

# BILBAO UNI

## Installation and operating manual

BILBAO UNI

**This product is not suitable as the main source of heat.**

01.10.2026 · SVT

Sources: manufacturer Manual - BILBAO - EN 16510-1.pdf (16.06.2025), DoP TV-DoP-2025-05/EN (30 September 2025) and manufacturer model data. All 17 sections, guarantee and disposal instructions are retained as applicable to this model. This is an adapted SVT edition. Declared performance and clearances come from the DoP.

THORMA Výroba s.r.o.

Šávoľská cesta 1, 986 01 Filákov, SLOVAKIA

[www.thorma.sk](http://www.thorma.sk)

EN 16510-1 ed.2:2024 · EN 16510-2-1:2025

30-17349/5/T · 15.04.2025

1015-AoP-30-17349/5/TZ · 25.04.2025

## 1 General information

BILBAO UNI (BILBAO UNI) is a stove without a water circuit. Direct nominal heat output with wood is 11.5 kW.

The appliance is intended for supplementary, intermittent space heating and is not suitable as the main heat source. It has one heat-output level and no room-temperature control. Check the model and serial number on the rating plate. This edition is based on the shared BILBAO family manual. Dimensions of other models must not be applied to this appliance.

A suitable base, leg or wood-storage stand for the BILBAO UNI stove module is selected and ordered separately. The installer must check its suitability, stability and load-bearing capacity.

## 2 Installation

A qualified professional must install the stove and is responsible for correct installation and connection. Observe local building and fire regulations and applicable national and European standards. Inform the competent inspector or chimney sweep before installation.

Connect the stove to an existing chimney using a connecting flue pipe. The pipe must be as short and straight as possible, horizontal or slightly rising. All joints must be tight. Ensure sufficient combustion air even where windows and doors close tightly.

Calculate the chimney according to EN 13384-1 or EN 13384-2, using the values in section 17 and the appliance DoP. The manufacturer's manual specifies chimney temperature class T400. A professional must assess the suitability of the complete flue system.

Check the supporting floor's load-bearing capacity. If it is insufficient, take appropriate measures, such as a load-distributing plate. Stand the stove on a suitable fire-safe base.

### 3 General safety instructions

Combustion heats the body, firebox door, handles, controls, glass and flue pipes. Do not touch these parts without suitable heat-resistant protective equipment, such as protective gloves.

Warn children about the risk of burns and keep them away from the stove during use. Do not use the stove if the door seals are damaged. Close all adjustable combustion-air inlets only after combustion has ended completely. Do not close them while fuel or glowing embers are still burning.

### 4 Permitted fuels

The permitted fuel is wood logs up to 25 cm long and 30 cm in circumference, with moisture content not exceeding 25%. Other fuels are not permitted. Use only air-dried wood. The manufacturer's instructions do not list lignite or wood briquettes as permitted fuels.

Burning waste, particularly plastics, is prohibited. It damages the stove and chimney, threatens health and may disturb neighbours through odours and emissions. Liquid fuels are not permitted.

The manufacturer states that wood with moisture content not exceeding 20% can be obtained by drying softwood for at least one year and hardwood for two years. Actual moisture depends on storage conditions; check it before firing.

Wood is not a slow-combustion fuel. The stove is not intended for uninterrupted wood firing throughout the night.

### 5 Lighting

The protective paint may give off an odour during the first firing; this should soon disappear. Ventilate the room well. Prompt, correct lighting is important because an incorrect procedure increases emissions.

As specified by the manufacturer, use paper, wood chips and a small amount of fuel for lighting. Never use alcohol, petrol or other flammable liquids. Both primary and secondary combustion air must be supplied during lighting.

Add fuel once the kindling is burning properly. Do not exceed the quantities in section 14. Supervise the stove during lighting and adjust the air for the fuel in use.

## 6 Operating several appliances

When several heating appliances operate in the same room or rooms sharing an air supply, ensure enough combustion air for all of them. A professional must assess whether a shared chimney is permitted and adequately sized; see also section 9.

## 7 Operation in the transition season

As the outdoor temperature rises, chimney draught may weaken at a low firing rate and flue gases may not be removed completely.

In this situation, add only a small quantity of fuel and open the primary-air control so the fuel burns more quickly with a flame and the draught stabilises. Rake ash carefully from the grate more often to improve the air supply beneath the fire. If smoke enters the room, stop adding fuel and have the cause investigated.

## 8 Cleaning and inspection

Check deposits in the stove and connecting flue pipes and clean them at least once a year, or more frequently, for example during chimney sweeping. Have the chimney swept regularly by a chimney sweep; a competent professional determines the interval under applicable requirements.

An expert must inspect the stove annually. Do not clean the stove with a damp cloth. Carry out cleaning and maintenance only when the appliance has cooled.

Do not clean the stove with a damp cloth.

## 9 Appliance versions and the firebox door

A stove with a spring-operated, self-closing firebox door may share a chimney with other appliances only if the chimney design and dimensions comply with EN 13384-2 and a professional confirms that the connection is suitable.

Keep the firebox door closed during operation. It may be opened for lighting, adding fuel and removing ash. An open door can disturb other connected appliances and allow flue gases to escape into the room.

The stove is designed for intermittent operation.

## 10 Combustion air

The stove draws air from the room and needs an adequate, continuous supply of combustion air. In rooms with tightly closing windows and doors, a lack of fresh air may impair draught and threaten the safety of occupants.

If necessary, provide an air opening near the stove or a combustion-air duct from outside or a well-ventilated room. The manufacturer excludes a boiler room as the source. Keep combustion-air ducts open while the stove is in use.

Extract ventilation or a cooker hood in the same room can produce negative pressure and draw smoke into the room even with the firebox door closed. The manufacturer's instructions prohibit operating such extraction at the same time as the stove.

An external-air connecting socket can be fitted at the bottom of the stove's rear. The manufacturer specifies a flexible pipe with an internal diameter of Ø100 mm. Fitting an outside-air supply does not automatically make the stove independent of room air.

## 11 Fire protection

Observe the clearances in DoP TV-DoP-2025-05/EN, reproduced below. Every area in the table must be considered, not only the area in front of the firebox door.

The DoP uses separate terms "Front floor" and "Side radiation area". Their original wording is retained to prevent different parameters being confused. "Minimum distance from flammable materials" is a separate 800 mm entry in the DoP.

Protect combustible flooring in front of the firebox door with a non-combustible hearth. The manufacturer's operating manual specifies an extension of at least 500 mm in front of the door and 300 mm on each side. These hearth dimensions do not replace the DoP's 1500 mm front-floor distance.

The original manual describes reducing the glass-door radiation distance to 400 mm using a protective shield ventilated on both sides. The DoP-based clearances in this edition are not reduced on that basis. Observe the rating plate and stricter local requirements. The installer must check the fire safety of the complete installation.

| DoP distances to combustible materials    | mm   |
|-------------------------------------------|------|
| Front floor (DoP wording)                 | 1500 |
| Ceiling                                   | >750 |
| Rear wall                                 | 200  |
| Side                                      | 200  |
| Side radiation area                       | 1500 |
| Minimum distance to combustible materials | 800  |

## 12 Spare parts

Use only spare parts approved or supplied by the manufacturer. Contact a specialist retailer for spare parts. Unauthorised modifications to the appliance are prohibited.

## 13 Chimney fire

Deposits in a chimney may catch fire when unsuitable or damp fuel is used. Immediately close every combustion-air inlet and call the fire service on 112. Do not attempt to extinguish a chimney fire with water.

After the fire, an expert must check the chimney for cracks, leakage and fitness for use. Do not resume firing before it has been inspected.

## 14 Nominal output, air adjustment and burning time

Nominal output with wood is 11.5 kW and required draught is 12 Pa. Maximum fuel charge per refuelling is 3.75 kg, with an approximate burning time of one hour. Logs must be no longer than 25 cm and no more than 30 cm in circumference.

At nominal output, set the air-control arm below the firebox door perpendicular to the front wall of the stove: primary air fully closed and secondary air fully open. Operate the control with the auxiliary handle supplied with the appliance.

Open both air supplies during lighting. Do not exceed the maximum fuel charge or leave lighting unattended.

## 15 Space-heating capacity

The manufacturer estimates heating volumes under DIN 18 893 as 220 m<sup>3</sup> in favourable conditions, 180 m<sup>3</sup> in poor conditions and 120 m<sup>3</sup> in unfavourable conditions. These apply to rooms whose insulation does not meet thermal-insulation requirements. Reduce them by 25% for heating interrupted for more than eight hours. Actual heat demand depends on building heat loss.

## 16 Technical data

Declared performance comes from DoP TV-DoP-2025-05/EN, signed on 30 September 2025. Net weight of 130 kg comes from the manufacturer's product page. The DoP does not declare minimum output or efficiency at minimum output. The appliance has no water circuit.

Dimensions H × W × D: 569 × 770 × 476 mm (manufacturer BILBAO UNI product page). The manufacturer associates BILBAO UNI with DoP TV-DoP-2025-05 and certificate CPR-B-00738-25. BILBAO UNI is the stove body; a leg or cube base is selected separately, and the overall height depends on the selected base.

| Parameter                                     | Wood logs |
|-----------------------------------------------|-----------|
| Nominal heat output                           | 11.5 kW   |
| Efficiency at nominal output                  | 77%       |
| CO (13% O <sub>2</sub> ), mg/Nm <sup>3</sup>  | 1245      |
| PM (13% O <sub>2</sub> ), mg/Nm <sup>3</sup>  | 30        |
| OGC (13% O <sub>2</sub> ), mg/Nm <sup>3</sup> | 104       |
| NOx (13% O <sub>2</sub> ), mg/Nm <sup>3</sup> | 103       |
| Seasonal heating efficiency                   | 67%       |
| EEl                                           | 102       |
| Energy class                                  | A         |
| Fuel consumption                              | 3.75 kg/h |
| Flue-gas mass flow                            | 8.1 g/s   |
| Required chimney draught                      | 12 Pa     |
| DoP outlet temperature                        | 463 °C    |

| Parameter                                        | Value              |
|--------------------------------------------------|--------------------|
| Dimensions H × W × D (manufacturer product page) | 569 × 770 × 476 mm |
| Net weight                                       | 130 kg             |
| Top flue connection                              | Ø150 mm            |

## 17 Chimney connection

Use the DoP values for chimney calculations: with wood, outlet temperature 463 °C, mass flow 8.1 g/s and minimum draught 12 Pa.

The flue connection is at the top, diameter 150 mm. The original manual section 17 states 427 °C; this edition uses the DoP outlet temperature. Different temperature parameters must not be confused. A qualified professional is responsible for connection suitability and chimney calculations.

## Guarantee and complaints

If a failure, malfunction or surface defect occurs during the guarantee period, do not repair it yourself. Guarantee work is carried out by the manufacturer or service provider appointed by the distributor.

The manufacturer guarantees quality, operation and construction for two years from purchase. Manufacturing defects are remedied at the manufacturer's expense if the stove has been used according to the instructions, properly connected to the chimney, not mechanically damaged by force, and not subjected to modifications, unauthorised repairs or unskilled handling.

State your full address and the circumstances of the fault when making a complaint. The manufacturer requests the guarantee certificate showing the purchase date and sales-point stamp. Ask for the certificate to be completed legibly at purchase. The manufacturer determines how and where repairs are carried out.

The original manufacturer's instructions ask purchasers to check the firebox-door glass and state a 15-day guarantee for the glass. This reproduces a condition in the manufacturer's original text; the manufacturer's guarantee does not restrict applicable statutory consumer rights.

Excessive fuel, excessive air supply and unapproved fuels are prohibited. Overheating may cause deformation of the firebox ceiling, door damage, a burnt-out grate, cracked vermiculite and a change in surface colour. The manufacturer will not accept damage caused by incorrect operation as a guarantee defect.

Replacement or cancellation of the purchase contract is governed by applicable provisions and the complaints procedure.

## Packaging and end-of-life disposal

The manufacturer recommends sending steel and PE bands, corrugated cardboard and PE packaging to waste collection, and using wooden packaging parts as firewood. Burn only clean, untreated wooden parts that meet the permitted-fuel requirements.

At the end of its service life, disconnect the cold stove from the chimney. Send metal parts to scrap-metal collection and vermiculite fittings and heat-resistant door glass to appropriate waste collection. Follow local sorting and disposal instructions.

## Guarantee certificate

The manufacturer requires fields marked (\*) on the guarantee certificate. Its original text states that the certificate is invalid without these details. Complete the applicable fields and cross out those that do not apply.

BILBAO UNI · BILBAO UNI

Product model and type \*

---

Serial number \*

---

Quality class \*

---

Production date, technical-inspection stamp and signature \*

---

Sales-point stamp, purchase date and signature \*

---

Installer and contact details

---

Installation date and checked draught

---

Guarantee repair: from / to / repair-shop stamp and signature

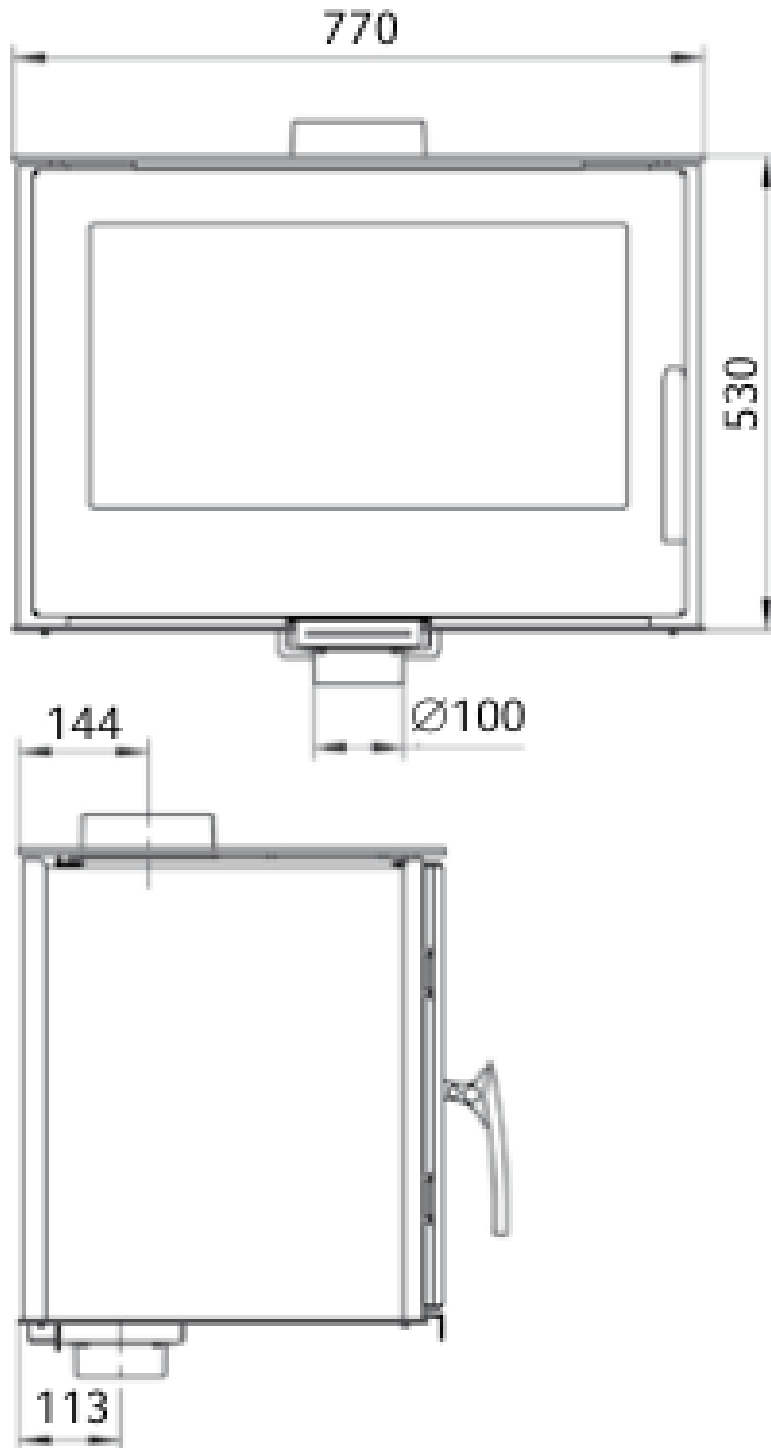
---

---

---

## BILBAO UNI manufacturer dimensional sketch (catalogue)

Original manufacturer drawing. Dimensions in millimetres. Check appliance dimensions and fitting extents during installation.



Drawing from the BILBAO UNI diagram on page 17 of the manufacturer 2025 standard catalogue. The diagram shows a 530 mm firebox-body height and a 100 mm air connection below. Product-page dimensions are 569 × 770 × 476 mm. The overall height with a leg or cube base depends on the selected base.