

THERMO OIL BOILER TYPE – VTK

Technical description:

The thermo-oil boiler has a horizontal design with forced oil flow. The combustion chamber with membrane peripheral walls has placed a burner in the front wall. The boiler tube system is self-supporting, the perfect tightness of the diaphragm design of the combustion chamber and the internal plating of the convection bundle enable overpressure combustion. The boiler rear lid allows easy access to all heating surfaces and easy cleaning. Insulation of the outer shell is made of mineral felt covered by an outer plating of aluminum sheet, the lining is only around the burners and the rear manhole. To ensure access to the bottom, the boiler is mounted on a support construction at the installation site. The boiler is provided with a final coating.

Certification of boiler construction and production is according to customer requirements according to ČSN, GOST, ASME.

The boilers comply with Government Regulation No. 352/2002 Coll., Laying down emission limits and other conditions for the operation of stationary sources of pollution and air protection.



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Technical parameters and dimensions:

Boilet type / size		VHK	2
Max. heat output		kW	1700
Nominal heat output		kW	1500
Min heat output		kW	200
Nominal pressure /constructial pressure		MPa	0,6/1,2
Maximum outlet oil temperature		°C	300
Minimum inlet oil temperature		°C	70
Flue gas resistance		Pa	400
Volume of pressure unit		l	1600
Operating weight		t	6,78
Transport weight		t	5,50
Base load		kPa	100
Boiler length	L	mm	3250
Boiler width	B	mm	2000
Boiler height	H	mm	2260
Height of the smoke extension axis	H ₂	mm	1170
Diameter of smoke extension	D ₃	mm	610
Output neck	PN 16	mm	100
Input neck	PN 16	mm	100
Safety neck	PN 16	mm	25
Boiler draining	PN 16	mm	20
Height of the hole for the burner	H ₁	mm	1090
Hole for the burner (max.)	D ₀	mm	270
Lenght of combustion chamber	L ₁	mm	2630
Diameter of combustion chamber	D ₁	mm	980

Other boilers outputs on request