

HOT WATER FIRE-TUBE BOILER TYPE - VSHK

Use:

Hot-water low-emission boiler VSHK is designed for production of warm or hot water with nominal working overpressure up to 1.6MPa and temperature up to 160 ° C. It is designed for combustion of natural gas by low-emission burners. It is an ideal solution for industrial use as a stand-alone source or heat centre. Allows flexible and fully automatic operation. The VSHK boilers replace the proven ČKD BK boilers with their dimensions and therefore do not require demanding installation. Robust construction, high efficiency, simple installation and long reliability with 5-year warranty. All this supported by the largest 24-hour service background in the Czech Republic. High efficiency and low NOx emissions, together with other operating characteristics, make VSHK boilers one of the top products. They can be equipped with the device for operation without continuous operators.



Technical description:

The VSHK fire-tube boiler is large-volume, with natural circulation and overpressure combustion. It is designed as three-draught. The boiler body consists of two steel cylinders welded to the front and rear walls. The combustion chamber is cylindrical, water-cooled. The rear wall forms a flue gas turnover, which passes into the second draught and returns with the fire tubes back to the front wall where it rotates into the third draught formed by the fire tubes. The front opening lid and the rear manhole provide easy access to the heating surfaces, their cleaning and inspection. The boiler is equipped with insulation and all legal equipment. The boiler is plated with aluminium sheet.

Hot water moderated pressure boiler VSHK				1,4	2,7	4	5,4	6,7	8
Fuel				Natural gas					
Nominal heat output		MW		1,35	2,7	4,0	5,4	6,7	8,0
Nominal pressure MAX		MPa		1,6	1,6	1,6	1,6	1,6	1,6
Output water temperature Max		°C		160	160	160	160	160	160
Input water temperature Min		°C		65	65	65	65	65	65
Boiler efficiency with economizer up to		%		97	97	97	97	97	97
NOx emissions (3%O2) MAX		mg.m ⁻³		80	80	80	80	80	80
Volume of water		m ³		5,32	8,9	9,8	12,9	13,2	13,5
Transport weight		t		7	13	15	18,0	22	23
Dimensions	Boiler length	L	mm	4400	6000	7400	7400	8000	8500
	Boiler width	B	mm	2530	2930	3100	3400	3500	3800
	Boiler height	H	mm	3000	3200	3500	4100	4100	4200
Water input/water output	PN16/40	DN		65	100	125	150	150	150