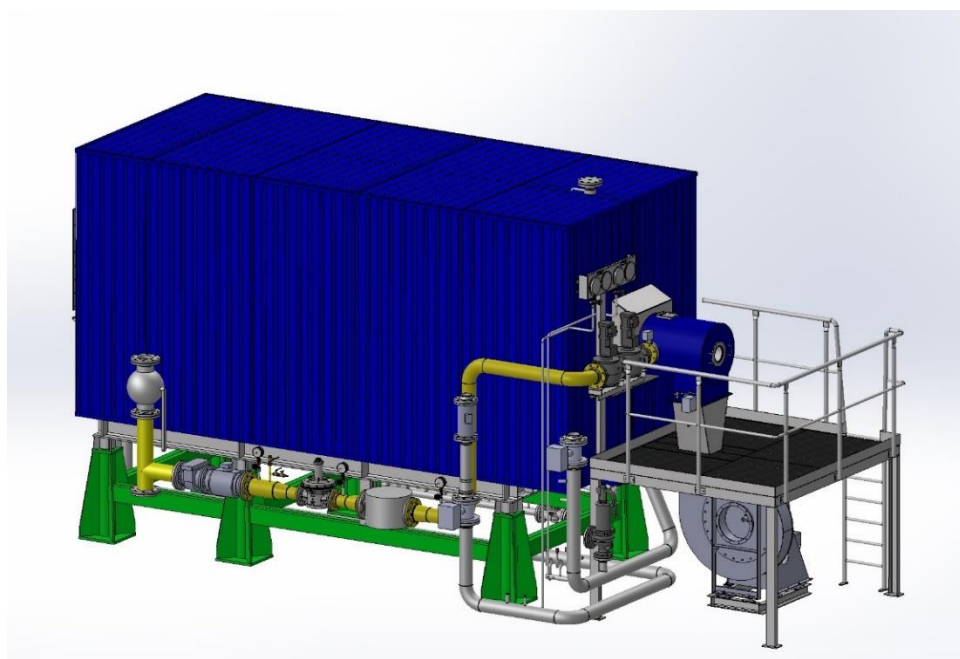


## **HOT WATER WATER-TUBE BOILER - VHK**

### **Use:**

Hot water boiler is designed for the production of warm or hot water with a nominal working overpressure up to 2.5 MPa and an output water temperature up to 190 °C. Robust construction, high efficiency, simple installation and long operating life make VHK boilers one of the top products. Boilers can be equipped with the device for operation without continuous operators.



### **Technical description:**

It is the concept of a hot water stationary water tube boiler with an overpressure burner or burners. The boiler is fully membranes with easily accessible pressure parts of the boiler in case of repair. The boiler is designed as a membrane, water tube, with forced water circulation. The pressure system is self-supporting, divided into a combustion chamber and a second draught, in which the convection bundle is located. The pressure unit consists of two or four longitudinal chambers connected to each other by the heating surfaces of the combustion chamber passing into the blocks of heating surfaces of the exchanger and the finned economizer. Insulation made of mineral felt is hung on the membrane walls of the combustion chamber. The entire boiler is plated with PZ sheet. The boiler allows gas and liquid fuel to be burned.

<b>Boiler type – size</b>	<b>VHK</b>	<b>5</b>	<b>7</b>	<b>10</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>
Nominal heat output	MW	5	7	10	15	20	25	30
Nominal pressure - Max	MPa	2,5						
Outlet water temperature - Max	°C	190						
Inlet water temperature - Min	°C	70						
Efficiency	%	up to 97						
Combustion chambre load - Max	MW/m <sup>3</sup>	0,8						