



# PYRO THERM

STEEL HOT-WATER GASIFYING BOILERS FOR BURNING LUMP WOOD

PYRO THERM 15 | PYRO THERM 20 | PYRO THERM 25 | PYRO THERM 30



- warranty up to 4 years (warranty and post-warranty service)



- can be used even after 2024



- sheet thickness 5 mm

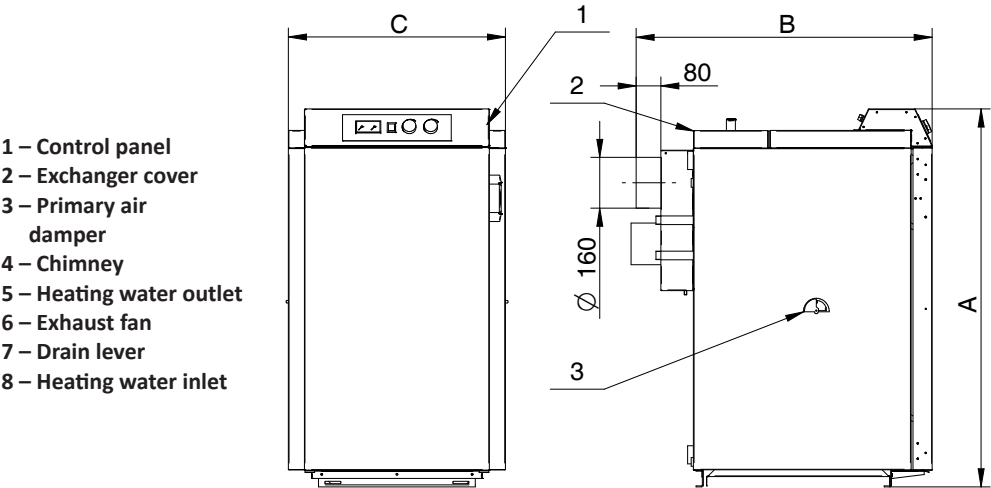


- ecodesign and boiler class 5

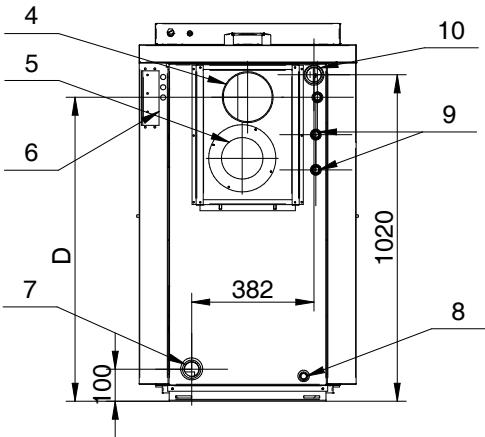


- high efficiency

Main dimensions of the boiler



The boiler consists of three basic parts – the upper loading chamber, the lower combustion chamber and the tubular heat exchanger. Gases are emitted by the wood in the upper loading chamber and these hot gases flow downwards through a nozzle into the combustion chamber. The gases are mixed with secondary air in the combustion chamber and burned off perfectly. The combusted gases – flue gases – continue to flow through the tubular heat exchanger, which ensures high boiler efficiency. From the tubular exchanger, the flue gases enter the flue gas collector and then the chimney. To achieve optimum flow, the boiler is equipped with a powerful fan that operates in two modes – maximum power and reduced power.



Maximum fan power is used in the fuel feed mode to prevent flue gas leakage into the boiler room. When the feed door is closed, the fan switches to lower power to ensure lower energy consumption.

| Boiler type PYRO THERM          |   |    | 15              | 20  | 25   | 30   |
|---------------------------------|---|----|-----------------|-----|------|------|
| Boiler height                   | A | mm | 1185            |     |      |      |
| Boiler depth                    | B | mm | 930             | 930 | 1130 | 1130 |
| Boiler width                    | C | mm | 680             |     |      |      |
| Flue axis height                | D | mm | 950             |     |      |      |
| Flue throat diameter (external) |   | mm | 160             |     |      |      |
| Heating water inlet and outlet  |   |    | Connector G1 ½" |     |      |      |

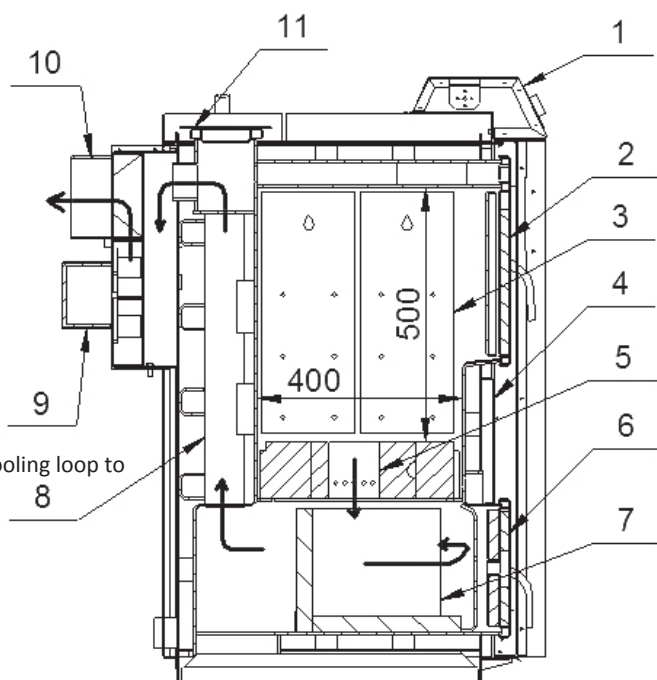
## TECHNICKÉ ÚDAJE

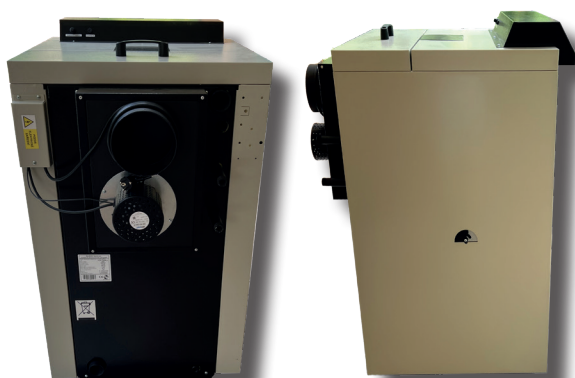
| PYRO THERM                                 |                 | 15                    | 20        | 25   | 30        |
|--------------------------------------------|-----------------|-----------------------|-----------|------|-----------|
| Water inlet and outlet (DN)                |                 | G1 ½" – female thread |           |      |           |
| Nominal boiler output (kW)                 | kW              | 15                    | 20        | 25   | 30        |
| Heating surface (m2)                       | m <sup>2</sup>  | 2,2                   | 2,2       | 2,7  | 2,7       |
| Fuel consumption at rated output           | kg/h            | 3,5                   | 4,9       | 6,5  | 7,4       |
| Log length                                 | mm              | 330                   | 330       | 500  | 500       |
| Boiler efficiency                          | %               | 89,5                  | 89        | 89,7 | 89,2      |
| Boiler weight                              | kg              | 340                   | 340       | 375  | 375       |
| Boiler water volume                        | l               | 75                    | 75        | 95   | 95        |
| Operating draught                          | Pa              | 15                    | 18        | 16   | 18        |
| Maximum working overpressure in the system | bar             | 2                     |           |      |           |
| Guaranteed fuel                            |                 | A – dry wood          |           |      |           |
| Fuel hopper volume                         | dm <sup>3</sup> | 70                    | 70        | 105  | 105       |
| Size of filling hole                       | mm              | 400x335               |           |      |           |
| Boiler class                               |                 | 5                     |           |      |           |
|                                            |                 | ekodesign             | ekodesign |      | ekodesign |

### LEGEND:

- 1 – Control panel
- 2 – Feed door
- 3 – Fuel shaft
- 4 – Secondary air supply
- 5 – Nozzle
- 6 – Combustion chamber door
- 7 – Combustion chamber
- 8 – Tubular heat exchanger
- 9 – Exhaust fan
- 10 – Flue pipe
- 11 – Exchanger cover

The boiler is equipped with a cooling loop to prevent overheating.





**SLOKOV kovo a.s.**  
Kovodělská 794  
Moravský Písek  
PSČ 696 85

tel. 518 387 606, 607

[variant@slokov.cz](mailto:variant@slokov.cz)  
[www.slokov.cz](http://www.slokov.cz)