



WOODEN STOVE OPTIMUS

1. Materials: heat-resistant steel. The furnace is made of stainless steel according to European standards: the outer parts, which are not subject to high temperature loads, are made of AISI 304 steel; the furnace is made of heat-resistant AISI 321 steel.

2. Rivet firebox – the parts do not lead! A special feature of the firebox design is the use of stainless steel rivets as a connection between the firebox elements. The use of rivets makes it possible to compensate for the relative elongation of parts when they are heated, i.e. steel leads and waves that lead to irreversible loss of geometry. The technology of using rivets is based on the experience of leading Norwegian and Swiss manufacturers of devices operating at high temperatures. Competitors use welding. This is corrosion, short-lived.

3. The furnace is made and designed for optimal efficiency for fuel combustion. The design of the flue gas outlet circuit of the furnace and the location of the air inlet openings ensure high efficiency of wood fuel combustion and prevent the escape of incandescent solid particles of combustion products (soot) from the chimney. The tracing of the flue gas circuit of the furnace is aimed at the optimal use of the generated amount of combustion heat. (the same applies to p.4)

The secondary combustion system helps to burn fuel particles, which without this option tend to fly into the chimney along with the flue gases. It turns out that your firewood burns to the maximum, giving all possible energy. Simple fact: a wood-burning stove ejects about 30 grams of non-combustible waste per hour from the chimney – while a secondary afterburning furnace produces less than 7 grams of waste per hour, reducing pollution levels by 75%.

The chimney, in turn, does not get clogged with soot and remains clean for a long time - everything is fine with the draft and there are no fires!

Perfect smoke without burning soot pieces. Our smoke is clean. Particulate matter burns.

4. Our contour is up to 2 times longer than competitors

5. Convection - from electric heaters. Correct physics is taken into account in our system. It is taken into account in the design.

The casing that encloses the furnace firebox is a design solution and technically performs a con-vector function. The shape of the casing, based on the experience of German manufacturers of electric convectors, produces the acceleration effect of the heated air and ensures uniform heat-ing of the air in the room, using the properties of natural convection.



The oven has convection panels, which allows you to reach the required temperature in a short time and achieve uniform heating of the air in the tent.

6. We have laid stones and work like a bathhouse.

Our stove provides the possibility of using stones to get the effect of a real wet sauna.

7. Diffuser - confuser. (The body is enlarged at the bottom, then set and expanded again.)

There is a mandatory air suction

8. A chimney with a length of more than 2 meters is placed inside the stove during transportation.

The chimney is a prefabricated chimney-in-chimney structure. Its length ensures the presence of draught in the furnace for stable combustion and stable discharge of flue gases outside the room. When transporting the stove, the chimney elements must be stowed in the firebox.

9. In the tent, the air is heated evenly.

10. Ash hopper. We pour out 100% of ash without residues, in competitors, you need to shake, and still the ashes remain.

The design of the ash hopper (ash pit) allows it to be one hundred percent cleaned by tilting the furnace. To do this, it is necessary to remove the restrictor of incandescent solids from the furnace.

The removable panel in the ash pan allows you to quickly and efficiently remove all the ash without residue.

11. Glass. It is coked in the usual versions.

Our glass does not coke. Our glass is clean because of the air convection design. The

aesthetic dominant of this stove is the decoration of the door with fireproof glass and the presence of design solutions that prevent its smoking in operation. The atmosphere of comfort at home becomes a reality.

Due to the unique design of the combustion chamber with a blowing system, the glass in the door is not covered with soot, unlike similar stoves.

12. Volume of the firebox poses

The usable volume of the furnace is 22 liters, which allows you to achieve high power with small overall dimensions of the stove in comparison with analogues. The shape of the furnace and the location of the grate blowing holes guarantee the convenience of burning both ordinary fire-wood and wood briquettes used as solid fuel.

Increased volume due to unique design



13. Special pipe construction. Due to expansion joints, extensions.

The chimneys are manufactured using high-tech modern equipment that allows you to go beyond traditional rolling. Their design provides for the presence of thermal compensators, which allow you to maintain their shape and perform their function at high temperatures.

14. Design - Space.

The design of the furnace is the result of the creative work of the team. The task was to make the qualities of the form preferable while meeting the set technical requirements, to create an organic combination of aesthetic properties and technically intensive solutions that meet the standards and time, to endow metal processing with meaning.

Well-thought-out ergonomic, modern design of the stove.

15. Convenient folding design for transportation.

The stove blowing device allows you to carry out "long-term burning" - to heat the room for a long time. At the same time, firewood smolders without an open flame.

