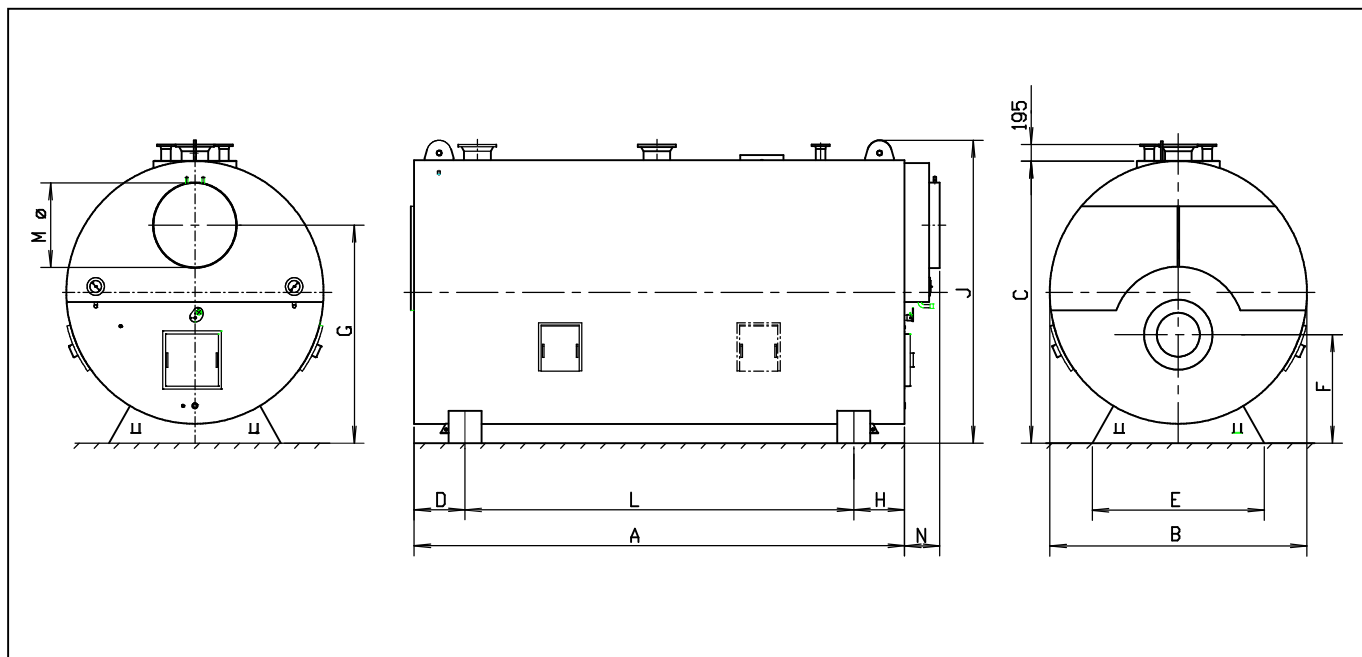


# TVB Nos. 15 to 19 Hot Water Boiler

## Dimension Drawing



|                              | No.            | 15     | 16     | 17     | 18     | 19     |
|------------------------------|----------------|--------|--------|--------|--------|--------|
| Max. heat output at 60/80°C  | kW             | 12.000 | 13.500 | 15.000 | 17.500 | 20.000 |
| Max. heat output at 90/110°C | kW             | 12.000 | 12.500 | 14.500 | 17.500 | 20.000 |
| A                            | mm             | 6130   | 6830   | 7130   | 7330   | 7530   |
| B                            | mm             | 3310   | 3410   | 3410   | 3810   | 3910   |
| C                            | mm             | 3505   | 3655   | 3655   | 4035   | 4135   |
| D                            | mm             | 615    | 615    | 615    | 615    | 615    |
| E                            | mm             | 2166   | 2200   | 2200   | 2580   | 2580   |
| F                            | mm             | 1285   | 1390   | 1390   | 1490   | 1540   |
| G                            | mm             | 2620   | 2820   | 2820   | 3035   | 3100   |
| H                            | mm             | 615    | 615    | 615    | 615    | 615    |
| J                            | mm             | 3750   | 3900   | 3900   | 4280   | 4380   |
| L                            | mm             | 4900   | 5600   | 5900   | 6100   | 6300   |
| M (inside diameter)          | mm             | 950    | 1000   | 1100   | 1150   | 1200   |
| N                            | mm             | 485    | 485    | 485    | 485    | 485    |
| Water content                | m <sup>3</sup> | 23,6   | 27,1   | 28,4   | 39,3   | 41,2   |
| Diameter of furnace          | mm             | 1550   | 1630   | 1630   | 1730   | 1850   |
| Length furnace               | mm             | 5223   | 5904   | 6204   | 6300   | 6500   |
| Flue gas volume              | m <sup>3</sup> | 16,6   | 20,3   | 21,4   | 26,8   | 30,4   |
| Flue gas temperature*        | °C             | 195    | 210    | 210    | 205    | 195    |
| Flue gas resistance*         | mbar           | 11     | 10     | 12     | 13     | 13     |
| Weight 4.0 bar               | ton            | 20,1   | 21,9   | 22,8   | 27,7   | 30,3   |
| Weight 6.5 bar               | ton            | 21,8   | 24,2   | 25,2   | 31,8   | 35,0   |

\* at natural gas, O<sub>2</sub> dry: 2.1%, 31-10-17

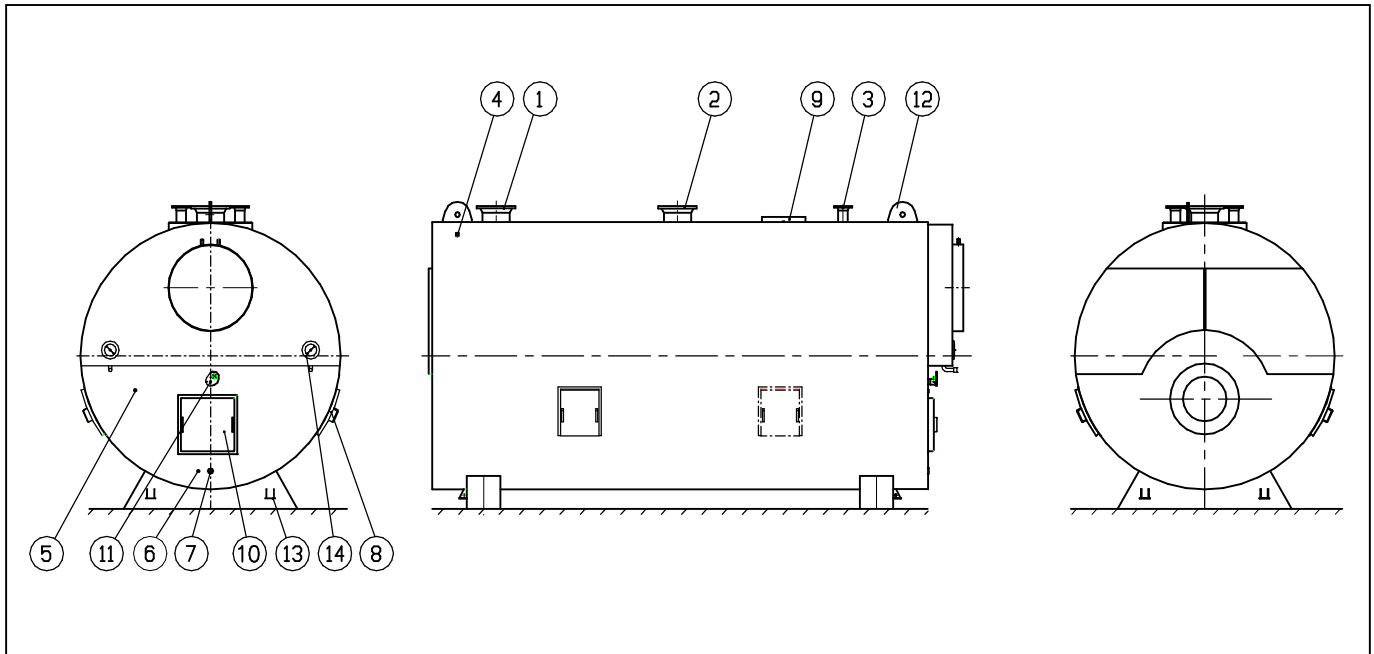
The manufacturer reserves the right to make alterations.

Danstoker a:s

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# TVB Nos. 15 to 19 Hot Water Boiler

## Branch Arrangement



|            |                                    | No.       | 15      | 16      | 17      | 18      | 19      |
|------------|------------------------------------|-----------|---------|---------|---------|---------|---------|
|            | <b>Max.heat output at 60/80°C</b>  | <b>kW</b> | 12.000  | 13.500  | 15.000  | 17.500  | 20.000  |
|            | <b>Max.heat output at 90/110°C</b> | <b>kW</b> | 12.000  | 12.500  | 14.500  | 17.500  | 20.000  |
| <b>Pos</b> | <b>Branch Connections</b>          |           |         |         |         |         |         |
| <b>1</b>   | Flow                               | DN        | 350     | 400     | 400     | 500     | 500     |
| <b>2</b>   | Return                             | DN        | 350     | 400     | 400     | 500     | 500     |
| <b>3</b>   | Safety valves 4,0 bar              | DN        | 2 x 125 | 2 x 150 | 2 x 150 | 2 x 150 | 3 x 150 |
| <b>3</b>   | Safety valves 6,5 bar              | DN        | 2 x 100 | 2 x 100 | 2 x 125 | 2 x 125 | 2 x 150 |
| <b>4</b>   | Measuring                          | RG        | 4 x ¾   | 4 x ¾   | 4 x ¾   | 4 x ¾   | 4 x ¾   |
| <b>5</b>   | Measuring                          | RG        | ½       | ½       | ½       | ½       | ½       |
| <b>6</b>   | Standstill shunt                   | RG        | ¾       | ¾       | ¾       | ¾       | ¾       |
| <b>7</b>   | Drain                              | RG        | 2       | 2       | 2       | 2       | 2       |

|            |                                |            |                       |
|------------|--------------------------------|------------|-----------------------|
| <b>Pos</b> |                                | <b>Pos</b> |                       |
| <b>8</b>   | Man hole 320 x 420 mm (2 pcs.) | <b>12</b>  | Lifting eyes (2 pcs.) |
| <b>9</b>   | Man hole 320 x 420 mm (1 pc.)  | <b>13</b>  | Handling brackets     |
| <b>10</b>  | Access door (inspection)       | <b>14</b>  | Cleaning cover        |
| <b>11</b>  | Inspection hole                |            |                       |

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