

## Instructions for Use

# Rotaplex Trio drain/overflow Visign RT3



for water supply through the overflow unit

**Model**  
6141.61

**Year built (from)**  
08/2015

**viega**

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# 1 About these instructions for use

Trade mark rights exist for this document; for further information, go to [viega.com/legal](http://viega.com/legal).

## 1.1 Target groups

The information in this instruction manual is directed at the following groups of people:

- Heating and plumbing experts and trained personnel
- Operators
- Consumers

Individuals without the abovementioned training or qualification are not permitted to mount, install and, if required, maintain this product. This restriction does not extend to possible operating instructions.

The installation of Viega products must take place in accordance with the general rules of engineering and the Viega instructions for use.

## 1.2 Labelling of notes

Warning and advisory texts are set aside from the remainder of the text and are labelled with the relevant pictographs.



### **DANGER!**

This symbol warns of possible life-threatening injury.



### **WARNING!**

This symbol warns of possible serious injury.



### **CAUTION!**

This symbol warns of possible injury.



### **NOTICE!**

This symbol warns of possible damage to property.



This symbol gives additional information and hints.

### 1.3 About this translated version

This instruction for use contains important information about the choice of product or system, assembly and commissioning as well as intended use and, if required, maintenance measures. The information about the products, their properties and application technology are based on the current standards in Europe (e.g. EN) and/or in Germany (e.g. DIN/DVGW).

Some passages in the text may refer to technical codes in Europe/Germany. These should serve as recommendations in the absence of corresponding national regulations. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this manual: The information herein is not binding for other countries and regions; as said above, they should be understood as a recommendation.

## 2 Product information

### 2.1 Intended use

#### 2.1.1 Areas of application



#### **NOTICE!**

#### **Risk of damage due to unsuitable liquids**

To avoid damaging the drain, only introduce the following liquids:

- Typical household wastewater with temperatures up to 95 °C
- The pH value must be higher than 4 but lower than 10.

The Rotaplex Trio drain/overflow is a combined inlet, drain and overflow with odour trap for bathtubs with a 90 mm drain hole. The inlet flows through the overflow opening.

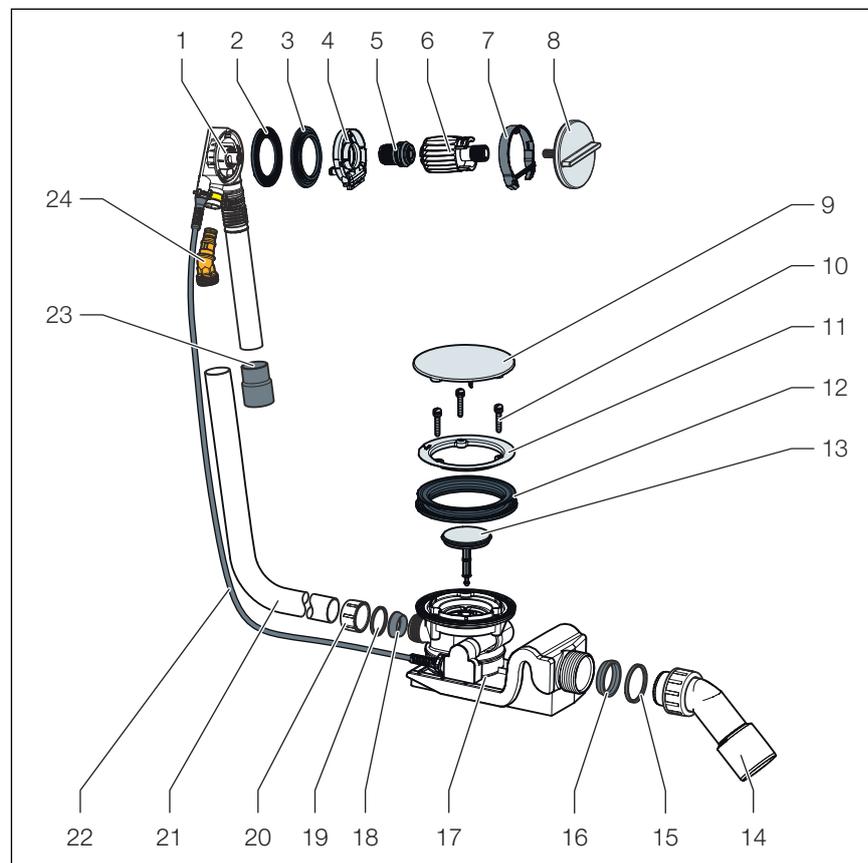
The drain/overflow is suitable for bathtubs with a central drain outlet.

Detailed information regarding all bathtub models and the corresponding Viega drains/overflows can be found in the catalogue or on the Internet.

## 2.2 Product description

### 2.2.1 Overview

The following components are included in the scope of delivery of the Rotaplex Trio drain / overflow:



**Fig. 1: Component overview**

- 1 Overflow unit
- 2 Profile seal
- 3 additional seal (for steel bathtubs)
- 4 supply flange
- 5 Fixing screw
- 6 Mounting aid
- 7 Flange cover
- 8 Rotatable rosette
- 9 Cover plate
- 10 Fixing screws
- 11 Fixing flange
- 12 double seal
- 13 Drain plug
- 14 Waste elbow
- 15 Sliding ring
- 16 Seal
- 17 Odour trap
- 18 Seal
- 19 Sliding ring
- 20 Union nut
- 21 Overflow pipe

- 22 Bowden cable
- 23 Coupling
- 24 Connecting piece

## 2.2.2 Technical data

Drainage capacity (at an accumulation height of 300 mm)	1.25 l/s
Overflow capacity (at an accumulation height of 60 mm)	0.63 l/s
Inlet capacity (at 0.25 MPa (2.5 bar))	20 l/min
Diameter of bathtub drain hole	90 mm
Outlet pipe DN (nominal diameter)	40 / 50 mm
Length of Bowden cable	725 mm
Length	150–400 mm
Height	180–430 mm
Dimensions and installation depth	☞ Chapter 3.1.2 'Installation dimensions' on page 10
Water seal level	50 mm

## 2.3 Accessories



The accessories shown here are not included in the scope of delivery. If required, it must be purchased separately.

### Required accessories



#### Pipe interrupter

To ensure that no bath water can flow back into the potable water installation, a pipe interrupter must be installed, e.g., the connection set with concealed pipe interrupter DN15, model 6161.86. A suitable cover rosette for the pipe interrupter must be purchased separately.

**Optional accessories**



**Rotaplex extension set**

It is possible to extend the odour trap below the bathtub in the case of bathtubs with a very thick floor. The extension set, model 6141.7, is available for such cases.

## 3 Handling

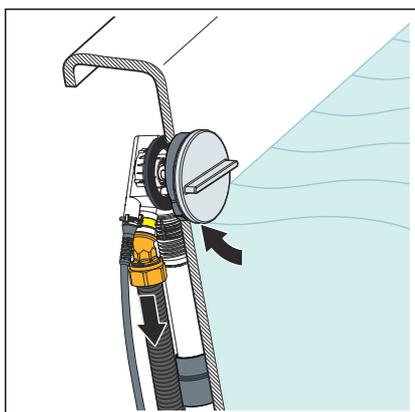
### 3.1 Assembly information

#### 3.1.1 Mounting conditions

The following requirements exist for the mounting of the drain / overflow:

- The bathtub is installed.
- The drain pipeline is installed all the way to the bathtub.
- The underside of the bathtub is accessible.

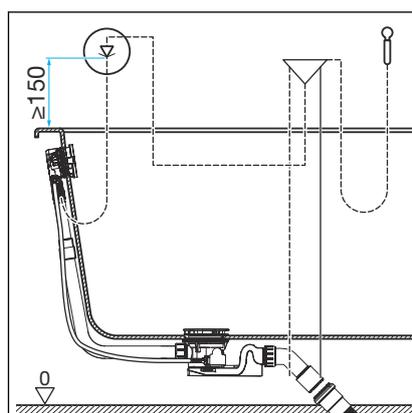
#### Pipe interrupter



**Backflow situation:** If a negative pressure situation should occur while the bathtub is full, bath water may flow back into the potable-water installation.

To prevent bath water from flowing back into the potable-water installation, a pipe interrupter must be installed in the pipeline between the shut-off valve and the tub inlet.

The following schematic diagram shows what this should look like:



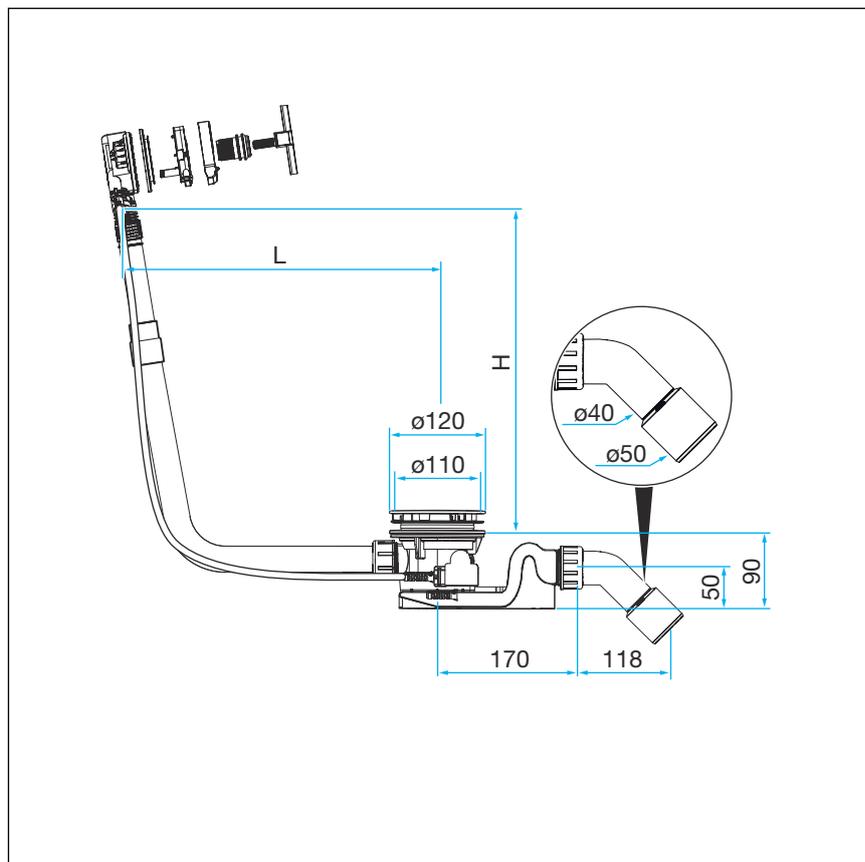
**Fig. 2: Installation diagram with pipe interrupter**

It is important that the pipe interrupter is mounted vertically, in the direction of flow and at least 150 mm above the upper edge of the bathtub.

Observe the local standards and regulations.

The pipe interrupter is not included in the scope of delivery and must be ordered separately. Observe the instructions for use of the pipe interrupter.

### 3.1.2 Installation dimensions



**Fig. 3: Dimensional drawing**

The following values are valid for L (length) and H (height):

L = 150–400

H = 180–430

### 3.1.3 Required tools and materials

#### Tool

- fine-toothed saw
- flat-blade screwdriver
- mounting aid (included in the scope of delivery)
- Open-end spanner (size 26)

#### Material

The following material must be purchased separately and must be available during mounting:

- Pipe interrupter (e.g. the pipe interrupter set incl. material for the inlet connection)
- Connection set for the inlet connection (e.g. the pipe interrupter set)

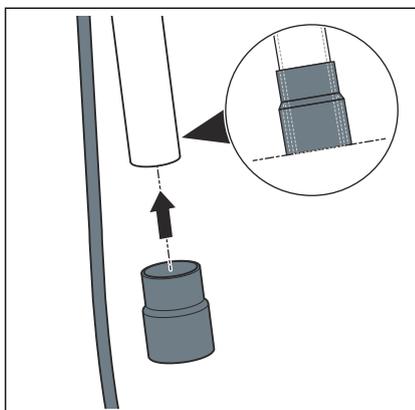
## 3.2 Assembly

### 3.2.1 Mounting overflow

Proceed as follows to the mounting of the overflow:

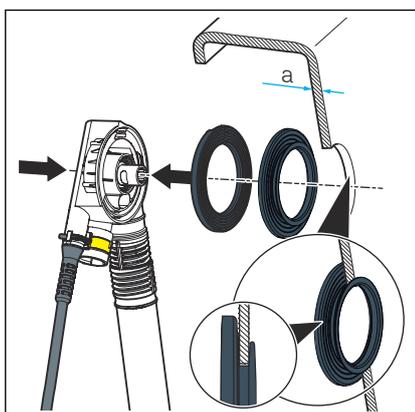
- Push the rubber sleeve onto the pipe of the overflow unit.

The bottom edge must be flush with the edge of the overflow pipe.

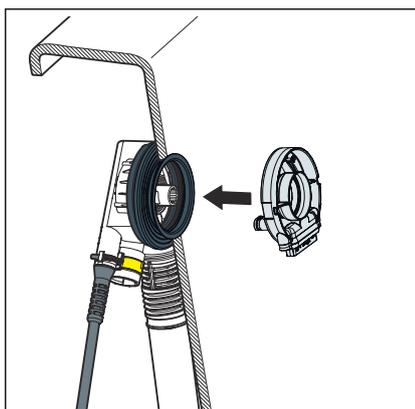


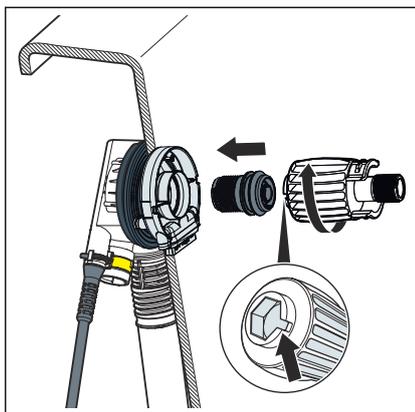
- Fit the profile seal in the overflow unit.

- If the wall thickness  $a$  is less than 3 mm (for steel bathtubs), fit the additional seal between the profile seal and the bathtub.



- Fit the inlet flange into the overflow unit.



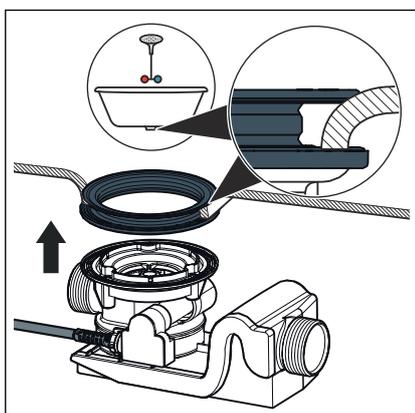


- Screw in the fixing screw and tighten hand tight with the mounting aid.

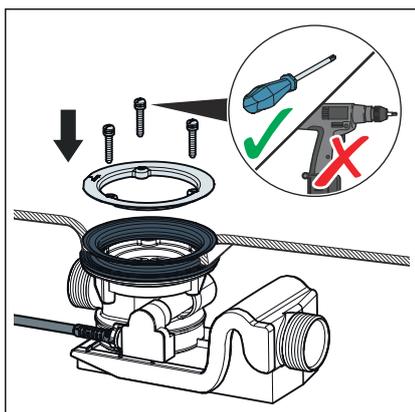
There is a groove on the hexagon of the mounting aid, which is placed on the bar of the fixing screw.

### 3.2.2 Mounting the drain

Proceed as follows to mount the drain:



- Place the double seal into the drain hole of the bathtub.
- Position the drain unit on the double seal from below in such a position that the upstand of the drain unit is placed in the recess of the double seal.



- Fit the fixing flange in the double seal.
- Place the fixing screws in the drain unit and tighten them by hand.

The screw with the internal thread must go into the hole left of the inlet opening in the drain unit (see detailed illustration).

**INFO!** Cordless screwdrivers or similar tools can damage the product. Only tighten the screws by hand.

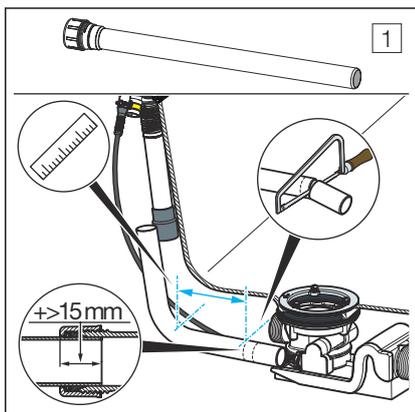
### 3.2.3 Connecting overflow and drain

Once the overflow and drain have been installed, connect both to the overflow pipe.

Requirements:

- The overflow is mounted in the overflow opening.
- The drain is securely mounted on the base of the bathtub.

**NOTICE!** Connections where the pipes are not inserted far enough into each other become leaky. For this reason, maintain a minimum insertion depth of 15 mm for every connection.

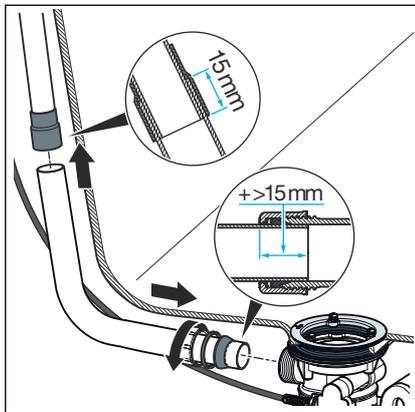


- Hold the overflow pipe parallel to the pipe of the overflow unit and mark the points where the drain and overflow are connected.

Minimum insertion depth: 15 mm

- Cut the overflow pipe to the marked length and deburr it.

The overflow extension (1) is only supplied with drain sets for extra-long bathtubs.



- Push the top end of the overflow pipe into the rubber sleeve.

Minimum insertion depth: 15 mm

- Push the union nut, sliding ring and seal onto the bottom end of the drain elbow.

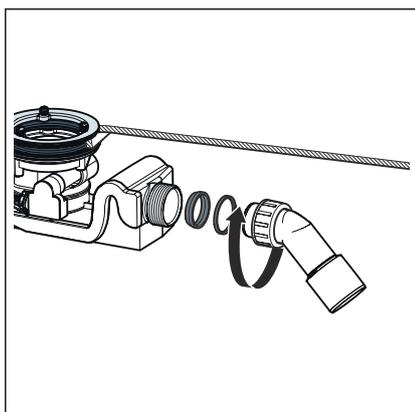
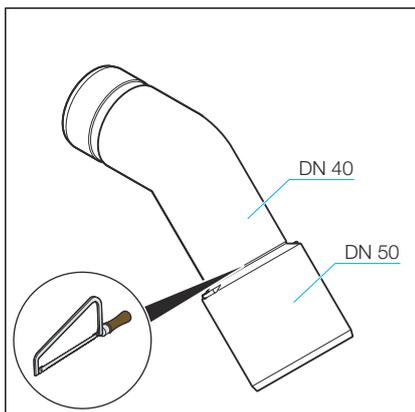
- Screw the union nut on the drain unit.

### 3.2.4 Connecting the wastewater system

Proceed as follows to connect the drain/overflow to the wastewater system:

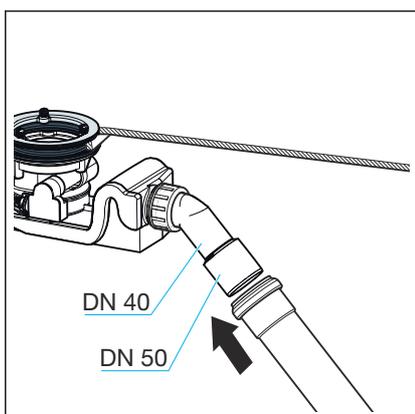
Requirements:

- The overflow and drain units are installed on the bathtub.
- The connection between overflow and drain has been made.
- If the wastewater pipe only has a diameter of 40 mm, cut off drain elbow.



- Push the union nut, sliding ring and seal onto the waste elbow.
- Screw the union nut on the drain unit.

Minimum insertion depth: 15 mm



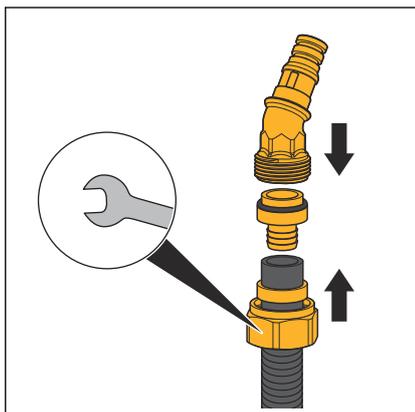
- Align the odour trap in such a way that the drain elbow can be connected to the wastewater pipe. To do this, turn the drain.
- Push the wastewater pipe in the drain elbow.

### 3.2.5 Connecting the inlet

Proceed as follows to connect the water supply to the overflow unit:

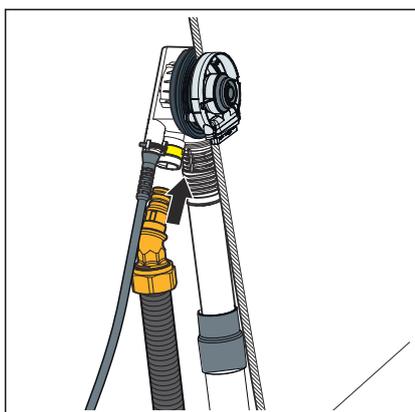
Requirements:

- A connection set (e. g. the pipe interrupter set) is available.
- A pipe interrupter is installed in the supply pipeline.
- The overflow and the drain are mounted.
- The overflow and the drain are connected.
- The connection to the wastewater system has been made.



**INFO! Mounting with the Viega plug connection is described in the following. Mounting can also be carried out with other connecting materials. If necessary, observe the manufacturer's instructions.**

- Push the union nut and the clamping ring (parts of the connection set) onto the water-carrying pipe.
- Push the narrow end of the screw fitting (part of the connection set) into the pipe as far as it will go.
- Push the free end of the screw fitting into the connecting piece.
- Use the union nut to screw the pipe tight at the connecting piece.

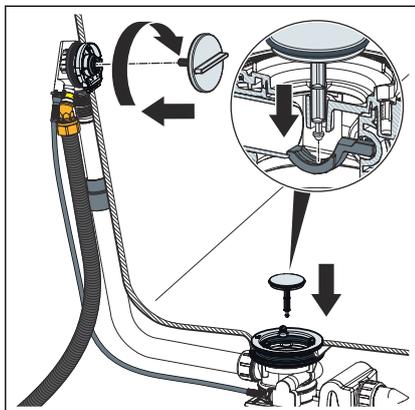


- Insert the connecting piece into the overflow unit.

The connecting piece must click into place in the overflow unit with a noticeable clicking sound.

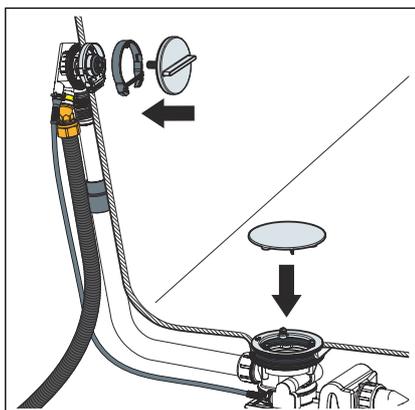
### 3.2.6 Mounting equipment set

To avoid damage to the rosette and drain plug, mount the equipment set only after finishing all other work on the building site. Proceed as follows:



- Align the rotatable rosette and install it into the overflow unit.
- Turn the rotatable rosette to the right (open position) and hold.
- Fit the drain plug.

The pin on the underside of the drain plug must be guided through the middle hole of the fixing flange into the recess in the drain unit until it engages noticeably (see detailed illustration).



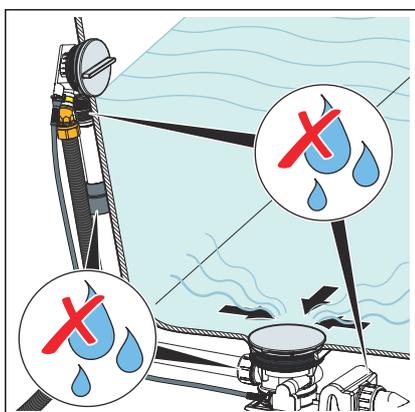
- Place the flange cover onto the supply flange with the straight side facing downwards and affix.
- Align and fit the rotatable rosette.
- Place the cover plate onto the fixing flange and affix.

Place the holes on the underside of the cover plate onto the heads of the screws.

### 3.2.7 Leakage test

The leakage test is only carried out as a visual inspection.

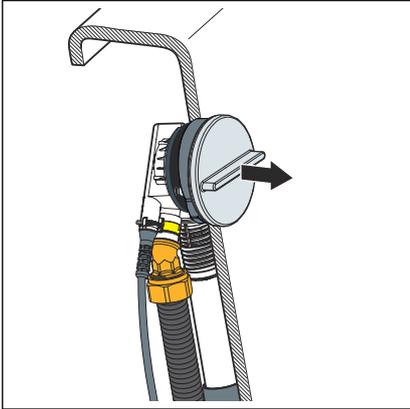
Check the points marked in the following drawing.



- Check for visible leaks.

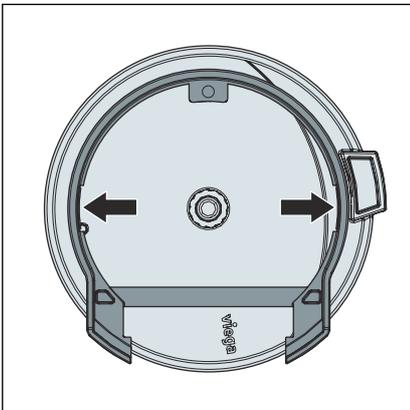
### 3.2.8 Demounting rotatable rosette

If the rotatable rosette on the overflow is to be removed, observe the following sequence to avoid damaging the rosette and the flange cover:



- ▶ Pull off the rotatable rosette in the axial direction.

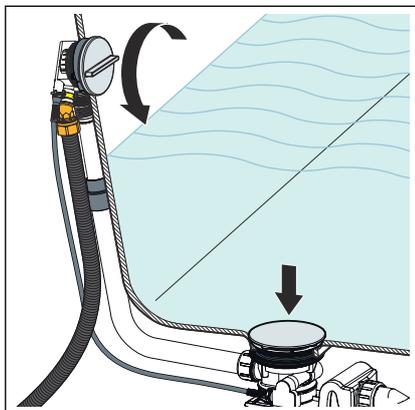
Fig. 4: 614161\_HB18



- ▶ Lever out the flange cover at the marked attachment points.
- ▶ Remove the flange cover.

### 3.3 Use

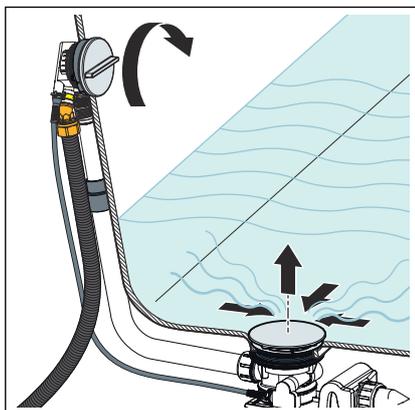
The drain / overflow are controlled via the rotatable rosette on the overflow. To close or open the drain, proceed as follows:



➤ Turn the rotatable rosette to the left.

□ The drain closes itself.

**INFO!** The drain plug sinks and prevents the water from draining away. The cover plate does not alter its position.



➤ Turn the rotatable rosette to the right.

□ The drain opens itself.

**INFO!** The drain plug lifts and the water can flow away. The cover plate does not alter its position.

#### Setting the direction of the water supply

There is a regulator for the water jet on the underside of the rotatable rosette. To adjust the water jet, proceed as follows:



➤ Push the flow control backwards or forwards with your finger. The water flows closer or further away from the side of the bathtub depending on the direction set.

## 3.4 Care



### NOTICE!

#### Risk of damage due to unsuitable cleaning agent.

The following cleaning agents can damage chrome-plated surfaces and therefore may not be used:

- scouring agent
- abrasive sponges
- lime, plaster or cement dissolver
- solvents or other acidic cleaning agents

Use normal soap or a mild cleaning agent for regular care and prevention of lime scale on the rotatable rosette and valve cone. Do not use scouring agent or abrasive objects!

Use household cleaner to remove coarse soiling, also around the drain unit and the odour trap. Rinse the detergent thoroughly with clear water after the prescribed exposure time. There should be no residue on the components.

## 3.5 Disposal

Separate the product and packaging materials (e. g. paper, metal, plastic or non-ferrous metals) and dispose of in accordance with valid national legal requirements.



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