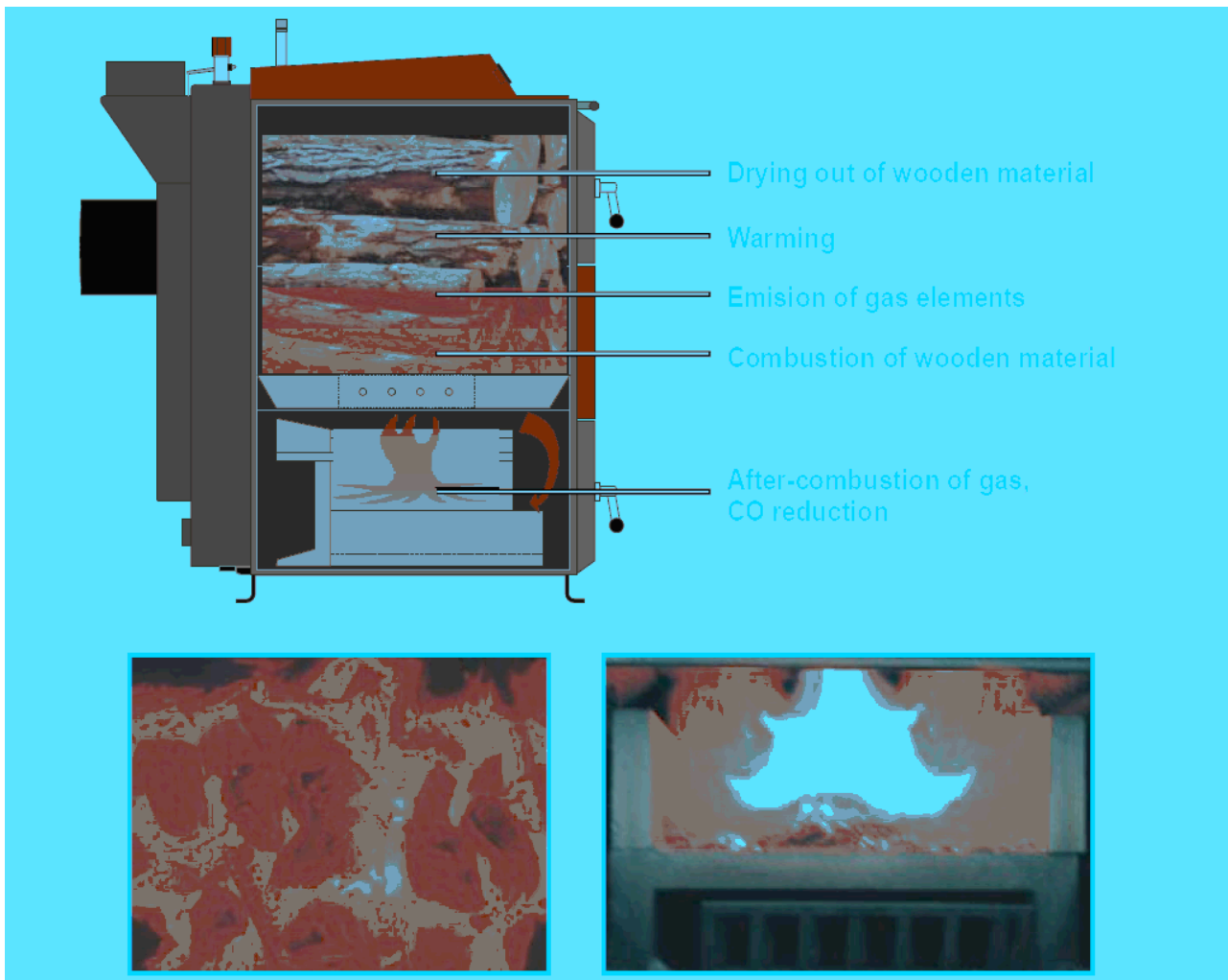


Gasification Boilers (25-90kw):

The wood gasifying boiler is designed for the economical and ecological heating of family houses, bungalows, small plants, workshops and similar premises. The specified fuel for the boiler is dry wood, (<15% moisture) although they will also produce heat with more moist wood. When the feeding chamber is full, an approx. continuous combustion of 4 to 8 hours is possible.



The wood gasifying boiler is controlled by an electronic regulator which is specifically designed for the temperature control of wood combustion boilers. The professional version's strong point compared with the Standard version is in its higher comfort of operation, the possibility of boiler output regulation in order to achieve optimum parameters during the wood combustion. The regulator keeps a constant check on the water temperature in the boiler and the value is shown on the display. At the same time, it controls the waste gas ventilator and central heating pump.



Advantages of Wood Gasification Boiler

- Modern design
- Burns soft and hard wood in its large combustion chamber of 105, 145 and 185 l
- High combustion efficiency – low fuel consumption
- Minimum waste
- Simple use and cleaning
- Automatic boiler switch-off when fuel runs out
- Flue ventilator ensures uniform and effective combustion
- Possibility of loading large pieces of wood
- Equipped with a cooling circuit against the water in the boiler overheating



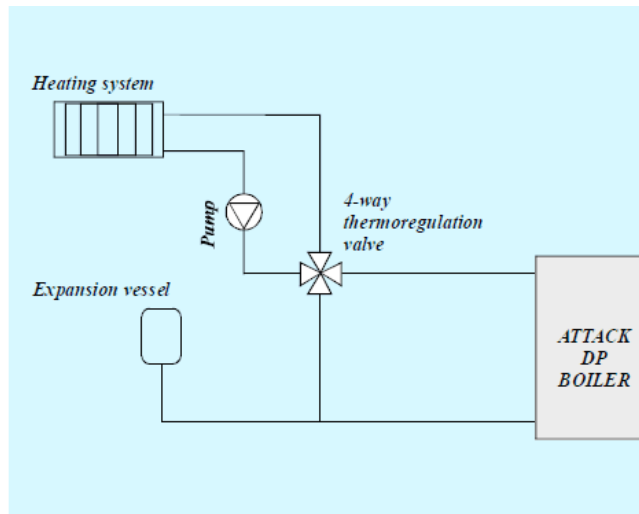
Sample technical parameters (for 25kw):

Nominal heat output:	10-25 kW
Efficiency:	86 %
Average value of fuel consumption:	7,5 kg/h
Max. operation overpressure:	300(3) kPa (bar)
Water volume:	65 l
Combustion chamber volume:	105 l
Electrical input:	70 W
Voltage / Frequency:	230/50 V/Hz
Min.temperature of return water at operation:	65 °C
Flue gas temperature:	260 °C
Weight:	350 kg
Noise level:	65 dB
Specified chimney draught:	23 Pa
C.H. water connection:	G6/4 Js
Flue connection:	152 mm
Height:	1100 mm
Width:	600 mm
Depth:	1150 mm

Installation:

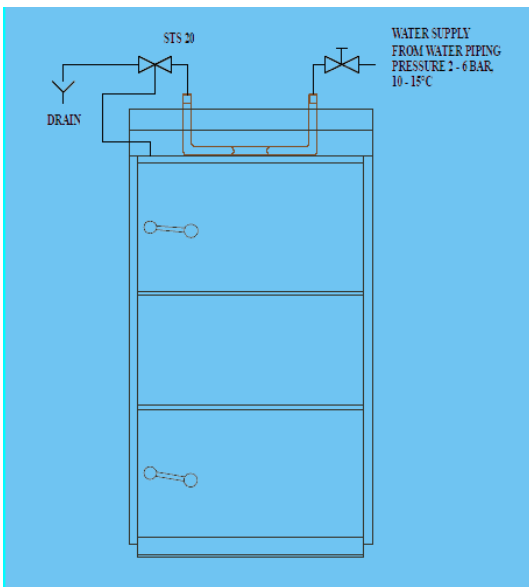
The boiler has minimum dimensions and a low weight which enable a simple installation. The shell is welded from steel of 6mm thickness and the jacket from 4mm steel. Pipes on the heat exchanger have 6.3mm thickness. The heat exchanger and the jacket have wool insulation and the body is painted with powder paint. The internal jet that diverts the heat downwards is made of refractory concrete and is resistant to temperatures of 1450 degrees. The boiler should be installed in a suitable room with direct ventilation and adjacent to a buffer water tank that will store the heat generated by each burning period ready for use by the house whenever the demand is there. We provide these tanks with good insulation to maximise the benefits of your boilers heat. The flue attachment pint is vertically located at the back to make connection simple and is also made of 6.3mm pipe. There is a flue gas ventilator attached to the flue which is connected with power from the control panel. The boiler doors are 6mm steel with refractory concrete on the inside lining resistant to 1100 degrees. They are sealed with packing cord.

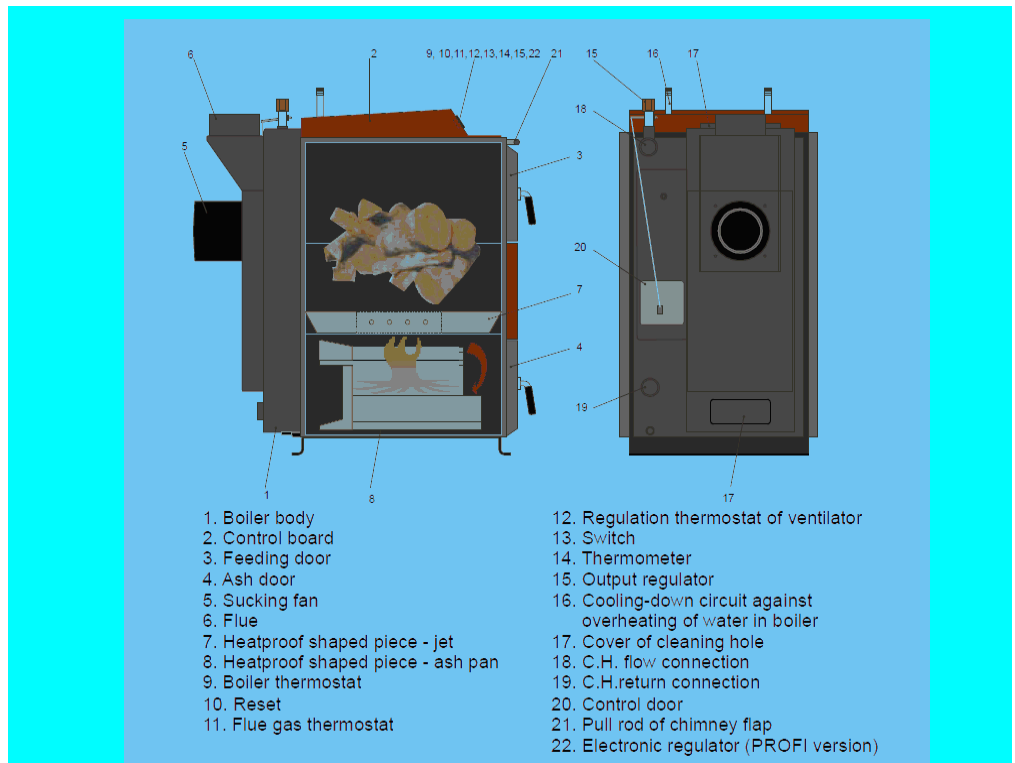
The water connection to the boiler should be through a thermoregulator valve which can be supplied by us:



Protection of Overheating:

A STS 20 valve which also has a sensor on the rear of the boiler protects the boiler against overheating. If the temperature of the water exceeds 95 degrees the valve lets water into a cooling circuit which overtakes the excess heat and discharges it into a drain.





Boiler Parts: