

Multiplex Trio E

Digital bathtub control
from Viega.



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.

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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.



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 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 6146.2;

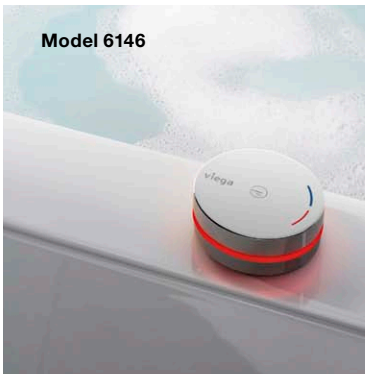
Here with two extension sets, **model 6146.36**, for installation outside the tub rim

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

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)



Bathtub filling**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

Drain set

optional, when electrical
unit connected

Status ON/OFF

**push:**

Menu is shown
on display

**turn:**

Set focus to drain valve

push:

Drain fitting
closes/opens

**Hand shower/
Bathtub filling**

Status ON

**push:**

Menu is displayed

**turn:**

Set focus to hand
shower/bathtub filling

push:

Hand shower/Bathtub
filling starts

Cleaning

Status OFF

**push:**

Menu is displayed

**turn:**

Set focus to cleaning
mode

push:

luminous ring flashes
green, keys blocked for
45 seconds

**push:**

Water start/stop

turn:

Temperature selection

**turn:**

Set water volume

MT E2 switched off

**press and hold:**

luminous ring lights up
blue

release:

luminous ring flashes
blue, drain fitting
closes/opens

MT E2 switched on

**push:**

Hand shower/Bathtub
filling starts

MT E2 switched off

**press and hold:**

luminous ring lights up
green

release:

luminous ring flashes
green, keys blocked for
45 seconds

**push:**

Water start/stop

turn:

Temperature selection

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

MT E switched on

**press and hold:**

luminous ring lights up
blue

release:

Hand shower/Bathtub
filling starts

MT E switched off

**press and hold:**

luminous ring lights up
green

release:

like MT E2 and MT E3

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

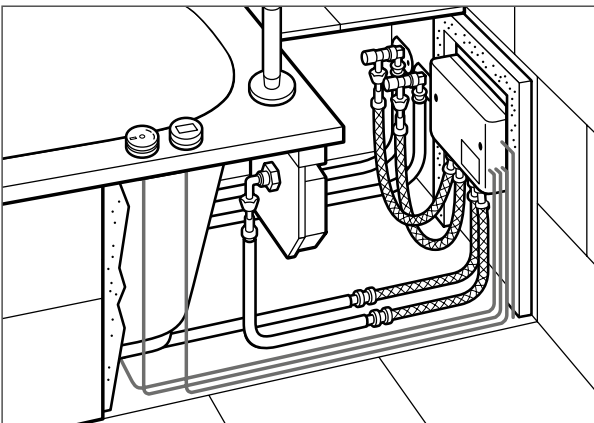


Free positioning

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 E3 shown here in bathtub rim.



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.

Multiplex Trio, drain hole 52 mm

Model
6175.1



**Multiplex Trio
drain and overflow
Visign MT5**
with motorised valve
cone trap



**Multiplex Trio
drain and overflow
Visign MT9**
**Water level raiser
function plus 5 cm**
for water inlet through
overflow unit

Model
6170.10

Multiplex Trio functional unit

Drain and overflow
fitting for water inlet
through the overflow.

**Multiplex Trio
equipment sets**
as a supplement of
Multiplex Trio
functional unit.



Visign MT5
Model 6161.01



Visign MT3
Model 6161.13

Models
6161.52, 6161.62, 6161.72

Rotaplex Trio, drain hole 90 mm

Model
6175.2



**Rotaplex Trio drain
and overflow fitting
Visign RT5**
with motorised valve
cone trap

Rotaplex Trio functional unit

Drain and overflow
fitting for water inlet
through the overflow.

**Rotaplex Trio
equipment sets**
as a supplement of
Multiplex Trio
functional unit.



Visign RT5
Model 6141.01



Visign RT3
Model 6141.02

Models
6141.62
6141.72

Multiplex Trio F, drain hole 52 mm

Multiplex Trio F drain/overflow with motor-driven valve cone seal for water inlet through the drain, electric version

**Model 6148.1**

Multiplex Trio F drain/overflow for water inlet through the drain

**Models 6145.4, 6145.5, 6145.6****Rotaplex Trio F, drain hole 90 mm**

Rotaplex Trio F drain/overflow with motor-driven valve cone seal for water inlet through the drain, electric version

**Model 6148.2**

Rotaplex Trio F drain/overflow for water inlet through the drain

**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: $T_{\max} \leq 60^{\circ}\text{C}$
(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_{\max} 45 W

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