Main and individual dimensions

UNIVERSAL steam boiler U-MB
in three-pass flame-tube smoke-tube technology with integrated flue gas heat exchanger

51.004 terminal box
A01.000 Burner
D03.000 Flue gas connection socket
D04.000 Boiler front door
D05.000 Inspection opening steam-side
D05.001 Inspection opening water side option
D05.002 Inspection opening flue gas side
D05.005 Sight hole
D06.000 Base frame
D06.002 Lifting lug
D08.000 Pressure safeguard valve 1
D08.100 Pressure safeguard valve 2 option
D09.009 Steam shut-off valve (motorized)
D12.001 Drain shut-off valve
D12.002 Quick shut-off blow down valve
D12.503 Connection for drainage flue gas condensate
D13.001 Feed water shut-off valve
D13.002 Feed water non-return valve
D14.001 Pressure indicator (with test unit)
D14.002 Pressure limiter
D14.013 Pressure transducer
D15.001 Level indicator 1
D15.003 Level indicator 2 option
D15.006 Level limiter
D15.007 Shut-off valve (sample extraction)
D15.008 Cleaning opening on the module
D15.504 Cleaning opening on the module
D16.006 Conductivity transducer
D16.007 Shut-off valve (sample extraction)
D19.001 Vent shut-off valve option
W32.017 vent shut-off valve flue gas heat exchanger
W32.026 Connecting pipe

Explanation of symbols

⚠️ Warning: dangerous electrical voltage
⚠️ Lifting equipment to be fastened here, only
⚠️ Warning: hot surface, e. g. uninsulated fitting

Subject to change
Main and individual dimensions

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in three-pass flame-tube smoke-tube technology with integrated flue gas heat exchanger

DA092
Version 2 (11/16)

<table>
<thead>
<tr>
<th>UNIVERSAL steam boiler</th>
<th>Dimension(s)</th>
<th>Flue gas connection</th>
<th>Base frame</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L 1 1)</td>
<td>L 2 2)</td>
<td>B 1 3)</td>
</tr>
<tr>
<td>U-MB 460</td>
<td>3100 [mm]</td>
<td>923 [mm]</td>
<td>1397 [mm]</td>
</tr>
<tr>
<td>U-MB 1030</td>
<td>3516 [mm]</td>
<td>923 [mm]</td>
<td>1523 [mm]</td>
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</tbody>
</table>

- References and defaults to Requirements for the boiler installation room see technical information TI024.
- Equipment and complete dimensions in accordance with project-related, technical data sheet.
- The scope of delivery is defined in the order confirmation.
- Dimensions with ± 1 % tolerance
- Dimensions designed for standard insulation 100 mm thick.
- Dimensioning insertion opening:
  - Positioning height: addition of at least 100 mm to dimension H1 resp. dimension H2
    (mounted / not mounted fittings)
  - Positioning width: addition of at least 200 mm to dimension B1 resp. dimension B2
    (mounted / not mounted fittings)

1) Dimension L1 is an standard gauge and depends on the make, type and rated capacity of burner.
2) Smallest transport dimensions once fittings and burner have been removed
3) Dimension H1 may vary acc. to valve manufacturer.