

3. Safety Distances

Within a radius of 80 cm in front of and 50 cm around the stove, flammable, combustible, or heat-sensitive materials (e.g. furniture, wood or plastic panelling, curtains, etc.) are not allowed to be located in the heat radiating area of the fire box window (Fig. 1).

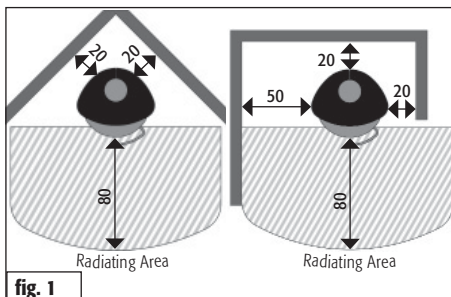
With regard to flammable materials beyond the heat radiating area, a safety distance of 20 cm at the sides of the stove and 20 cm behind the stove has to be adhered to (Fig. 1).



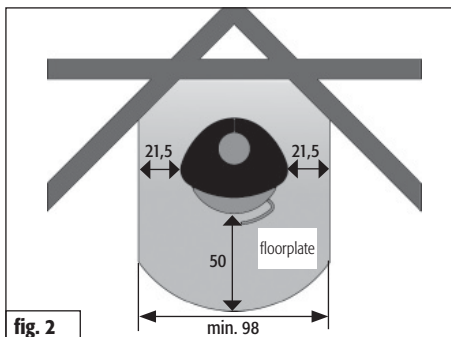
WARNING!

Flammable flooring materials (e.g., wood, laminate, carpeting,) must be protected with a floorplate made of non-combustible material (e.g., tiles, safety glass, slate, or sheet steel).

The size of the floorplate must be larger than the base of the stove by at least 50 cm in front and at least 21,5 cm at the sides of the stove (Fig. 2).



Dimensions in cm



Dimensions in cm

4. Fuel Load Sizes and Thermal Output

The thermal output depends on the amount of fuel you put in the stove. When adding more fuel, please do not exceed the maximum fuel load size of 2 kg. Exceeding the maximum fuel load size leads to a danger of overheating, which can result in damage to the stove and the risk of a stove fire.



NOTE!

To attain a thermal output of approx. 7 kWm, burn wood logs that weigh 1.7 kg and are no longer than 30 cm in length for about 45 min. (1.7 kg / 60 min. at browncoal briquettes)



NOTE!

To attain a thermal output of approx. 4 kWm, burn wood logs that weigh 0.7 kg and are no longer than 25 cm in length for about 35 min. (0.8 kg / 60 min. at browncoal briquettes)

The Bilbao is intended for intermittent operation, please only apply one fuel layer at a time.

11. Technical Data

The **Bilbao**, certified in compliance with **DIN-EN 13240 : 2001 + A2 2004 and Art. 15 a B-VG (Austria)**, can only be operated when the fire box is closed; more than one device can be connected to the chimney.

VKF-No.: 16840; **Inspection Report No. (A):** FSPS-Wa-1536-A

The following data applies to the chimney characteristics in accordance with EN 13384-1 / 2:

Combustion Values	Wood	Briquette	
Nominal Thermal Output	7	7	kW
Waste Gas Mass Flow Rate	7,0	7,0	g/s
Waste Gas Outlet Temp.	290	290	°C
Min. Supply Pressure at Nominal Thermal Output	12	12	Pa
CO content at 13% O ₂	1096	826	mg/m ³
Efficiency	78	84	%
Particulate	44	14	mg/m ³

Depending on the insulation of the building, the nominal thermal output of **7 kW** indicated on **25 - 95 m²** (subject to change)

Dimensions:	Height	Width	Depth
Stove	127 cm	54,5 cm	49 cm
Fire box	40 cm	32 cm	30 cm

Weight (ceramic / soapstone): 165/215 kg

Fire Box Opening: 1220 cm²

Flue pipe diameter: 15 cm

Pipe diameter of Hase ventilation system* 10 cm

* For separate air supply in low-energy houses and insufficient combustion air supply in the room where the stove is installed

