Multiplex Trio E
Digital bathtub control from Viega.
Multiplex Trio E3, E2, E

THE ADVANTAGES.

Current developments are introducing electronic controls into the bathroom, supporting the increasing significance of the bathroom as an oasis of well-being. Innovative detailed solutions from Viega confirm this trend with ultra-comfortable systems for automatic bath filling.
Comfort and operation

■ Intuitive operation, from the very first time you use it
The clear operating concept makes it easy to operate the Multiplex Trio E fittings. With the E and E2 versions, a luminous ring shows the water temperature, inlet quantity and operating status through the colour or interval between flashing. The Multiplex Trio E3 is also equipped with a display, which shows a user menu for all further settings dealing with the running of the bath when you press lightly on the screen.

■ No need to watch the bath filling up
Individual pre-settings for several users can be saved and accessed using the memory function of the three Multiplex Trio E designs. Determining a maximum fill quantity and/or maximum temperature brings both economical and ecological advantages.

■ Remote control is possible with Multiplex Trio E WLAN module
The bathing pleasure can also be comfortably prepared by remote control using an additional WLAN module – via a browser and without having to install an app. Whether with Android, IOS or Windows – the remote control is compatible with all terminal devices. Protective measures included. The Multiplex Trio E fitting for example switches off automatically if the remote connection with the smartphone or tablet is interrupted.

■ Easy cleaning
By activating the cleaning mode, a “key lock” comes into operation. Smooth, dirt-repellent surfaces support the rapid cleaning process.

Design and quality

■ Individual bathroom design
The control and display elements can be fitted in the rim of the bathtub, in a pedestal or in the wall in a completely free manner, making them easily accessible at all times. All control functions concerning the bathtub are combined into no more than two compact control elements (diameter 55 mm) and a display element (diameter 58 mm). A gain in space because conventional mixer taps are not required.

■ Best quality, timelessly beautiful
Chrome and glass have an ever-lasting durability. But there’s even more: The clear product design of the Multiplex Trio E series, which has won numerous awards, blends well with the form and material of all the other bathroom furnishings.

Installation and maintenance

■ Installation that’s child’s play
The delivery includes all the components needed to connect the fitting to the existing pipework. It only takes a couple of minutes and all the components are assembled and working. You also have the option of purchasing installation kits to position the controls remotely from the bathtub.

■ Minimal maintenance efforts
The mixer unit, control elements and display elements generally require no maintenance. Depending on the situation, the filter of the corner valve may simply need cleaning at regular intervals. The technical components can be positioned absolutely wherever you want. They are always accessible due to an inspection opening.
Multiplex Trio E3, E2, E

MODEL CONTROL & FUNCTIONS.

Multiplex Trio E3
For a huge array of viewing directions: Rotating display element with glass surface and chrome-plated control elements with luminous ring.

Menu status ON
Left to right: bathtub inlet/hand shower, temperature/water volume, closing/opening of an electrical drain fitting (optional), return to live display

Menu status OFF
Left to right: closing/opening of an electrical drain fitting (optional), cleaning mode, water consumption display, opening extended menu, new input of an access code, return to live display

Extended menu, including: max. inlet duration, temperature limitation, functional test with diagnosis, temperature settings in °C or °F, re-installation to factory settings

Model 6146.215
With visible live display, here with two extension sets for installation outwith the rim of the bathtub.

model 6146.36
(for control element)

and model 6146.221
(for display element).

Multiplex Trio E2
Two chrome-plated control elements, each with luminous ring and clear separation of functions.

Basic functions of the control element
- On/off, hot/cold, closing/opening of an electrical drain fitting (optional)
- switch to hand shower, water inlet volume

Model 6146.2;
Here with two extension sets, model 6146.36, for installation outside the tub rim

Multiplex Trio E
All functions in one control element with luminous ring.

Basic functions of the control element
- On/off, hot/cold, water inlet volume, switch to hand shower, closing/opening of an electrical drain fitting (optional)
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<th>Drain set</th>
<th>Hand shower/Bathtub filling</th>
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<tr>
<td><strong>push:</strong> Water start/stop, live display appears on screen</td>
<td><strong>push:</strong> Status ON/OFF</td>
<td><strong>push:</strong> Status ON</td>
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<tr>
<td><strong>turn:</strong> temperature selection, live display shows temperature</td>
<td><strong>push:</strong> Menu is shown on display</td>
<td><strong>push:</strong> Menu is displayed</td>
<td><strong>push:</strong> Menu is displayed</td>
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<tr>
<td><strong>press and turn:</strong> Setting water volume, live display shows water volume</td>
<td><strong>turn:</strong> Set focus to drain valve</td>
<td><strong>turn:</strong> Set focus to hand shower/bathtub filling</td>
<td><strong>turn:</strong> Set focus to cleaning mode</td>
</tr>
<tr>
<td></td>
<td><strong>push:</strong> Drain fitting closes/opens</td>
<td><strong>push:</strong> Hand shower/Bathtub filling starts</td>
<td><strong>push:</strong> luminous ring flashes green, keys blocked for 45 seconds</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>push:</strong> like MT E2 and MT E3</td>
</tr>
</tbody>
</table>

**Bathtub filling**

- **push:** Water start/stop
  - MT E2 switched off
  - press and hold: luminous ring lights up blue
  - release: luminous ring flashes blue, drain fitting closes/opens
- **turn:** Temperature selection
  - MT E2 switched on
  - press and hold: luminous ring lights up green
- **press and turn:** Set water volume
  - MT E switched off
  - press and hold: luminous ring lights up blue
  - release: luminous ring flashes blue, fitting closes/opens

**Drain set**

- optional, when electrical unit connected
  - **push:** Water start/stop, live display appears on screen
  - **turn:** temperature selection, live display shows temperature
  - **press and turn:** Setting water volume, live display shows water volume

**Hand shower/Bathtub filling**

- **push:** Hand shower/Bathtub filling starts
- **turn:** Set focus to drain valve
- **press and turn:** Setting water volume
- **press and hold:** luminous ring lights up blue
- **release:** luminous ring flashes blue, drain fitting closes/opens

**Cleaning**

- **push:** Menu is displayed
- **turn:** Set focus to cleaning mode
- **push:** Hand shower/Bathtub filling starts
- **press and hold:** luminous ring flashes blue
- **release:** luminous ring flashes blue, drain fitting closes/opens
- **press and hold:** luminous ring lights up green
- **release:** luminous ring lights up blue
- **press and hold:** luminous ring lights up green
- **release:** luminous ring flashes green, keys blocked for 45 seconds
Multiplex Trio E3, E2, E

COMBINE. CREATE. ENJOY.

The Internet of Things enters into the bathroom with Viega Multiplex Trio E. The intelligent control element can be controlled via WLAN and Internet – even from the road, simply by smartphone, tablet, PC or notebook.

Multiplex Trio E3 with Visign MT5 fitting.
The Visign MT5 drain and overflow fitting is ultra-flat and fitted in front of and behind the edge of the bathtub. Model 6146.215 and 6149.10

Possible design variants

MT5, RT5
MT3, RT3
MT9, RT9
**Can be combined with electric controlled drain fittings**
The Multiplex Trio E fittings can be used with all mechanical Viega bathtub fittings. But they are even better when combined with electric bathtub fittings, e.g. Multiplex Trio F or Rotaplex Trio F.

**Flexible assembly**
The whole Multiplex Trio E base unit can be positioned out of sight. An inspection opening keeps access open. See the instruction manual for other installation possibilities.

**Free positioning**
Various extension sets are available to install the control and display elements wherever you like, e.g. in a pedestal on the side or in the wall. See bottom right figure.

**Multiplex Trio E mixer unit**
Flexible assembly, even in tight installation situations. Electronics and water remain clearly separated from one another.
Dimensions L 255 x W 175 x H 75 mm

**Multiplex Trio E WLAN module**
Model 6146.224 intended for installation into Multiplex Trio E mixing unit, for remote control of the fitting.

**Multiplex Trio E extension sets**
Each with cover rosette, for installation in cavity wall constructions or in masonry. In the picture: Model 6146.36 for a control unit. The extension set model 6146.221 is available for the display element of the Multiplex Trio E3.
### Multiplex Trio E3, E2, E

**WITH VIEGA DRAIN FITTINGS.**

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<th>Rotaplex Trio, drain hole 90 mm</th>
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<tr>
<td><strong>Multiplex Trio drain and overflow</strong></td>
<td><strong>Rotaplex Trio drain and overflow fitting</strong></td>
</tr>
<tr>
<td><strong>Visign MT5</strong></td>
<td><strong>Visign RT5</strong></td>
</tr>
<tr>
<td><strong>Models 6175.1</strong></td>
<td><strong>Model 6175.2</strong></td>
</tr>
<tr>
<td><strong>Multiplex Trio functional unit</strong></td>
<td><strong>Multiplex Trio functional unit</strong></td>
</tr>
<tr>
<td>Drain and overflow fitting for water inlet through the overflow.</td>
<td>Drain and overflow fitting for water inlet through the overflow.</td>
</tr>
<tr>
<td><strong>Visign MT5 Model 6161.01</strong></td>
<td><strong>Visign RT5 Model 6141.01</strong></td>
</tr>
<tr>
<td><strong>Models 6161.52, 6161.62, 6161.72</strong></td>
<td><strong>Models 6141.62, 6141.72</strong></td>
</tr>
<tr>
<td><strong>Rotaplex Trio drain and overflow fitting</strong></td>
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<td><strong>Visign MT5 Model 6161.10</strong></td>
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<td><strong>Models 6161.13</strong></td>
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<tr>
<td><strong>Visign MT3 Model 6161.13</strong></td>
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<tr>
<td><strong>Multiplex Trio equipment sets</strong></td>
<td><strong>Rotaplex Trio equipment sets</strong></td>
</tr>
<tr>
<td>as a supplement of Multiplex Trio functional unit.</td>
<td>as a supplement of Multiplex Trio functional unit.</td>
</tr>
<tr>
<td><strong>Visign MT3 Model 6161.13</strong></td>
<td><strong>Visign MT5 Model 6161.10</strong></td>
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<tr>
<td><strong>Models 6141.62, 6141.72</strong></td>
<td><strong>Models 6175.1, 6175.2</strong></td>
</tr>
</tbody>
</table>

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**Notes:**
- Multiplex Trio E3, E2, E is a drain and overflow fitting for water inlet through the overflow.
- Multiplex Trio drain and overflow typically includes a drain that allows water to flow out, and an overflow that prevents water from overfilling the basin.
- Rotaplex Trio drain and overflow fitting is designed to complement the Multiplex Trio functional unit, ensuring efficient water drainage and overflow management.
- Models 6175.1 and 6175.2 for Multiplex Trio and Rotaplex Trio respectively, with specific features like motorised valve and cone trap for enhanced functionality.

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<table>
<thead>
<tr>
<th>Multiplex Trio F, drain hole 52 mm</th>
<th>Rotaplex Trio F, drain hole 90 mm</th>
</tr>
</thead>
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<tr>
<td><strong>Multiplex Trio F drain/overflow</strong></td>
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</tr>
<tr>
<td>with motor-driven valve cone seal</td>
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</tr>
<tr>
<td>for water inlet through the drain</td>
<td>for water inlet through the drain,</td>
</tr>
<tr>
<td>electric version</td>
<td>electric version</td>
</tr>
</tbody>
</table>

- **Model 6148.1**
- **Model 6148.2**

<table>
<thead>
<tr>
<th>Multiplex Trio F drain/overflow</th>
<th>Rotaplex Trio F drain/overflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>for water inlet through the drain</td>
<td></td>
</tr>
</tbody>
</table>

- **Models 6145.4, 6145.5, 6145.6**
- **Model 6145.1**
Multiplex Trio E3, E2, E

FREQUENTLY ASKED QUESTIONS.

Installation

- Who puts the installation holes into the tub, tradesman or tub manufacturer?
  It is recommended that the tub boreholes are made by the manufacturer. This applies especially to steel tubs. If an acrylic tub is being installed, a tradesman can make the boreholes for the control elements if needed.
  Borehole diameter: 38 – 40 mm.
  Recommended minimum distance between two borehole centres: 80 mm

- Can the control elements be used in the wall as well?
  Yes, the control elements can be positioned absolutely wherever you want. They can be fitted in the edge of the tub, as well as in their own pedestal or in the wall. Optional extension sets are available to position the control and display elements. These make it possible to install in cavity wall constructions or masonry.
  See also page 7

- Do I need a pipe interrupter?
  Yes, because the Multiplex Trio E fittings have to be made safe in accordance with the valid installation regulations.

Guarantee

- Must the Multiplex Trio E fittings be installed by a trained electrician or can they also be fitted by an installer?
  Many installers are able to install the Multiplex Trio E fittings.

Mixing unit

- Where is the mixing unit fitted?
  The mixing unit can be positioned wherever you want, taking into account the installation instructions.

- How high-maintenance are the fittings in the Multiplex Trio E series?
  They are generally maintenance-free. Depending on the situation, the filter of the corner valves may occasionally need cleaning or replacing.

Multiplex Trio E WLAN module

- Are additional components required to use the Multiplex Trio E WLAN module?
  No, the separately available WLAN module is installed in the mixing unit of the fitting.

- With which terminal devices can the Multiplex Trio E WLAN module be used?
  The WLAN module is compatible with all terminal devices. It is accessed via a browser without having to install an app.

- Which fittings can be controlled with the app?
  Multiplex Trio E3 as well as versions E2 and E (from year of construction 2014) can be controlled.
Possible combinations

- With which drain and overflow fittings are the Multiplex Trio E fittings compatible
  The Multiplex Trio E fittings can be combined with all electric and mechanical bath tub fittings from Viega.
  See also page 8 and 9.

- Can the bath tub drain also be operated using a Multiplex Trio E fitting?
  Yes, this is possible if an electric Viega bath tub fitting, e.g. a Multiplex Trio F or Rotaplex Trio F, is connected with the combined function of filling the bath from the base. In addition, the Multiplex Trio and Rotaplex Trio drain and overflow fittings are available in electric versions.
  See also page 8 and 9.

- Which handshower can be used in combination with the Multiplex Trio E range?
  Any purchased shower head can be connected to the mixing unit using the connection hose provided with the Multiplex Trio E fittings.

Electricity

- How high is the power consumption?
  The power consumption in standby mode is less than one watt. During operation, it is max. 45 watt.

- What happens if there is a power cut while the bath is running?
  In this case, the built-in battery will take over the power supply. If this reaches its lower charge threshold, the water supply is automatically switched off. The battery is then recharged when the mains power returns.

Technical data

- Hot water temperature: $T_{\text{max}} \leq 60 ^\circ C$ (85°C during therm. disinfection)
- Recommended flow pressure: 1 – 5 bar
- Pressure difference between HW and CW: max. 1 bar
- Test pressure: max. 15 bar (1.5-times max. operating pressure)
- Electrical supply: 100 – 240 V AC, 50/60 Hz
- Power consumption: Standby < 1 W; $P_{\text{max}}$ 45 W