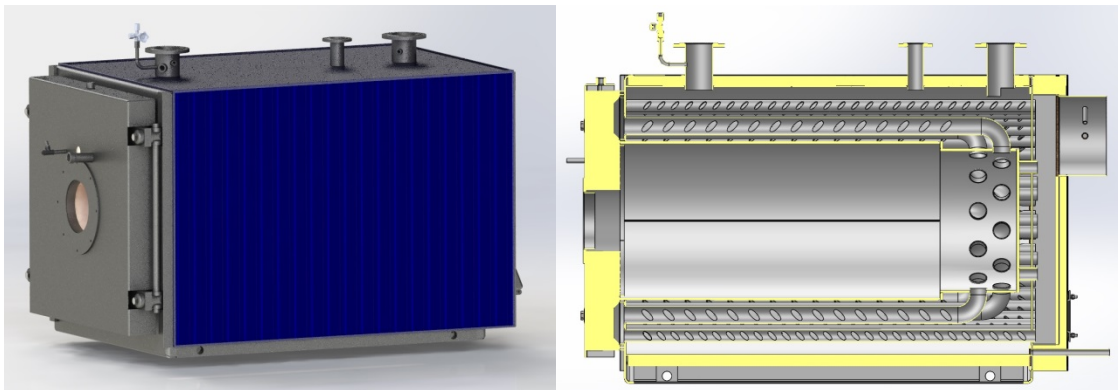


HOT WATER LOW EMISSION BOILER TYPE - VNTK

Use:

Hot water low emission boiler VNTK is designed for production of heating water with nominal working overpressure up to 0.6 MPa and temperature up to 110 ° C. It is designed for combustion of natural gas by low emission burners. The ideal solution is to use it as a standalone source or as a central heating unit for heating buildings for civil and industrial use. VNTK boilers allow flexible and fully automatic operation. With their connecting dimensions they replace the well-proven ČKD KDVE boilers and therefore do not require demanding installation. Their advantage is robust construction, high efficiency, simple installation and long reliability with a 5-year warranty. All this is supported by 24 hours service facilities in the Czech Republic.



Technical description:

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 into the third draught, which is formed by the openwork fire tubes. The explosion valve is on the rear wall. The front lid can be opened to the right or left according to the location in the boiler room. Allows easy access to heating surfaces and their cleaning. The boiler is insulated and plated with anodized sheet in blue color and equipped with all measuring instruments according to standards.

The boilers are supplied with a number of accessories such as: low emission burner, economizer, chimney, softening filters, etc.

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Boiler type		16	25	40	65	100
Highest heat output	kW	180	290	465	730	1150
Nominal output	kW	160	250	400	650	1000
Min. flow at nominal output	m ³ .h ⁻¹	3,6	5,6	9,2	14,1	22,5
Constructial overpressure	MPa	0,6	0,6	0,6	0,6	0,6
Max. temperature of output water	°C	110	110	110	110	110
Min. temperature of input water	°C	50	50	50	50	50
Boiler efficiency up to	%	95	95	95	95	95
Boiler resistance on the flue gas side	Pa	150	170	230	310	420
Water volume	l	220	380	580	900	1100
Transport weight	kg	660	820	1140	1630	2300
Boiler length	L mm	1225	1412	1667	1875	2090
Boiler width	B mm	830	960	1062	1230	1420
Boiler height	H mm	902	1030	1132	1300	1455
Height of the hole for the burner	H1 mm	465	550	603	685	760
Height of the smoke extension	H2 mm	645	820	910	1025	1160
Diameter of the smoke extension	D3 mm	219	219	273	324	377
Output and input neck PN6	DN mm	80	80	100	125	150
Safety neck PN6	DN mm	40	50	50	65	65
Distance of output neck	L2 mm	546	350	350	350	350
Diameter of combustion chamber	D1 mm	470	516	564	682	785
Length of combustion chamber	L1 mm	1000	1200	1440	1650	1840
Hole for the burner	Do mm	200	200	240	240	280
Span diameter of screws	D2 mm	245	360	360	360	480
NO _x emissions (3%O ₂)	max mg.m ⁻³	80	80	80	80	80