

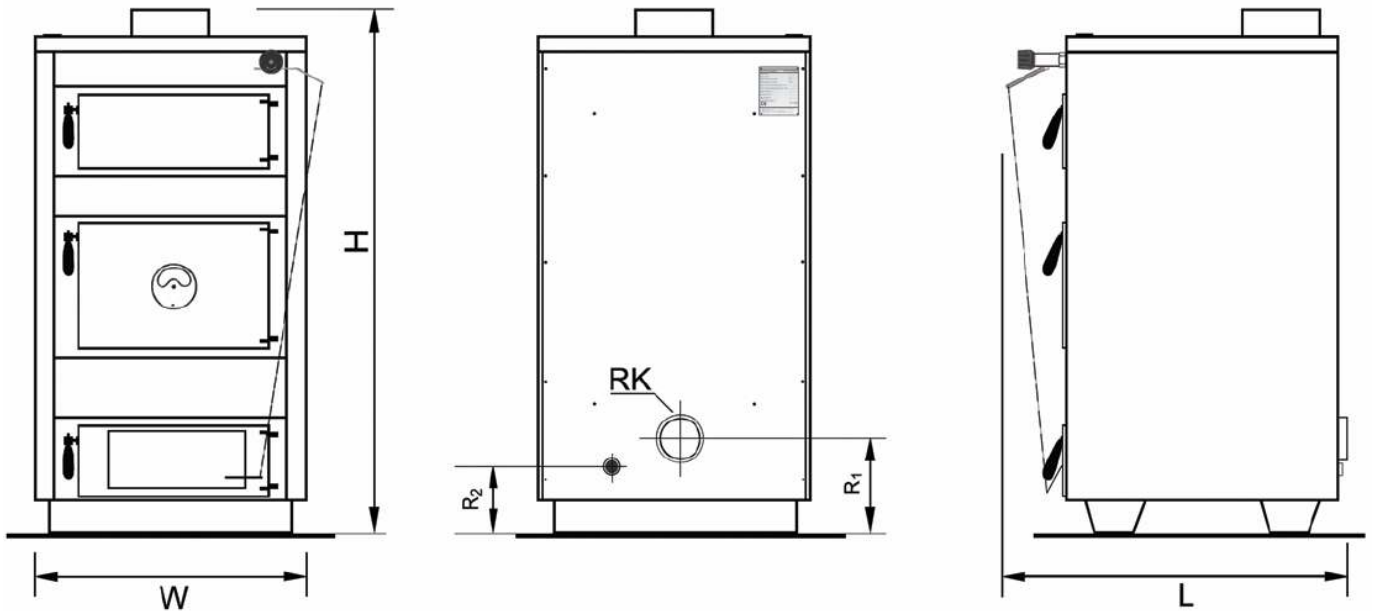


**STR Series**

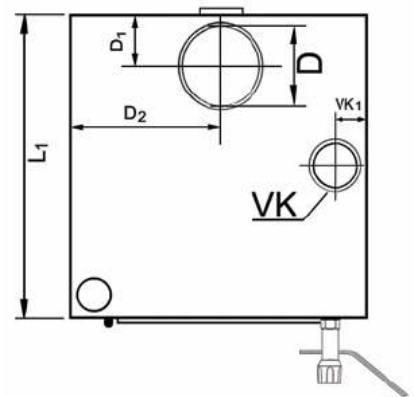
**Steel solid fuel boiler**



**Dimensions:**



|                                  |                      | STR 25 | STR 35 | STR 45 |
|----------------------------------|----------------------|--------|--------|--------|
| <b>Dimensions</b>                |                      |        |        |        |
| Boiler width                     | W, mm                | 555    | 555    | 555    |
| Boiler length                    | L, mm                | 700    | 800    | 900    |
|                                  | L1, mm               | 500    | 600    | 700    |
| Boiler height                    | H, mm                | 1020   | 1020   | 1020   |
| <b>Heating liquid connetions</b> |                      |        |        |        |
| Outlet                           | VK                   | 2"     | 2"     | 2"     |
| Inlet                            | RK                   | 2"     | 2"     | 2"     |
| Safety connection                |                      | 1/2"   | 1/2"   | 1/2"   |
|                                  | VK <sub>1</sub> , mm | 75     | 75     | 75     |
|                                  | R <sub>1</sub> , mm  | 140    | 140    | 140    |
|                                  | R <sub>2</sub> , mm  | 90     | 90     | 90     |
| <b>Exit flue connection</b>      |                      |        |        |        |
| Exit flue connection diameter    |                      | 150    | 150    | 180    |
|                                  | D, mm                | 147    | 147    | 174    |
|                                  | D <sub>1</sub> , mm  | 122    | 122    | 134    |
|                                  | D <sub>2</sub> , mm  | 277    | 277    | 277    |





**TBK STR Series**  
**Steel solid fuel boiler**

**Technical data:**

| Boiler type                                  |        | STR 25          | STR 35          | STR 45          |
|--|--------|-----------------|-----------------|-----------------|
| Nominal heat output (black coal)             | kW     | 23.0 – 25.0     | 32.0 – 35.0     | 42.0 – 45.0     |
|  | kCal/h | 19.780 - 21.500 | 27.520 – 30.100 | 36.120 – 38.700 |
| Nominal heat output (wood)                   | kW     | 20.0 – 22.0     | 27.0 – 30.0     | 34.0 – 37.0     |
|  | kCal/h | 17.200 – 18.920 | 23.220 – 25.800 | 29.240 – 31.820 |
| Minimal heat output                          | kW     | 11.5            | 13.9            | 18.5            |
| Heating water maximum temp.                  | °C     | 90              |                 |                 |
| Heating return water minimum temp.           | °C     | 45              |                 |                 |
| Burning time for nominal output (Black coal) | h      | > 4             |                 |                 |
| Burning time for nominal output (wood)       | h      | > 2             |                 |                 |
| Maximum pressure of system                   | bar    | 3               |                 |                 |
| Minimum pressure of system                   | bar    | 0.4             |                 |                 |
| Boiler water content                         | l      | 48              | 57              | 66              |
| Flue gas mass flow (Black coal)              | kg/s   | 0.033           | 0.041           | 0.047           |
| Flue gas mass flow (wood)                    | Kg/s   | 0.024           | 0.032           | 0.039           |
| Combustion chamber dimensions                | mm     | 440x485         |                 |                 |
|  | mm     | 385             | 495             | 595             |
| Exit flue gas temperature                    | °C     | 210 – 270       |                 |                 |
| Weight                                       | kg     | 205             | 226             | 247             |

## **TBK STR Series**

### **Steel solid fuel boiler**

- Thermostatic temperature control
- Three model range with heating output: 25kW, 35kW and 45kW
- Convenient, efficient and smart heating

\* Each boiler is completed 4bar factory safety test

\* Insulation of the boiler body, wrapped around with a high density 80mm glass wool, guarantying complete insulating and low heat loss of the STR series.

\* Easy installation in boiler room. Reliability of control and safety components

\* Combustion chamber equipped with a particularly heat-resistant cast iron grill

\* Low fuel consumption

\* the boiler unit is coated with electrostatic epoxy powder.



### **TBK Baltics**

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