

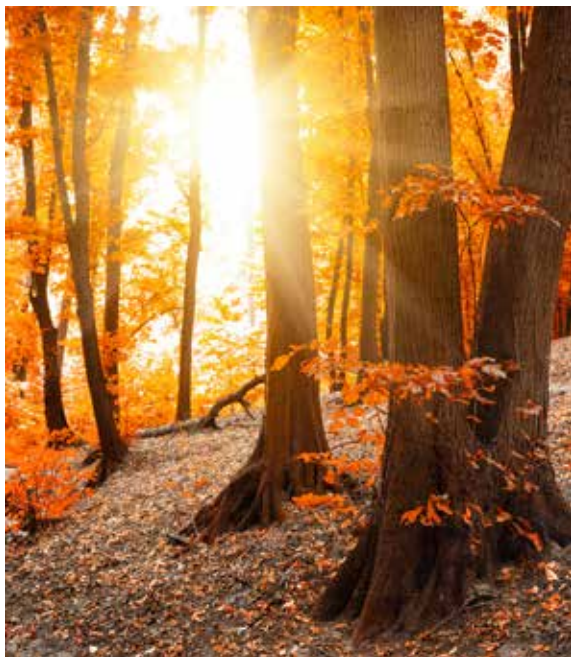


**PERFECTFIRE NORDIC: INSERT, FRAME & CHIMNEY**

# **THE COMPLETE SOLUTION**

– simple, beautiful and efficient





## The Companies

– the best of two producers combined

Meteor and Schiedel ISOKERN belong to the largest and most respected suppliers in the Danish market, within their product areas. While working in close cooperation, we have developed a product that is the obvious solution to a familiar challenge; how do you get an efficient fireplace insert integrated into tightly built housing in an elegant and safe way, which can still be supplied with an fresh air intake for combustion air?

PerfectFire Nordic is just the solution needed, where the best of the two producers is united.

Meteor stands for high-quality inserts, as well as a beautiful and timeless design, making Meteor the most preferred brand among distributors in Denmark. The Meteor inserts are 100% manufactured in Denmark, just as the inserts are designed in accordance with the best principles with a focus on optimal convection, heat emission and environmentally friendly combustion.

Schiedel ISOKERN has produced chimney systems in Denmark for more than 50 years and, with its well-known brand name, has given its name to the immersion pipe which, colloquially, is called "ISOKERN-pipe". Furthermore, the product range includes a number of various chimneys. Over the years, Schiedel ISOKERN has worked for innovative and safe solutions, with the aim of making it as easy and secure as possible, utilising both energy efficient and cosily-embossed heating sources.

## Cosy home with inspiration from outside

– the soothing fire from a PerfectFire Nordic

For thousands of years, we humans have been drawn to open fire. Partly fascinated by having tamed the wildest of nature's elements, but also in recognition of the cosiness and warmth that open fire brings to the home.

The soothing fire in a PerfectFire Nordic brings the fascination back to the modern home – without compromising on design, safety, economy or the environment.



# PerfectFire Nordic

– the modern home

The modern home is characterised by elegant lines and functional design. When these basic principles of our housing are combined with the raw forces of nature, contradictions arise. In this day and age, our houses are built so tightly that the use of fire for cosiness and warming up will be a challenge in itself. Fire requires air in order to burn, which so far has required drilling through the foundation and plinth. Furthermore, the warmth of a fireplace insert also needs some special safety requirements related to the surrounding material, which must also be able to carry a chimney.

The new inserts from Meteor are prepared for the intake of combustion air from the outside, and in combination with Schiedel ISOKERN's chimney system, with an integrated air duct, it is possible for the combustion air to flow from the chimney to the combustion chamber. This ensures optimal combustion, even in very tightly built houses. Additionally, Schiedel ISOKERN's pumice-based products boast a safe, high-quality frame. The pumice's well-proven insulation and fire retardant capabilities make the product suitable for its purpose, and bring security to the users.

## Why choose the complete solution:

- Simple and timeless design
- Can be placed at 0 distance to flammable material
- Can be placed anywhere in the house since the air supply is integrated
- Free choice of surface solution – felt, stucco, brick, etc.
- Can be integrated into a wall and, thus, saves space
- Can be built up with room for firewood
- No high temperatures on the surfaces
- Insert with convection, which distributes the heat in the room
- Insert can be placed at different heights for better vision
- Highly energy efficient
- Environmentally friendly burning
- CE-marked inserts
- CE-marked chimney

# PerfectFire Nordic

– two producers, one complete solution

PerfectFire Nordic is a complete solution where the insert is built into a frame of pumice, on which the chimney is placed.

The frame is so sturdy, that it will easily carry the complete chimney. The material is exactly the same as is also used for chimneys for, e.g., large-scale hay furnaces and has been tested at temperatures of 1000 °C +. The total solution can be placed at a distance of 0 cm to flammable materials.

With a PerfectFire Nordic, you can place your fireplace, completely independent of access to combustion air and roof construction. The solution goes from floor to roof and is adapted as needed. That way, you get the clean lines and elegant design that characterises the Nordic home.



## What is pumice:

The pumice in the solution is approx. 3,000 years old and comes from numerous eruptions from Hekla in Iceland

- 100% natural material
- Unparalleled insulation performance
- Very light material
- High fire-retardant capability
- Withstands extremely high temperatures

# Range

PerfectFire Nordic is available in 3 different models, which allows you to choose the configuration and design that fits your home the best. Not only in terms of design of the insert, but also in terms of the size of the frame and heat release from the total solution.

## 470 VERTICAL



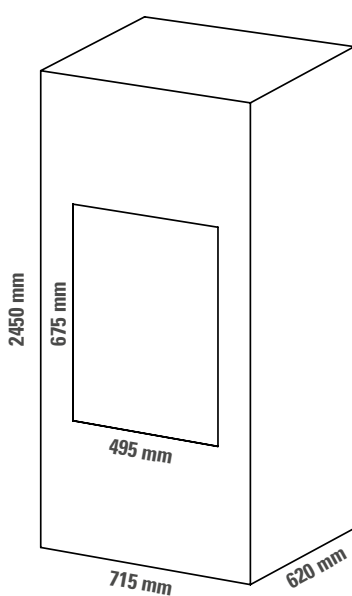
### Data on the insert:

Output: 3-9 kW

Frame dimensions: 495 x 675 mm

Glass dimensions: 292 x 428 mm

### Measurement of the frame:



## 550 VERTICAL



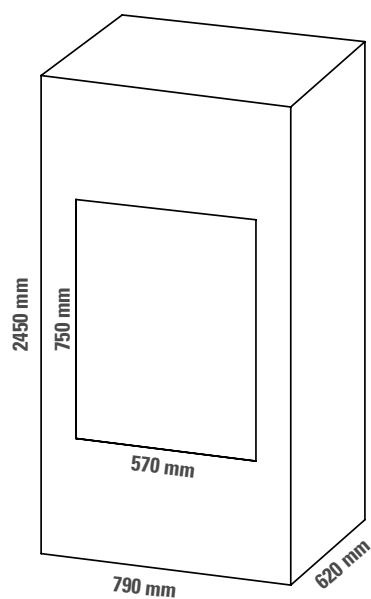
### Data on the insert:

Output: 4-10 kW

Frame dimensions: 570 x 750 mm

Glass dimensions: 367 x 503 mm

### Measurement of the frame:



## 550 XL



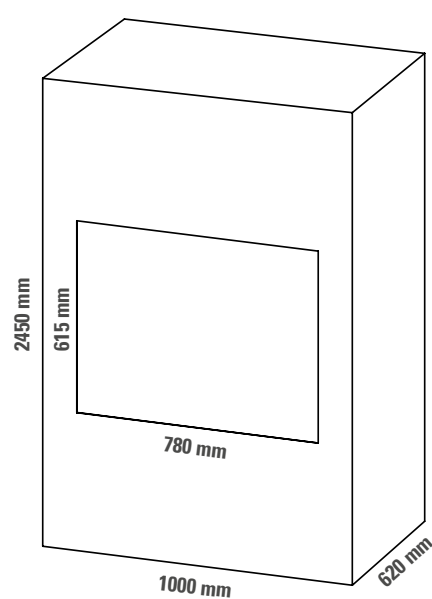
### Data on the insert:

Output: 5-11 kW

Frame dimensions: 780 x 615 mm

Glass dimensions: 578 x 367 mm

### Measurement of the frame:



# The solution and options

There are many practical aspects of the ideal location of a PerfectFire Nordic. It may, e.g., be difficult even to estimate how much the floor can support and where the beams are located in the ceiling and floor, so it is a good idea to ask professionals for advice.

## The solution includes:

- Insert
- Pumice stone framing – complete with blocks, adhesive and render
- 2 pcs of wall grates
- Flue pipe
- Ventilation pipe
- Pumice chimney – complete with blocks, adhesive, render, and hedging
- Optional room for storing firewood

## Options:

- Extra Height
- – Frame (packs of 48 cm)
- – Chimney (packs of 1 m)
- Construction and mounting
- Chimney flashing
- Floor plate
- Roof for the top ring

Estimated assembly time for the frame and chimney: approx. 5 hours excl. the mounting of the insert and rendering.





# Why wood as the energy source?

Wood stores solar energy that is utilised when burned. Energy from wood and other plant products is a far more environmentally friendly alternative to heating than energy from coal, oil and gas. The explanation is that the burning of plant products releases carbon dioxide (CO<sub>2</sub>) which is already in orbit, while the burning of coal, oil and gas sends new carbon picked up from the earth's interior into the carbon cycle, which causes the greenhouse effect.

Whether wood or paper is burned off or rots, the released CO<sub>2</sub> is captured again. Therefore, it is important to utilise the stored solar energy as heat. This way, the burning of wood and paper is CO<sub>2</sub> neutral. This means that it does not increase the

greenhouse effect. And, therefore, it is important that we have forests that can produce wood.

On 1 hectare of Danish forest (100 x 100 m) on average, 5 cubic metres of wood are harvested each year. However, at the same time, the forest is growing by an average 7 cubic metres of wood per hectare.

This means, that there will be about 2 cubic metres more wood per hectare from Danish forests – each year! Even if wood is consumed for firewood and other wood products such as furniture, houses, floors, popsicles, packaging and paper.

*(Source: [www.træ.dk](http://www.træ.dk))*



**PERFECTFIRE NORDIC** – a total solution developed by:

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