" to switch to the function VERSION FW.

| ADJUST |
|--------|
| 0° C |

Press the key "confirm" to access the function

UP" and "DOWN" buttons The value can vary from -10°C to 10°C. The standard value is 0°C.







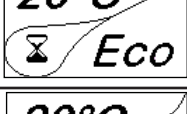





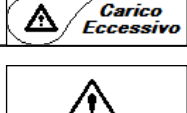
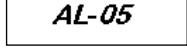
Pressing the following key allows you to confirm the data and move to the screen within the SETTINGS menu.


Settings > Language

To access the next setting, follow the steps given above or simply remove and replace the batteries.

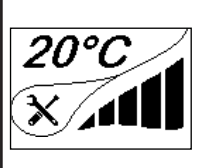
The device resets and prompts you again to select the language you want to set.

Stove phase general layout

| | PHASE | DESCRIPTION |
|---|-------------------------|---|
|  | FINAL CLEANING | The stove is in the switch off phase and the cooling phase has not been completed yet. |
|  | SWITCH ON | The heater pre-heating phase has started and the pellets start to fall into the grate. |
|  | FLAME LIGHT | The pellets ignite and take advantage of the heat in the intake air that passes through the incandescent heater tube. |
|  | WORK | The stove has completed the switch on phase and runs at maximum set power |
|  | MODULATION | The room temperature set has been reached. |
|  | FIRE POT CLEANING | Fire pot cleaning phase is active (periodic function). |
|  | ECO STOP | With Climate Comfort active, the stove switches to automatic switch-off mode when the room temperature set is reached (see the dedicated section). |
|  | WAITING START / RESTART | Switch-on is requested but with the stove in cooling phase; once this condition is met, it restarts automatically. |
|  | IGNITION RESTART | The HOT restart phase is activated. Functioning is similar to the SWITCH ON phase |
|  | HOT SMOKES | The maximum fume temperature threshold has been reached. To facilitate cooling, the stove brings the capacity to a minimum with ventilation at power level 5, leading to a decrease in fume temperature. |
|  | OFF | The stove is off |
|  | WAIT FOR PELLETS OUT OF | When the switch-on request from ECO STOP mode coincides with an automatic switch-off condition (from the TIMER), the stove turns on ensuring total cleaning of the fire pot before switching to FINAL CLEANING. |
|  | AUGER OVERFLOW | CONDITION: when the pellet setting (set pellets +5) is near the continuous load condition. SOLUTION: Set the value back to 0. |
|  | ALARM (generic) | The stove is in alarm state; refer to the troubleshooting chapter. |

| | | |
|--|--------------------------|---|
|  | ANOMALY (general) | The stove has detected an anomaly; refer to the troubleshooting chapter. By pressing the confirmation key, the problem is described. |
|--|--------------------------|---|

Warning Pop -Up

| | ANOMALY | DESCRIPTION |
|--|------------------------|--|
|  | SERVICE REQUEST | The threshold value of set work hours has been reached. The symbol displayed remains active throughout the work phase. Non-routine maintenance is required on the stove. |


Alarms (table with reference codes)


| | TITLE | REASON | SOLUTION |
|-------|----------------------------|--|---|
| AL 01 | BLACK OUT | No voltage during work phase | Press the switch off key and switch on the stove again If the problem persists, contact the Support Service |
| AL 02 | SMOKE PROBE FAILURE | The smoke probe is malfunctioning The smoke probe is disconnected from the electronic board | Contact the Support Service Contact the Support Service |
| AL 03 | OVERTEMP. SMOKE | Combustion in the fire pot is not optimal due to clogging or obstructions of internal stove ducts inside the stove | Switch off the stove, clean the fire pot and the tube bundle and adjust the combustion setting the Pellet/Air values Contact the Support Service If the problem persists, contact the Support Service |
| AL 04 | FAN BROKEN | Fume exhaust encoder is not working or is connected incorrectly No power to fume extractor. The fume extractor is blocked. | Contact the Support Service Contact the Support Service Contact the Support Service |
| AL 05 | NO IGNITION | The pellet tank is empty. Pellet calibration and suction during switch on phase is incorrect. The ignition coil is faulty or positioned incorrectly | Check for the presence of pellets in the container. Top up, if necessary. Contact the Support Service Contact the Support Service |
| AL 06 | NO PELLETS | The pellet tank is empty. The gear motor is not loading pellets. Not enough pellets loaded | Check for the presence of pellets in the container. Top up, if necessary. Empty the tank to see if there are any objects inside that may prevent proper operation of the auger. Regulate pellets setting from "SET AIR/PELLETS" If the problem persists, contact the Support Service |
| AL 07 | RESETTABLE THERMAL BREAKER | The manual reset thermostat connected to the hopper has been triggered Combustion in the fire pot is not optimal due to clogging or obstructions of internal stove ducts inside the stove | Reset the thermostat by pressing the button on the back of the stove Switch off the stove, clean the fire pot and the tube bundle and adjust the combustion setting the Pellet/Air values Contact the Support Service |
| AL 08 | DEPRESSION | The flue is blocked. The vacuum meter is faulty. | Check the flue is free and clean Check the mains voltage. |


| | | | |
|-------|---------------------|---|----------------------------------|
| AL 12 | FUME EXHAUST SYSTEM | The fume exhaust system has a loss of performance due to fan obstruction or voltage drop. | Check the mains voltage. |
| AL 14 | AUGER PHASE | No cable connection to power the gear motor | Check the mains voltage. |
| AL 15 | AUGER TRIAC | An internal part of the electronic board that controls the pellet auger is faulty. | Check the flue is free and clean |
| | | Possible voltage drops or incorrect input voltage | Check the mains voltage. |

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 | 1 DAY | 2-3 DAYS | 30 DAYS | 60/90 DAYS |
|--------------------|-------|----------|---------|------------|
| Fire pot | • | | | |
| Ash compartment | | • | | |
| Glass | | • | | |
| Combustion chamber | | • | | |
| Pellet tank | | | • | |
| Extraction duct | | | | • |

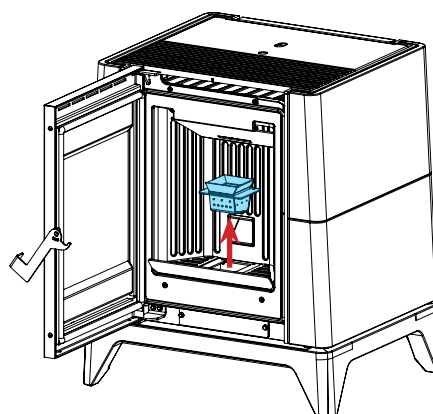
 It is recommended in the early periods of use of the stove, or of a new type of pellet, to carry out cleaning operations frequently, so as to be able to assess the exact frequency of intervention.

Fire pot cleaning

It is necessary to check that the fire pot where combustion takes place is well cleaned and that slag or residues do not obstruct the holes. This precaution will ensure excellent combustion, avoiding the failed ignition of the stove. Cleaning must be carried out daily, before each ignition. For a small cleaning, you can leave the fire pot in the stove, but if the residues are difficult to remove, you have to take it out of its housing and scrape the slag.

The quantity and consistency of the ash residue depends on the quality of the pellets used.

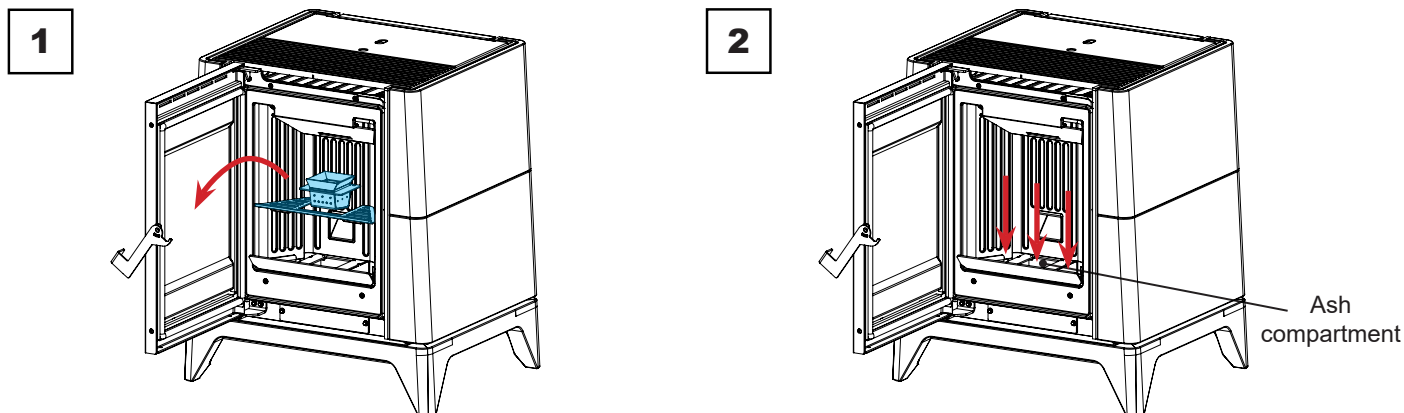
 After each maintenance operation, make sure that the fire pot is positioned correctly in its seat.



Cleaning the ash compartment

The ash compartment 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 compartment, proceed as follows.



Vacuum the residues present in the ash compartment with a suitable ash vacuum cleaner, making sure that the ashes are completely extinguished.

Glass cleaning

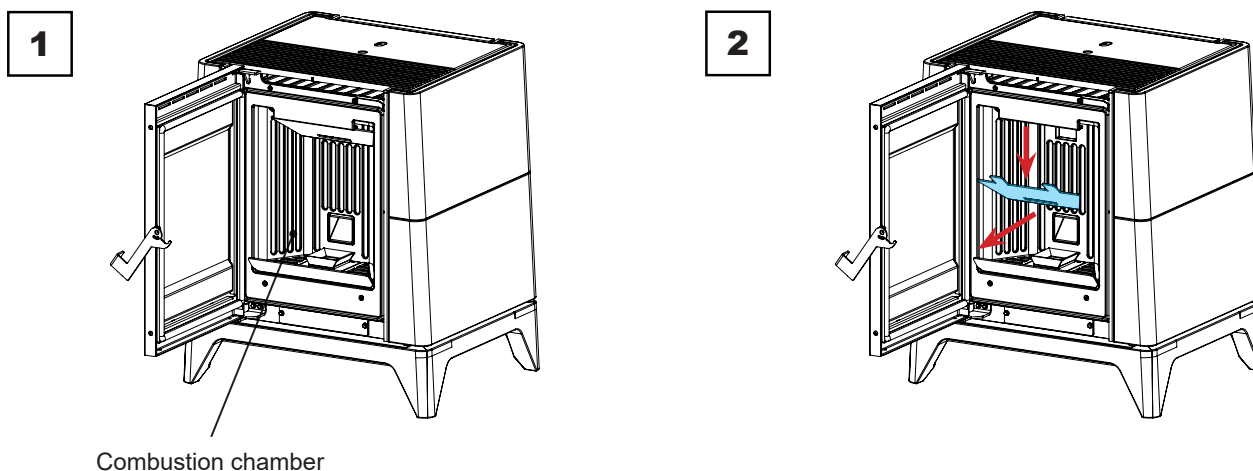
With a cold stove, clean the glass with a cloth and glass cleaner.

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. |
| 2 | To remove the ash remains from the top of the combustion chamber, the flame trap has to be removed. To remove the flame trap, lift it up from its seat and rotate it. |



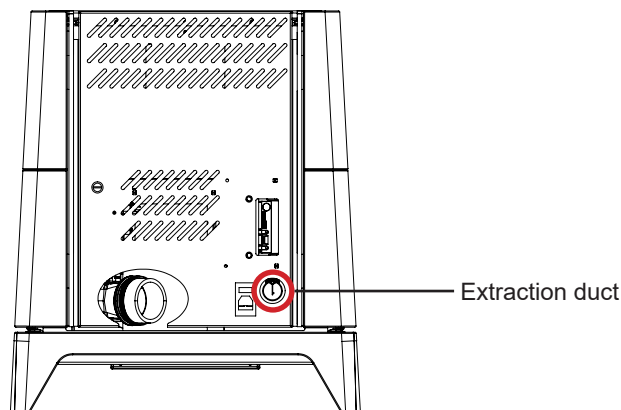
Cleaning the pellet tank

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 | • |

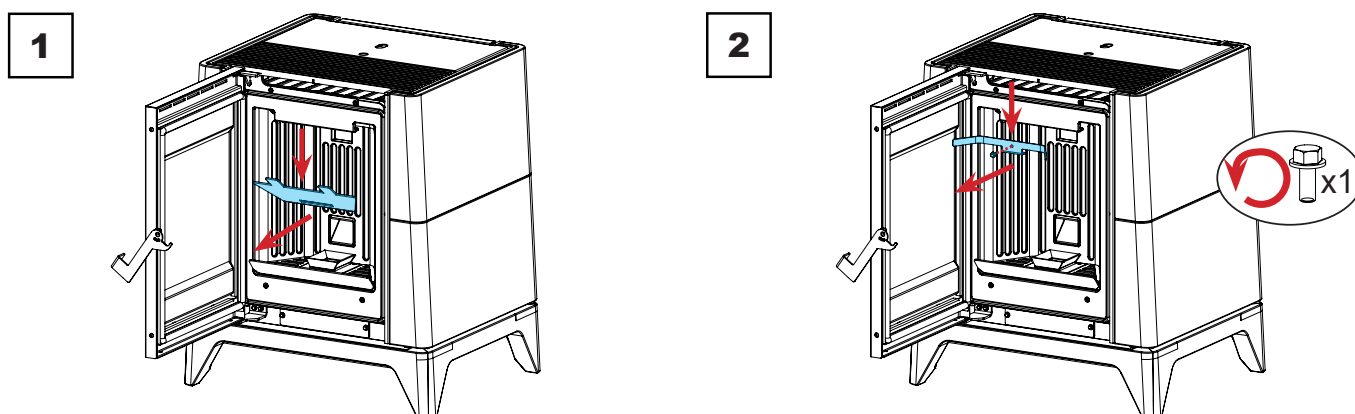
Schedule the above extraordinary maintenance activities with the Authorised Assistance Centre.

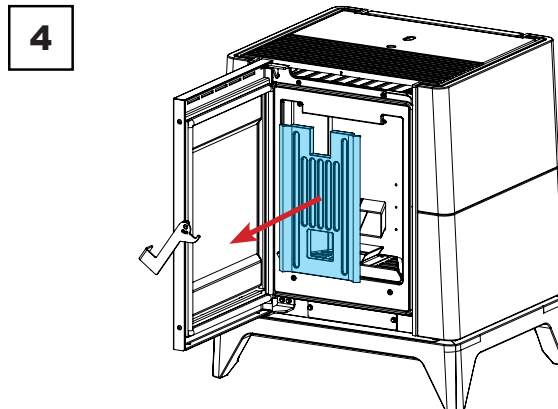
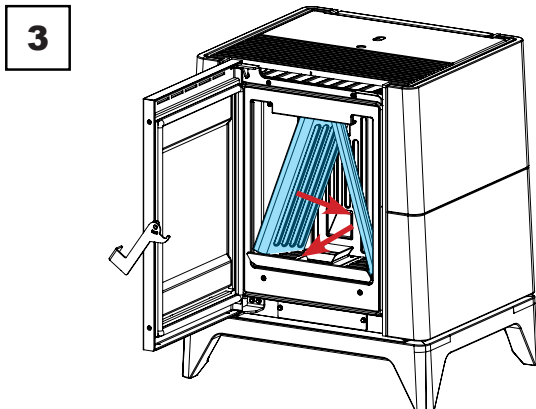
Deep combustion chamber cleaning

- 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 gaskets



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

- door
- inspection hatches

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

Smoke conduit cleaning

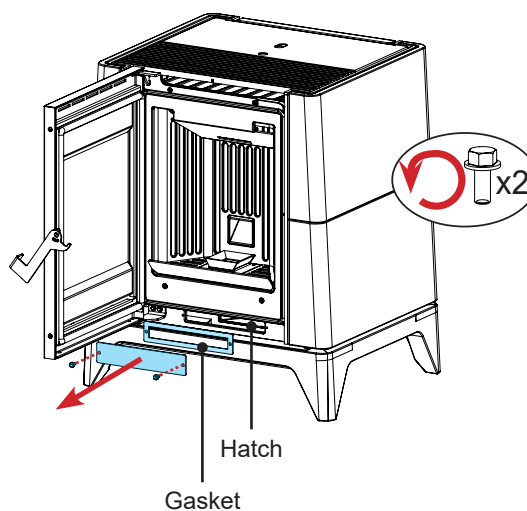


This operation must be carried out by a Ravelli Assistance Centre. Schedule this type of cleaning with the Ravelli Assistance Centre.


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 | Open the hatches |
| 2 | 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.



Failure cases

| Problem | Causes | Possible remedies | Alarm signal |
|---|--|--|----------------|
| No pellets are loaded into the combustion chamber | The pellet tank is empty | Load the pellets into the tank | AL 05 AL 06 |
| | The auger is blocked | Empty the tank to check that no objects have fallen inside that prevent the auger from rotating | AL 05 AL 06 |
| | The auger rotates but no pellets are loaded | Check that the pellet feed channel into the combustion chamber is free from obstructions, such as sawdust, stuck pellets or other objects. In this case, free from obstruction, it is advisable to contact the Technical Assistance Service. | AL 05 AL 06 |
| | Faulty gearmotor | Replace the gearmotor (contact the Technical Assistance Service.) | AL 05 AL 06 |
| | Defective electronic board | Replace the electronic board (contact the Technical Assistance Service.) | |
| | Triac failed | Replace the electronic board (contact the Technical Assistance Service.) | AL 15 |
| The flame does not ignite | Check that the igniter warms up | Check and, if necessary, replace the igniter | AL 05 |
| | Air inlet duct blocked | Check the patency of the air inlet duct | |
| | Incrustations in the brazier that block the passage of air from the igniter | Verification and removal of incrustations | AL 05 |
| | Pellet loaded in insufficient ignition | It is advisable to contact the Technical Assistance Service to have the initial load adjusted. | AL 05 |
| Excessive gas formation during stove ignition | Excessive load of pellets during ignition | It is advisable to contact the Technical Assistance Service to have the initial load adjusted. | |
| | Obstructed drain | Clean the smoke duct | |
| |  In case of excessive gas formation inside the combustion chamber during the ignition phase, it is advisable not to stand in front of the stove and not to approach the combustion chamber glass, but to wait for the flame to ignite in a safe place . For more information see the paragraph "What to do in case of overload during ignition" | | |

| Problem | Causes | Possible remedies | Alarm signal |
|---|---|---|----------------|
| The flame goes out | The pellet tank is empty. | Load the pellets into the tank | AL 05 AL 06 |
| | Pellet is not loaded | See previous problem | AL 05 AL 06 |
| | The safety reset thermostat has intervened | Check that the water is free to circulate in the stove and in the system, for example by checking the shut-off valves. Let the stove cool down, reset the reset thermostat, reset the alarm and turn the appliance back on; if the problem persists, contact the technical assistance service | AL 07 |
| | Open combustion chamber door and / or ash drawer. | Close the combustion chamber door, the ash drawer or the hopper lid | AL 07 |
| | Inadequate pellets | Change the type of pellets with one recommended by the manufacturer | AL 05 AL 06 |
| | Inadequate air / pellet ratio | Adjust the "AIR-PELLET SET" setting: decrease the air set and, if necessary, increase the pellet set | AL 05 AL 06 |
| | Dirty combustion chamber | Clean the combustion chamber following the instructions in the booklet | AL 05 AL 06 |
| | Smoke extraction motor failure | Check and replace the motor if necessary | AL 04 |
| | Obstructed drain | Clean the smoke duct | AL 08 |
| The stove stops automatically | The door is not closed perfectly or the gasket are worn | Close the door and have the gaskets replaced with original ones | AL 05 AL 06 |
| | Alarm presence | Check the alarm table | (Any alarm) |
| | Active chronothermostat | Check if the chronothermostat is active | |
| The pellets accumulate in the brazier and the flame is weak | External thermostat enabled | Check the settings of the external thermostat | |
| | Insufficient combustion air | Make sure that the air intake in the room is present and free | |
| | The door is not closed perfectly or the gasket are worn | Close the door and have the gaskets replaced with original ones | |
| | Smoke duct blocked | Clean the smoke duct | |
| | Inadequate air / pellet ratio | Adjust the "AIR-PELLET SET" setting: decrease the air set and, if necessary, increase the pellet set | |
| | Wet or inadequate pellets | Change the type of pellets | |
| The flue gas fan does not work | Smoke extraction motor faulty | Check and replace the motor if necessary | AL 04 |
| | The engine is broken | Check the motor, the capacitor, and the wiring and replace them if necessary | AL 04 |
| The air fan never stops | The card is defective | Replace the electronic board | |
| | Fume probe faulty or broken | Check the operation of the probe and replace it if necessary | |
| The air fan does not turn on | Defective electronic board | Replace the electronic board | |
| | The appliance has not reached the threshold temperature | Please wait | |
| | The air fan is broken | Replace the fan | |

| Problem | Causes | Possible remedies | Alarm signal |
|---|--|--|--------------|
| No communication between the stove and the remote control | Remote control not associated with the stove | Pair the remote control to the stove following the instructions given here | |
| | Radio interference | Evaluate the presence of other radio devices in the vicinity | |
| | Remote control firmware not compatible with stove firmware ("LINK" message appears on the display) | Contact the technical assistance service to update the remote control FIRMWARE | |
| | Communication component of the card or remote control faulty | Replace electronic card or remote control | |
| The remote control does not work | Remote control battery low | Replace battery or connection to the stove via cable | |
| | Faulty remote control | Replace remote control | |
| The stove always works at maximum power | Temperature not set correctly | Set the remote control temperature again | |
| | Remote control position not optimal for detecting room temperature | Place the remote control in another location | |
| | Additional temperature probe or external thermostat (if present) faulty | Check probe or thermostat and replace if necessary | |
| | Defective or broken remote control | Check the remote control and replace if necessary | |
| The stove does not turn on | Lack of electricity | Check that the power plug is inserted and the switch in the "I / ON" position. | |
| | Fuse tripped following a fault | Replace the fuse with one having the same characteristics (5x20 mm T 3.15A) | |
| | Clogged exhaust or smoke duct. | Clean the smoke outlet and / or the smoke duct | |

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.

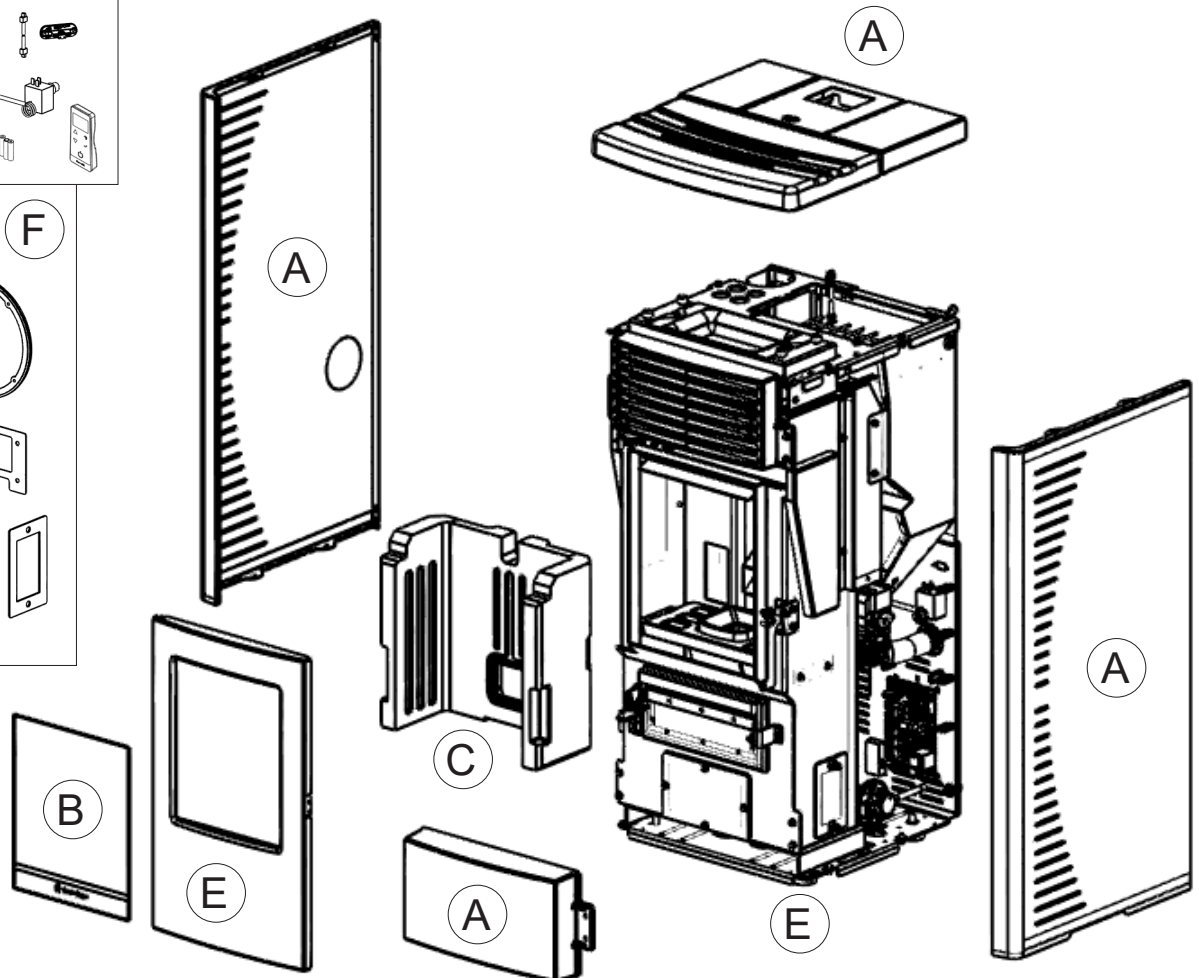
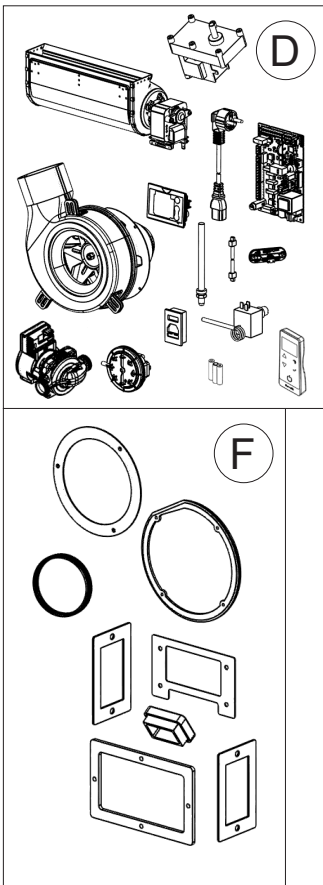
Disposing of the product as sorted waste avoids any negative consequences on the environment and health deriving from unsuitable disposal and it recovers the materials that the stove is composed of in order to save considerable energy and resources.

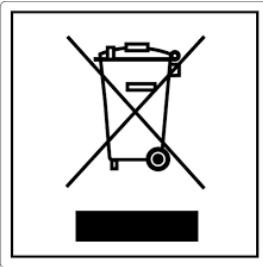
The following table and relative exploded view (image for illustrative purposes only) to which it refers, highlights the main parts that can be found in the device and the instructions for their correct separation and disposal at the end of their service life.

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.

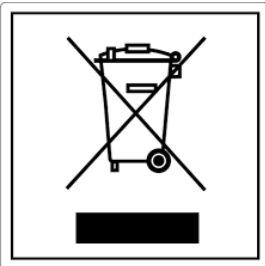
DEU-Informationen für die Entsorgung von elektrischen und elektronischen Altgeräten, die Batterien und Akkus enthalten

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.



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