

*20 years  
in business*

**VERNER**<sup>®</sup>  
EXPERT ON HEAT



automatic boilers



lump wood boilers  
series EXTRA



lump wood boilers



industrial biomass boilers

# INTERIOR BOILERS



possibility of rear fuel stoking



# INTERIOR BOILERS VERNER 13/10 and 13/10.1

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:

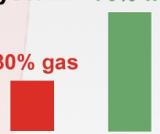
- 🔥 Extremely low operating costs
- 🔥 The possibility of stoking and removing of ash outside of the heated room – clean service and operation
- 🔥 Very high efficiency – 87,4%
- 🔥 Full heat source with high quality burning approaching gasification boilers
- 🔥 Large share of output to the heating system – min. 77%
- 🔥 Long and automatically controlled stable heat operation – up to 12 h
- 🔥 Quick heat-up of the building
- 🔥 Excellent output control
- 🔥 Automatic cleaning of the 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 (460m<sup>3</sup>) is heated by combination of: **30% gas**  
interior boiler VERNER 13/10  
natural gas boiler



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



- 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

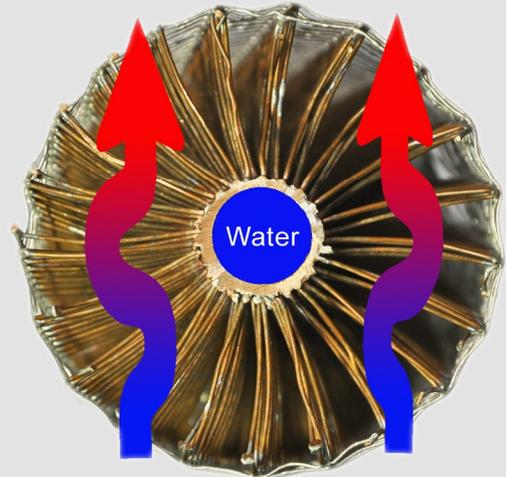
PARAMETERS OF INTERIOR BOILERS	13/10	13/10 .1
Total rated heating capacity	13 kW	9 kW
Rated capacity transferred to the heating system	10 kW	7 kW
Rated capacity transferred by the surface of the boiler	3 kW	2 kW
Efficiency	87,4 %	87,4 %
Output range	7,5 - 15 kW	4,5 - 10 kW
Specified fuel	wood logs, wood briquettes (moisture up to 20%)	
Fuel consumption at rated capacity	3,6 kg/h	2,5 kg/h
Burning time of full batch of fuel at rated output	3 h	2 – 3 h
Burning time of full batch of fuel at reduced output	up to 12h	up to 12h
Warmwater exchanger / cooling loop	yes/yes	yes/yes
Total weight	255 kg	235 kg
Width	590 mm	590 mm
Depth	532 mm	470 mm
Height	1 254 mm	1 254 mm
Diameter of smoke flue	180 mm	160 mm
Design	standard	with reduced output

# 13/10 (13/10.1) 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



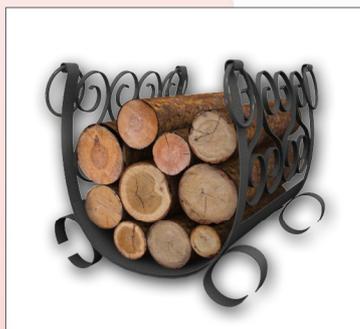
Examples of realizations of heating system VERNER SPIRO

## ACCESSORIES FOR INTERIOR BOILERS

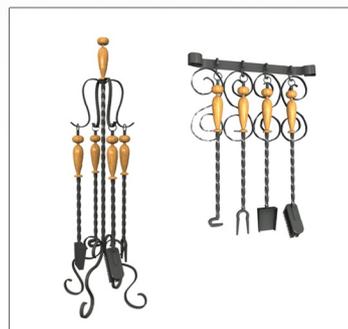
**Thick-walled smoke flues**  
elbows, shrunk rings, adaptors



**Wood basket**



**Fire irons**  
three- and four armed



**Storage tanks**  
possibility of water heating and solar



# INTERIOR BOILER VERNER 13/10 13/10.1

- 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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