

*20 years
in business*

VERNER[®]
EXPERT ON HEAT



automatic boilers



lump wood boilers
series EXTRA



lump wood boilers



industrial biomass
boilers

INTERIOR BOILERS AND FIREPLACE STOVES



possibility of rear fuel stoking

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INTERIOR BOILERS AND FIREPLACE STOVES

A fascinating experience of looking into the flames remains in people for ages. Fire is not only a source of pleasant physical heat, but also sensual and calming experience, which you can now enjoy also together with your closest ones.

The interior boilers VERNER combine the biggest advantages of boilers and fireplace stoves. These boilers are due to the unique design an ideal combination of great functionality, high quality and pleasant aesthetic design – thus characteristics, that are traditionally offered and guaranteed you by VERNER company through their products.

The interior boilers VERNER are specially designed:

- 🔥 **For efficient, comfortable and pleasant heating** of family houses, flats, cottages, restaurants and many other objects.
- 🔥 **For significant reduction of heating costs.** It is possible to save up to 50% of heating costs per season in combination with heating by natural gas or electric energy.
- 🔥 **As the main source of heating – built-in heat exchanger.** Moreover, thanks to a wide selection of colour variants and possibility of built-in to the wall, these boilers are significant dominant of interior and provide a pleasant comfort next to an open fire.
- 🔥 **For heating of domestic hot water even in summer.** When connected to a combined geyser or storage tank, these boilers are source for heating of hot water.

Main advantages:

- 🔥 Extremely low operating costs
- 🔥 The possibility of stoking and removing of ash outside of the heated room – clean service and operation
- 🔥 Very high efficiency – up to 87,4%
- 🔥 Full heat source with high quality burning approaching gasification boilers
- 🔥 Large share of output to the heating system – up to 88%
- 🔥 Long and automatically controlled stable heat operation – up to 12 h
- 🔥 Quick heat-up of the building
- 🔥 Excellent output control
- 🔥 At selected models is automatic cleaning of exchanger, cooking plate and built-in cooling loop.
- 🔥 Long lifetime
- 🔥 Successfully verified by customers



Tip: e.g. how can you lower the costs for natural gas heating? By adding of interior boiler VERNER into the heating system. 70% wood

Example from practice:

The family house (460m³) is heated by combination of:
interior boiler VERNER 13/10
natural gas boiler

30% gas



With the above mentioned rate, the savings per year are 10 000 CZK.

Cut of interior boiler 13/10, 13/10.1 and 13/10.2



1 big stoking chamber

2 movable grate

3 capacious ashtray

4 automatic stable heat system and output control

5 automatic cleaning of the exchanger

6 possibility of rear fuel stoking

7 large exchanger

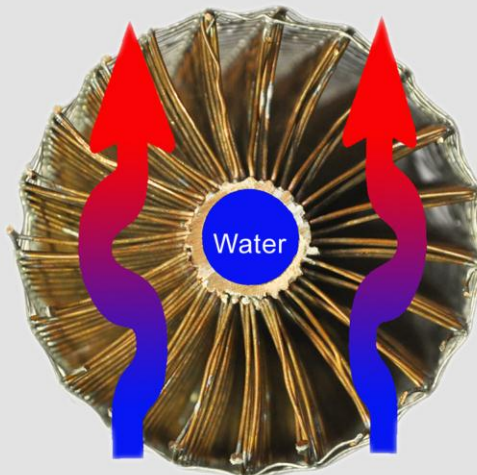
PARAMETERS OF INTERIOR BOILERS	13/10 .2	13/10	13/10 .1
Total rated heating capacity	13 kW	13 kW	9 kW
Rated capacity transferred to the heating system	11,5 kW	10 kW	7 kW
Rated capacity transferred by the surface of the boiler	1,5 kW	3 kW	2 kW
Efficiency	87,4 %	87,4 %	87,4 %
Output range	7,5 - 15 kW	7,5 - 15 kW	4,5 - 10 kW
Specified fuel			wood logs, wood
Fuel consumption at rated capacity	3,6 kg/h	3,6 kg/h	2,5 kg/h
Burning time of full batch of fuel at rated output	3 hod	3 h	2 – 3 h
Burning time of full batch of fuel at reduced output	up to 12h	up to 12h	up to 12h
Warmwater exchanger / cooling loop	yes/yes	yes/yes	yes/yes
Total weight	285 kg	255 kg	235 kg
Width	590 mm	590 mm	590 mm
Depth	500 mm	532 mm	470 mm
Height	1 200 mm	1 254 mm	1 254 mm
Diameter of smoke flue	180 mm	180 mm	160 mm
Design	new model	standard	with reduced output
Possibility of rear fuel stoking	yes	yes	yes

Interior boilers with the system VERNER SPIRO

VERNER company presents brand new and most modern way of room heating, which insists mainly on the esthetic way, marked limitation of dust circulation and wide possibilities of placing and solution of heating elements. The principle of turbulent heat transfer ensures high heat outputs on the minimal area. Thanks to the copper construction, VERNER SPIRO has almost incomparable lifetime.

Unique reasons why to choose VERNER SPIRO

- 🔥 Excellent principle of heat transfer without dust collecting
- 🔥 Suitable for allergy sufferers and people sensitive to dust
- 🔥 Small water content – the fastest heat up process
- 🔥 Very long lifetime
- 🔥 Perfect adaptability of interior – hidden heating
- 🔥 Economical operation
- 🔥 Perfect control of heating
- 🔥 Perfect heating for high and atypical rooms



Principle of heat transfer



Examples of realizations of heating system VERNER SPIRO

16/11	9/5	9/0	6/3	6/0
16 kW	9 kW	8 kW	6,5 kW	5 kW
11 kW	5 kW	-	3,5 kW	-
5 kW	4 kW	8 kW	3 kW	5 kW
80 %	80 %	80 %	80 %	80 %
10 - 16 kW	6 - 10 kW	5 - 10 kW	4 - 7 kW	3 - 6 kW
briquettes, wood chips (moisture up to 20 %)				
4,9 kg/h	2,75 kg/h	2,5 kg/h	2 kg/h	1,6 kg/h
2 - 4 hod	2 - 5 hod	2 - 5 hod	2 - 5 hod	2 - 5 hod
up to 8h	up to 8h	up to 8h	up to 8h	up to 8h
yes/no	yes/no	no/no	yes/no	no/no
220 kg	160 kg	155 kg	117 kg	115 kg
570 mm	530 mm	530 mm	380 mm	380 mm
515 mm	530 mm	530 mm	410 mm	410 mm
1 030 mm	850 mm	850 mm	850 mm	580 mm
160 mm	145 mm	145 mm	120 mm	120 mm
no	no	no	yes	yes

ACCESSORIES FOR INTERIOR BOILERS

Thick-walled smoke flues
elbows, shrunk rings, adaptors



Storage tanks
possibility of water heating and solar



INTERIOR BOILER VERNER 13/10

13/10.1
13/10.2

- WARMWATER EXCHANGER
- STOKING AND ASH REMOVING OUTSIDE OF THE LIVING ROOM



VERNER a.s.



View from interior



View of rear stoking

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