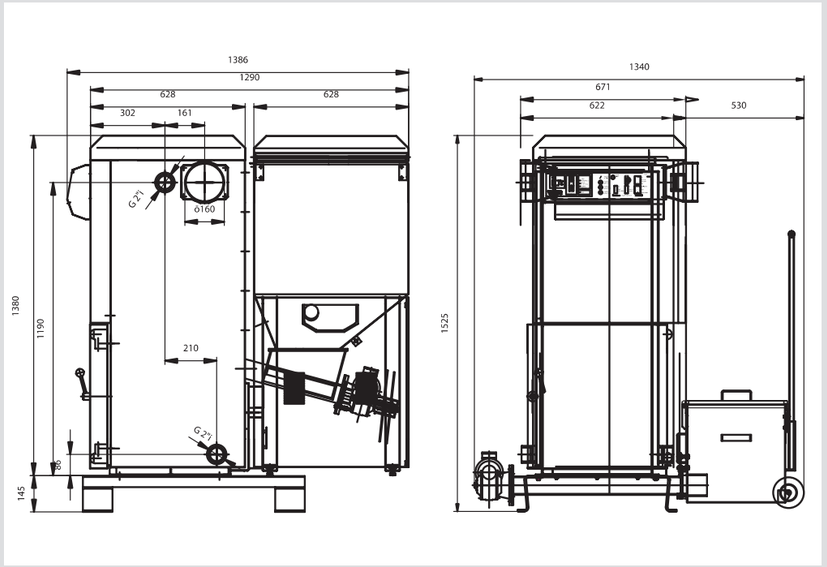

Dimensions of VERNER A25G, A50G boilers with automatic mechanism for ashes removal
The depth of A25G boiler is 1386 mm, the depth of A50G boiler is 1650 mm. Other dimensions and the reservoir volume are identical by both types of boilers.

VERNER A25G – technical specifications		**Wood pellets** (diameter 6 – 14 mm)	**Alternative pellets** (diameter 6 – 14 mm)	**Corn** (wheat, barleycorn, tritical, maize, oats, rye, etc.)
Rating	kW	25 (max. 30)	23	23
Effectivity	%	92,7	91	85 - 91*
Fuel consumption at rated power	kgs/hour	5,6	6,8	6,5 - 7,5
Total volume of standard reservoir	l	240	240	240
Total weight	kgs	500	500	500
Diameter of combustion gas eduction	mm	160	160	160
Rated operating chimney draught	Pa	15 - 30	15 - 30	15 - 30
Voltage	V/Hz	230/50	230/50	230/50
Operating time of reservoir at rated power	hours	30	25	25

VERNER A50G – technical specifications		**Wood pellets** (diameter 6 – 14 mm)	**Alternative pellets** (diameter 6 – 14 mm)	**Corn** (wheat, barleycorn, tritical, maize, oats, rye etc.)
Rating	kW	48 (max. 53)	45	45
Effectivity	%	92,7	91	85 - 91*
Fuel consumption at rated power	kgs/hour	10,5	13,0	12,0 - 14,0
Total volume of standard reservoir	l	240	240	240
Total weight	kgs	645	645	645
Diameter of combustion gas eduction	mm	160	160	160
Rated operating chimney draught	Pa	15 - 30	15 - 30	15 - 30
Voltage	V/Hz	230/50	230/50	230/50
Operating time of reservoir at rated power	hours	16	14	14

* depending on the quality of corn

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ISO 9001:2001

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Commercial representation

VERNER®
EXPERT ON HEAT

Automatic hot-water boilers intended for burning of corn and pellets

THE VERNER COMPANY PRODUCES AND SUPPLIES


fireplace stoves


interior boilers


automatic boilers


wood boilers


biomass boiler plants

VERNER®
EXPERT ON HEAT

Automatic hot-water boilers VERNER A25G and A50G

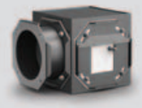
are intended for comfortable, economical and environmentally friendly heating of family houses, flats, workshops etc. These boilers are based on the principle of burning on a grate with the utilization of primary and secondary air. **Corn and wood or alternative pellets** are the fuel for these boilers.

An operation of these boilers is controlled by the regulator with microprocessor which enables to connect the indoor thermostat and manage boiler output depending on the room temperature, eventually there is a possibility to manage the boiler output pursuant to requirement of any superior regulation.
The boilers are equipped with automatic **electrical ignition** so boiler can be also started by **mobile phone** or via internet.

For our consumers who wanted the higher performance of the automatic boiler, the VERNER company developed **the automatic hot-water boiler VERNER A50G**. It is also intended for burning corn and pellets and its output is 48 kW. This type of boiler will be available for the 2005/2006 season.

VERNER A25G (A50G) boiler equipped with automatic mechanism for ashes removal

Self-acting mixing armature
is intended for the protection of boilers against low-temperature corrosion. It ensures the temperature of the returning water running into boiler at minimally 60 °C. The boiler water circuit can work by gravity system so there isn't the need to install the circulating pump into the circuit.



Chimney draught regulator
ensures steady draught behind the boiler and creates optimal conditions for burning on the furnace. It also ensures the ventilation of the chimney flue so it reduces danger of condensation. There is an opportunity to achieve 3 – 9 % savings of fuel by installing this equipment. This product is available in case or socket alternative.

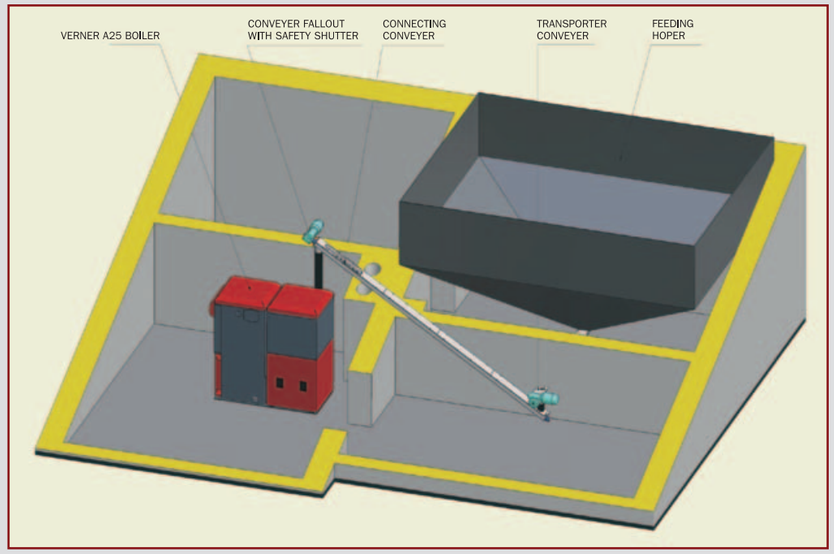
VERNER A25G Boiler
equipped with automatic mechanism for ashes removal, big bag for fuel and conveyer worm

Alternatives of fuel supply into the boiler

240 l feeding hopper is a part of standard supply of VERNER A25G boiler and at usual operation supplies the boiler with fuel for 3 - 5 days, at reduced operation even 10 days.

Next alternative is external fuel supply **from the reservoir placed in the next-door room** or **from the big bag** (textile bag). The 1,2 m^3 big bag can supply the A25G boiler at usual operation even 20 days. The fuel is transported by **conveyer worms**.

External feeding can be also ensured by **air transportation**. The air communications for fuel (pellets or corn) transport can be even 8 m long.



External feeding of fuel
from the reservoir
in the next-door room
is placed via conveyer worm

Examples of fuel for VERNER A25G and A50G boilers

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