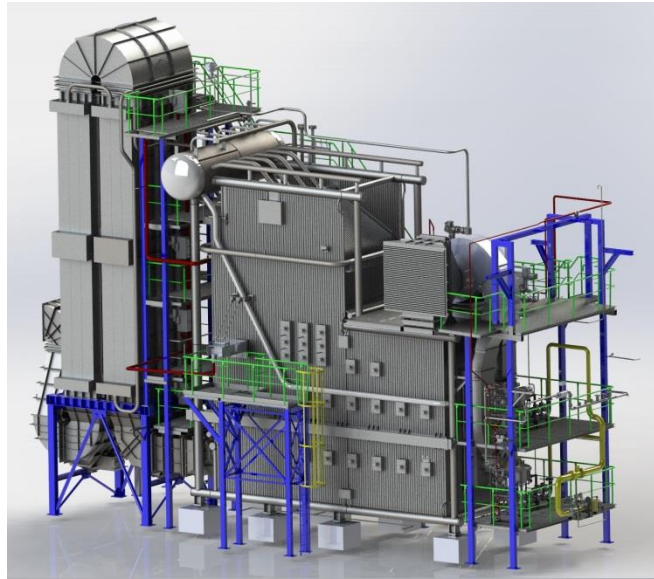


STEAM WATER-TUBE BOILER TYPE – VKP-S

Use:

The VKP-S steam boiler is designed for the production of steam with a nominal working overpressure of steam up to 6.5 MPa with the temperature of superheated steam up to 510 ° C. Robust construction, high efficiency, simple installation and long operating life make VKP-S boilers one of the top products. The VKP-S boiler can be also supplied for the petrochemical industry in design for the outdoor environment.



Technical description:

The boiler is designed as a water tube, single-drum with natural water circulation. It is a concept of stationary water-tube boilers with pressurized burners. The pressure system is self-supporting with a transversely positioned drum. The lower frame of the pressure system is assembled from two lateral chambers interconnected by transverse chambers from which are all tubes led out and delimiting the combustion chamber and the second draught. The combustion chamber consists of tube walls consisting of fittings and irrigation tubes. In the upper part of the combustion chamber is placed as required up to 2-stage superheater. The superheater is of horizontal construction, fully drained. In the second draught is the boiler evaporator.

As a standalone block there is the economizer and water air heater. The boiler is fully membrane with easily accessible pressure parts in case of repair. The combustion chamber is designed with regard to low NOx and CO emissions.

On the membrane walls of the combustion chamber is suspended insulation which is made of mineral felt. The whole boiler is covered with PZ sheet. The boiler is delivered in 3 separate blocks allowing transport by road

The boiler is designed for overpressure combustion of gaseous or liquid fuel.

Boiler type - size	VKP-S	16	25	30	40	50	60
Nominal steam output	t/hod	16	25	30	40	50	60
Nominal steam pressure	MPa	1,2 - 6,5					
Nominal steam temperature	°C	190 - 510					
Feed water temperature	°C	105 - 145					
Informative efficiency	%	95					