Wood burning stoves

The flame was plaving a certain role in our life for centuries. In the past heating by wood was only a protection of cold and with the time it became a concept of confort and home atmosphere. Natural fire has a speciai power - it brings positive energy, confort and calming into our homes.

Fire-place stoves with their technical fullness, ecology protection and a modern design belong to the highest quality range.

An exellent performance will be reached through three air intake lines: a primary, and a secondary intake air. The primary air flows in through the grating of the firebox and it is needed for start combustion. The secondary air flovvs by the door into the firebox and it is needed for the full combustion of the energy and for keeping clean the glass door at the same time.

Such execution guarantees an effective combustion and a high usage level of energy (up to **85 %**), as well as clean smoke with-out carbon monoxide (CO). In praxis this means law consumption of energy and smoldering of live coals for the next 6 to 8 hours after starting the fire. This provides continuous heating without new setting the fire.

Wood burning stoves are our main production program and following products from the same branch are boilers, Bio Ethanol heaters as well as pelett stoves which we do produce for our customers. Behind us are **25** years of experience of developing & engineering, pretesting and manufacturing.

Wood burning stoves are made according to two fundamental principles:

- Radiant heat stoves **-** they give heavy warmth around the stove
- Convection stoves - they distributes the warmth by use and control of air circulation

All our models are convection stoves. A great majority of all of the modern stoves are built in line the convection principle today.

Convection stoves

A convection stove has an inner stove and an outer shell. The cold air is drawn in at the bottom at the stove and this air is warmed up and sent out as warm air at the top. At the same time the air circulation provides you with a uniform temperature throughout the room. The outer shell at the stove does not become excessively hot which means that the stove can be placed closer to flammable materials. Most of our models can be placed just about 25 cm from flammable materials (furniture, curtains, etc.). Customers will find the distances to be kept by mounting In the user's manual and at the type plate behind at the stove.

We do not comprise when it comes to product quality – but we seek to get the goods to the consumers in the most effective way.

We offer you a wide range of products in an attractive design in a good quality. We attach great importance to the fact that our products have a function which more than covers your needs. Efficiency and consciousness about costs throughout the value chain from production to end customer ensure you the best quality to a favourable price.

EMDIP wood burning stoves are developed and managed to get and join together four most important demands at once: **Function - Quality - Design - Price**.

All our models meets actual environmental requirements in Europe, as well as corresponding standards and norms for security and function

CE Norms

Ecolabel

EU Standard: EN-13240 * EN-13229

DE Standard: BImSchV (1. + 2. Stufe) * DIN plus * DIN 18891 * Verordnung München

AT Standard: § 15 A Österreich * 15a B-V6 * 15a B-V6 2015

CH VKF AEAI: Nr. 22778

EN 16510-2-1 (ECO Design: EU Commission Regulation 2015/1185 * Labelling 2015/1186)

Efficiency	79,6 ÷ 85 %
Nominal effect	5,5 ÷ 12.5 kW (up to the demand)
Smoke outlet	Ø150 ÷ Ø300 mm / top and back side connection
Heating capacity	30 ÷ 300 m²
Weight	70 ÷ 350 kg
Distance to flammable wall	25 ÷ 35cm (back and side)
Combustion chamber width	30 ÷ 150 cm

Stove parts / assembles	Material / Producer
Inner stove - outer shell	Combination of the welded construction and cast parts S235JR +N / P265GH / DC03
Vermiculite plates (Chamber insulation)	**Skamol S.A.** Denmark **Skamolex** V 1100-700 (30 mm)
Door glass	**SCHOTT A.G.** Germany Robax® Glaskeramik
Thermoresistant paint	**WEILBURGER Coatings GmbH** Germany Senotherm®-UHT-600 / senotherm®-Paint ES **Süddeutsches Lackwerk Zelle GmbH + Co. KG** Silico° Therm® 662M
Thermoresistant tight ropes	**Culimeta®** Textilglas -Technologie GmbH & Co. KG Germany