

Step grate

Step grate is designed for different types of biofuels, especially those with high humidity and ash content.

This grate type is used in combination with a boiler that can be set directly on it. It is made of high quality materials, and grate bars are produced from high-temperature resistant chrome cast steel.

Hydraulic drive ensures even distribution of fuel. Depending on the size of the grate, it can be equipped with one, two or three moving trolleys. The temperature in the furnace is kept at the level that ensures the most efficient combustion of fuel.

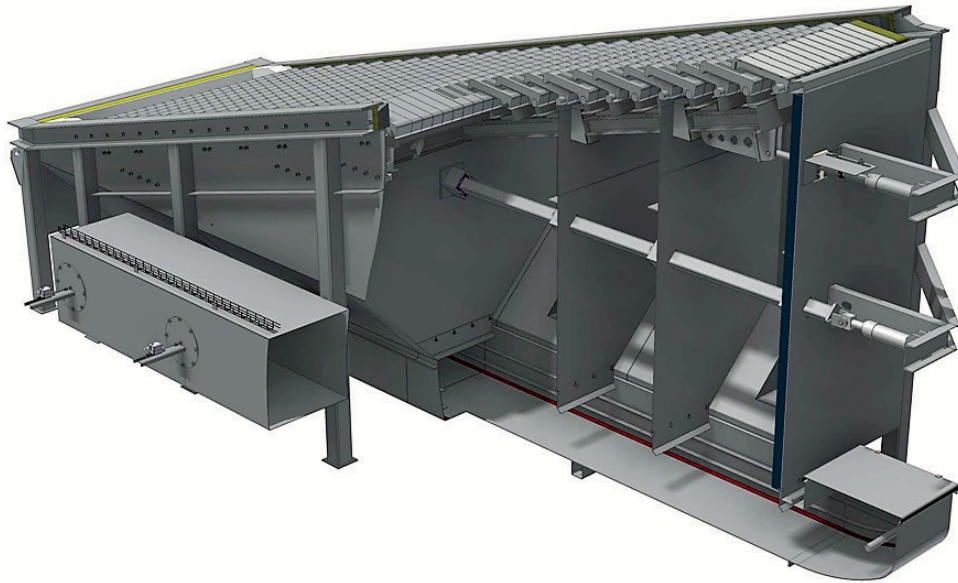
Technical solutions used in this construction ensure efficient drying of moisty fuel by means of thermal radiation. Efficient fuel combustion and low flue gas emission are achieved by using controlled air supply through nozzles placed along the whole grate.



Advantages:

- high efficiency of biomass burning process
- even distribution of fuel on the grate bars
- easy mixing of fuel to improve the combustion process
- grate divided into controlled combustion air supply zones
- possibility of installing an additional combustion chamber
- water cooling at combustion of dry fuels
- controlled air supply system in various sections of the grate
- grate integrated with the ash conveyor

Step grate



Technical Data - step grate SR-T

Type	Grate bars area m ²	Ash conveyor type
I - 0.8 x 2.25	1.8	560
I - 1.0 x 2.25	2.2	560
I - 1.0 x 2.75	2.7	560
I - 1.2 x 2.75	3.3	860
I - 1.2 x 3.75	4.5	860
I - 1.5 x 3.75	5.6	860
I - 1.7 x 3.75	6.3	860
I - 1.7 x 4.75	8.0	860
I - 2.1 x 4.75	9.0	860
I - 2.1 x 5.75	12	860
I - 2.1 x 6.75	14.2	860
I - 2.3 x 7.75	17.8	860
I - 2.3 x 9.75	22.4	860
I - 2.8 x 9.75	27.3	860
I - 2.8 x 12.75	35.7	860