

NEW, MORE SUSTAINABLE BUILDINGS WITH MCZ HEATING SYSTEMS

Reducing the environmental impact. Improving the quality of life. In a nutshell, these are the benefits of the wood and pellet heating systems by MCZ.

Newly built houses are designed to combine maximum efficiency with energy savings and, as a result, a heating system plays a crucial role. A high quality of life in winter depends on the type of system used.

By constantly investing in R&D, **MCZ stoves and fireplaces** have evolved to such **an extent that heat can now be managed like a gas boiler**: you can choose when to switch them on or off, vary the power as needed, and even heat up the water in bathrooms and kitchens.

In any case, choosing a stove or a closed fireplace ensures **very high performance levels** at a much lower cost than fossil fuels. For example, pellet-fired heating costs about 25% less than methane and two times less than diesel oil. **Environmental sustainability** is as important as economic sustainability: the amount of carbon dioxide (CO₂) emissions from pellet combustion is equivalent to the amount absorbed, during its life cycle, by the tree from which it comes. In other words, as far as emissions of CO₂ are concerned, the balance is perfectly neutral: its combustion does not play a part in the greenhouse effect.

Environmental and economic sustainability and general well-being: these are the reasons why MCZ systems, especially pellet systems, are among the most popular in Europe.

Here are the answers to some frequently asked questions.

Pellets or wood, which is best?

For a new house, it is worth asking this question straight away, since the choice of fuel will significantly **influence the type of flue to be built**.

With a pellet product, smoke expulsion is easier, meaning that the flue is less 'challenging' compared with the one required for a wood-burning fireplace. For example, it has a smaller diameter and fewer limitations with regard to configuration and overall length.

However, choosing between pellets and wood also **depends on each person's lifestyle**. Of course, a wood-burning fireplace creates a more romantic atmosphere and loading the logs can even turn out to be a pleasant task. Pellets also have a great advantage, since their use can be programmed. So it is preferable to choose pellets if you plan on turning your stove or fireplace on frequently and if you are often away from home.

With a stove like Mood, for instance, you can turn it on and control it from your smartphone even from the office, to make sure your home is warm and cosy when you get back from work.

Mood

Ductable pellet stove with Comfort Air® system

Finishings: Silver, Black, Bronze painted steel

Power: 8,1 kW/h

Efficiency (min/max): 90,9 / 92,6 %

Heatable volume: 199 m³

Dimensions (WxHxD): 52 x 120 x 52 cm

Energy Efficiency Class: A+



Stove or fireplace, which is best?

Once again, designing a new home from scratch is the ideal solution. On paper, anything (or almost anything) is possible, there are no particular constraints, so you can build your home as you want it. When choosing between a stove and a fireplace, the overall budget and the intended use of the product are particularly important.

Those who have a passion for fireplaces will appreciate the **Vivo 90 by MCZ**, a closed fireplace that **comes in two versions, pellets or wood**. Thanks to the new Sahara cladding (designed by Paola Navone), Vivo 90 is also an attractive piece of furniture, which contributes to creating a warm atmosphere. The pellet version of Vivo 90 comes in two different models: one can be controlled with a simple remote control, the other (a new 2019 entry) can be controlled from a smartphone and comes with built-in double Wi-Fi as standard.

Vivo Maestro 90 with Sahara cladding

Design Paola Navone

Ductable pellet fireplace with Comfort Air® system

Finishings (cladding): White or grey Zellige ceramics

Power: 8,7 kW e 10,9 kW

Efficiency: 91% e 90,5%

Dimensions (WxHxD): 91,7 x 57,7 x 60,8 cm

Energy Efficiency Class: A+



What is the ideal product for a low-energy house?

Today, newly built houses are increasingly often well insulated buildings with low heating requirements, or even passive houses.

For such houses, a wood-burning fireplace may not be the ideal choice. A modern closed fireplace has a power rating from 9 to 15 kW and, therefore, generates heat that may actually be too intense in well-insulated environments.

For highly energy-efficient houses, MCZ offers products with a sealed structure and very low power ratings. An example is the Tecla pellet stove (a new 2019 entry), which consumes 6.3 kW on maximum and 2.5 kW on minimum, or the Boxtherm Maestro insert, 5.9 kW on maximum and 2.2 kW on minimum. Both can be fully controlled from your smartphone.



Tecla

Finishes: Cast iron top and front, sides in painted steel in White, Dark, Silver, Bordeaux

Power: 6,3 kW/h

Efficiency (min/max): 91,5 / 92 %

Heatable volume: 155 m³

Dimensions (WxHxD): 45,8 x 91,5 x 48,8 cm

Energy Efficiency Class: A+

Boxtherm 60 Pellet Maestro

Power: 6 kW/h

Efficiency (max): 90,6%

Dimensions (WxHxD): 59 x 49 x 45 cm

Energy Efficiency Class: A+



How can I integrate a traditional system with a stove?

In new homes, a stove or a fireplace is often combined with a traditional gas or natural gas boiler, which heats water for the radiators and for the domestic hot water system.

However, some stoves – such as the hydro stove Musa Hydro Matic 24 by MCZ – can also perform this function, with no need for a boiler. It heats up to 13 radiators in just a few minutes (it is intended for houses measuring up to 250 square metres), and generates hot water for the bathrooms and the kitchen. Musa Hydro Matic has a self-cleaning brazier and can be easily controlled from a smartphone, ensuring maximum comfort both at home and abroad (new 2019 entry).

Musa Hydro Matic 24

Hydro pellet stove

Finishings: painted steel White, Silver, Black, Bordeaux

Power: 23,9 kW/h

Efficiency (min/max): 92 / 95,6 %

Heatable volume: 587 m³

Dimensions (WxHxD): 57 x 111 x 55 cm

Energy Efficiency Class: A+





You can download the images presented in the press release by clicking on the following link:
http://www.ergo-online.it/press/MCZ_NewSustainableBuildings.zip

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