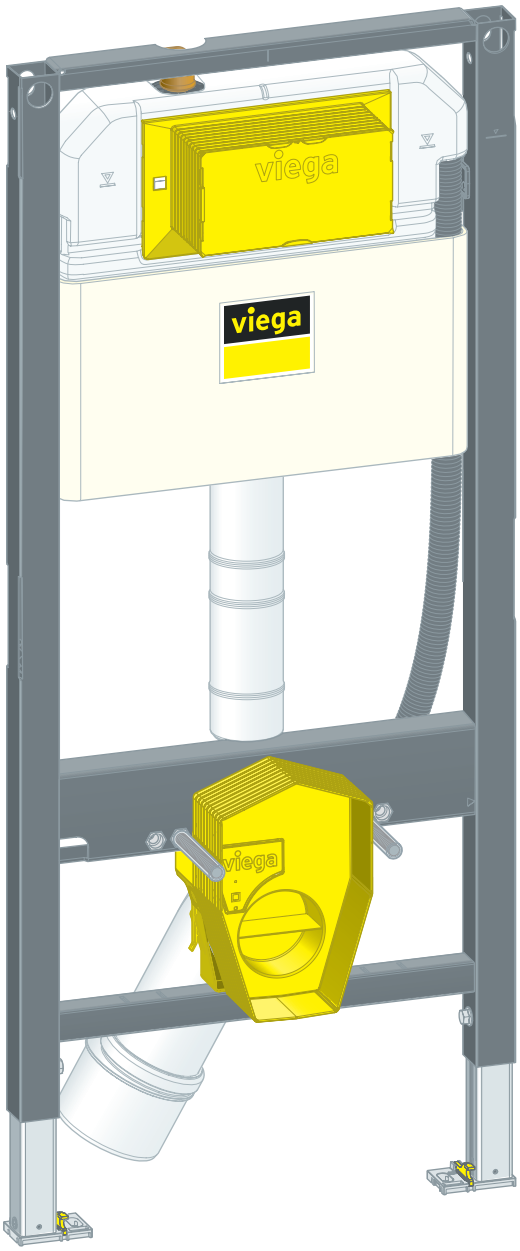
INT

Instructions for Use

Prevista Dry WC element with shower WC connection



for WC flush plates for Prevista

Model
8522.45

Year built (from)
03/2023

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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*.

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
- Drywall builders

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 Standards and regulations

The following standards and regulations apply to Germany / Europe and are provided as a support feature.

Regulations from section: Fields of application / Mounting conditions

Scope / Notice	Regulations applicable in Germany
Suitable masonry walls	EN 1996-1-1
Suitable concrete walls	DIN 1045
Suitable stud frames	DIN 18183

2.2 Safety advice

DANGER!
Danger due to electrical current
An electric shock can lead to burns and serious injury and even death.

- Work on the electrical system may only be carried out by trained electricians.
- When working in or on electronic systems, switch off the mains voltage and take steps to prevent accidental re-activation.

2.3 Intended use

2.3.1 Areas of application

The Prevista Dry element is suitable for mounting on masonry wall constructions and stud frames pursuant to the regulations in section *Chapter 2.1 'Standards and regulations' on page 5* and can be used in a Prevista Dry Plus pre-wall construction.

2.4 Product description

2.4.1 Overview

The WC element is equipped as follows:

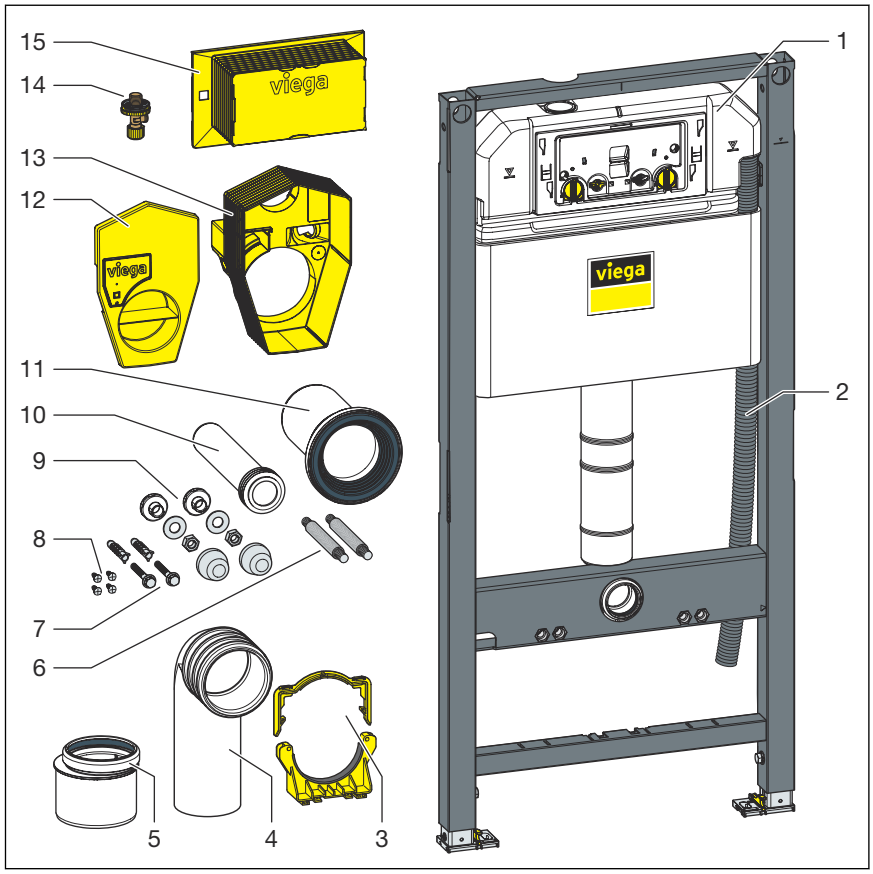


Fig. 1: Components

1 3H concealed cistern
2 Conduit pipe for shower WC connection
3 Mounting bracket set
4 Waste elbow
5 Reducer
6 Threaded rods for fixing sanitary objects (gauges for bore hole 180 or 230 mm)
7 Screws and dowels for fixing in the floor
8 Screws for fixing in stud frame
9 Mounting set for WC ceramic
10 Flushing pipe
11 WC connection socket with lip seal
12 Cover connection box
13 Connection box
14 Corner valve
15 Inspection shaft cover

2.4.2 Compatible components

The model is compatible with common WC ceramics, even with larger projection (barrier-free).

The model can be expanded with the following compatible components:

- Prevista Dry fixing element
- Prevista Dry fixing set model 8573

- Fixing set model 8180.73
- Odour extraction via Prevista flushing pipe elbow with ventilator connection 3H
- Prevista shower WC connection set model 8570.70
- Prevista Dry-support set for WC ceramics with small contact surface (<17 cm) Model 8570.37
- Accessory set electronic model 8655.11

➡ Mount the components in accordance with the respective instructions for use.

Fixing element

The fixing element is suitable for barrier-free installation. Support and grab rails can be mounted on the fastening element.

Odour extraction

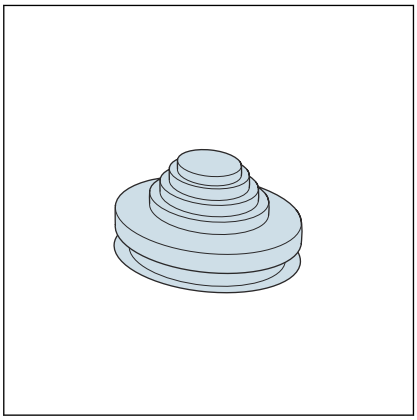
The odour extraction system is suitable for reducing odour nuisance in indoor bathrooms and highly frequented toilet facilities. The odour extraction system is connected to the ventilation system directly.

Connection shower WC

NOTICE!
To avoid product damage when connecting a shower WC, use the connection set model 8570.70.

An additional water and power connection is required to extend the WC element to the shower WC. The power supply must be provided on site.

Cable bushing



The cable bushing 8580.67 is required if only one cable (without empty conduit) is inserted or if the power supply of a shower WC is to be routed through the connection box.

2.4.3 Technical data

Flush volume

Small flush volume	Factory setting	Approx. 3 l
	Setting range	Approx. 2–4 l
Large flush volume	Factory setting	Approx. 6 l
	Setting range	Approx. 3.5–7.5 l

Flush volume

Small flush volume	Factory setting	Approx. 3 l
	Setting range	Approx. 2.5–3 l
Large flush volume	Factory setting	Approx. 4 l
	Setting range	Approx. 4–6 l

Water pressure

Water pressure min.	15 kPa (0.15 bar)
Water pressure max.	1000 kPa (10 bar)

3 Handling

3.1 Assembly information

3.1.1 Mounting conditions

Suitable walls

- Masonry walls
- Concrete walls
- Metal stud frames
- Prevista Dry Plus pre-wall constructions

The wall constructions must comply with the regulations in section *Chapter 2.1 'Standards and regulations' on page 5*.

The WC element may only be mounted on even wall surfaces.

Construction height

With the construction height, the marked height of the upper edge of the finished floor must be observed.

Installation depth

The installation depth is maximum 200 mm.

WC ceramic

Water connection

The WC element has an R ½ inch water connection.

NOTICE!
Always use the newly delivered hose set for the water connection. Do not use old hose sets.

Actuation versions

The model can be extended to include a remote flush actuation or a toilet flush actuation as well as sensitive flush plates.

Provide an appropriate power supply on site. The WC connection box provides the installation space required for the power pack of the electronic accessory set (model 8655.11).

3.1.2 Installation dimensions

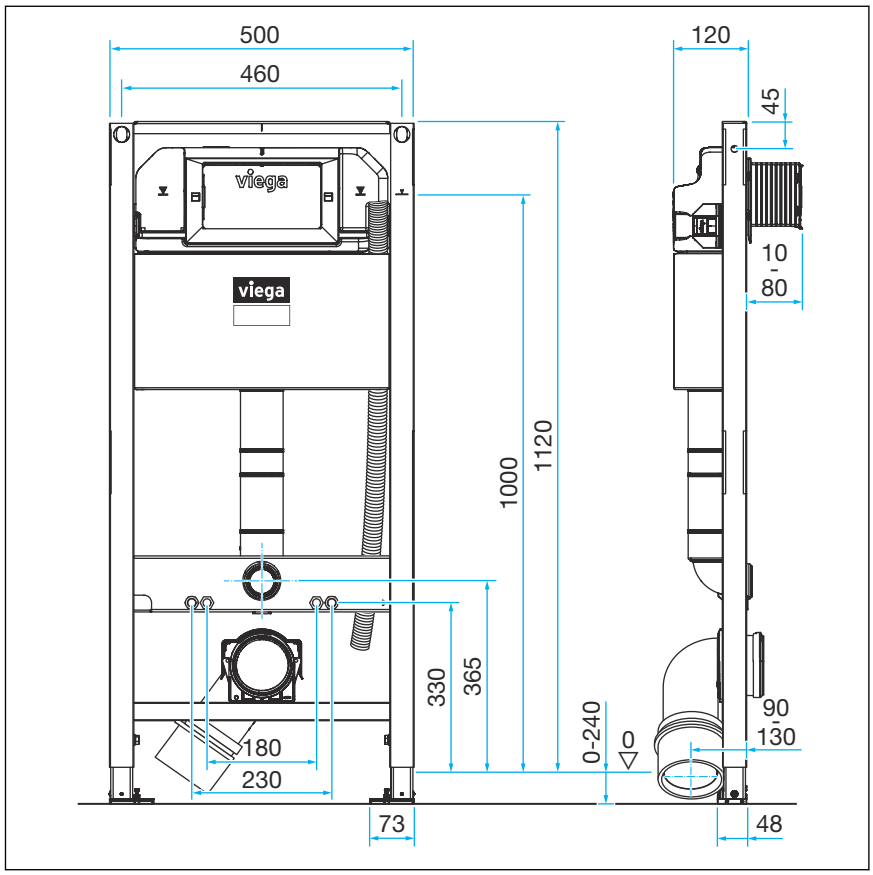


Fig. 2: Dimensional drawing

3.2 Assembly

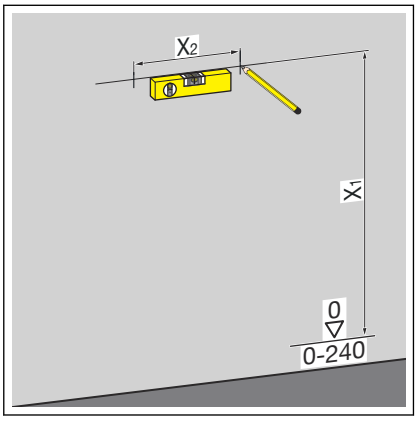
3.2.1 Mounting WC element

Masonry and concrete walls

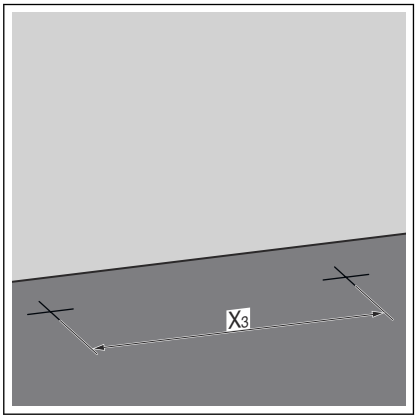
When mounting multiple WC elements with an interval of > 500 mm, Viega recommends the use of a Prevista Dry support bracket (model 8570.48). Observe the instructions for use of the support bracket when mounting.

Mounting to a masonry or concrete wall

For mounting, Viega recommends to use a Prevista Dry fixing set.

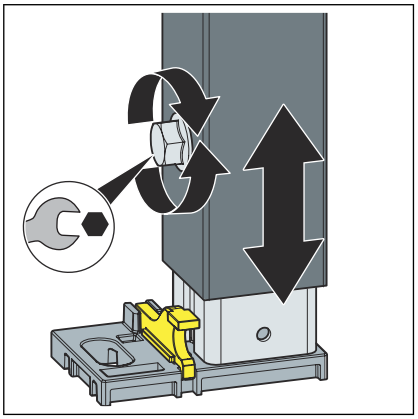


- Determine and mark the fixing points.
  - X1: 1100 mm
  - X2: Depending on the fixing set used

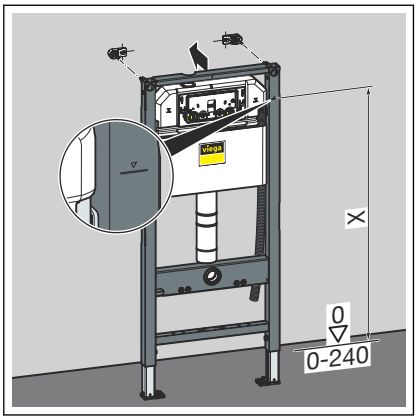


- Determine and mark the fixing points on the floor.
  - X3: 375 mm
- Drill the holes.
- Insert the dowels.

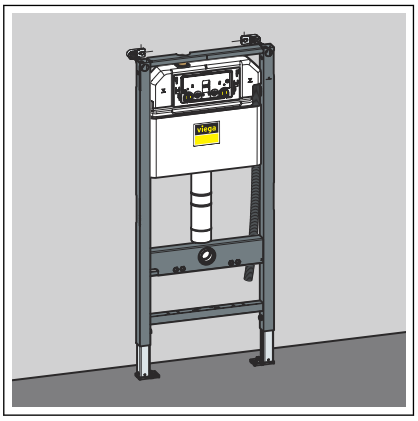
INFO! Mount the Prevista Dry fixing set pursuant to the instructions for use for the fixing set.



- Loosen the feet of the element using a fork spanner.

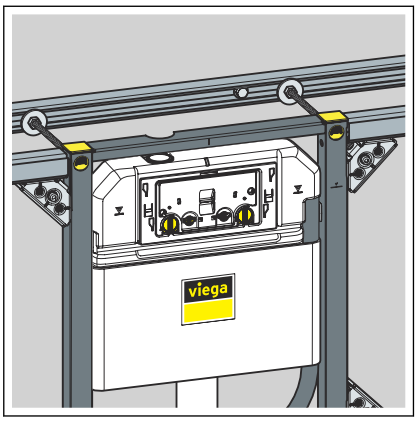


- Adjust the construction height of the element in accordance with the on-site marking of the upper edge of the finished floor.
  - X: 1000 mm
- Tighten the feet of the element using a fork spanner.

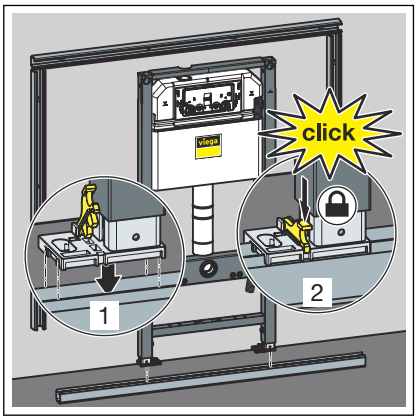


⇨ The element is attached to the wall.

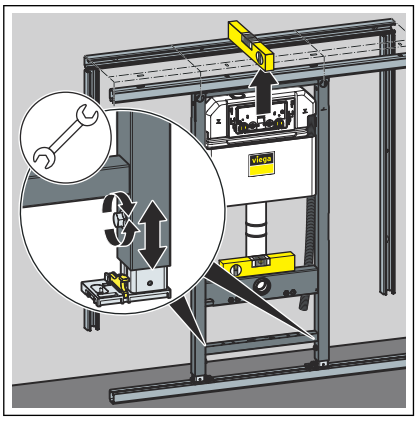
Mounting in Prevista Dry Plus



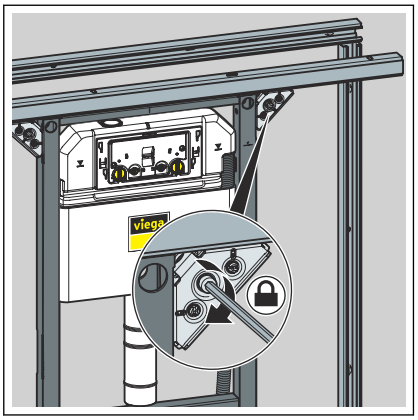
NOTICE!
When mounting without a continuous rail above the element, the Prevista Dry Plus fixing set (model 8570.49) must also be used. See example with WC element model 8521.



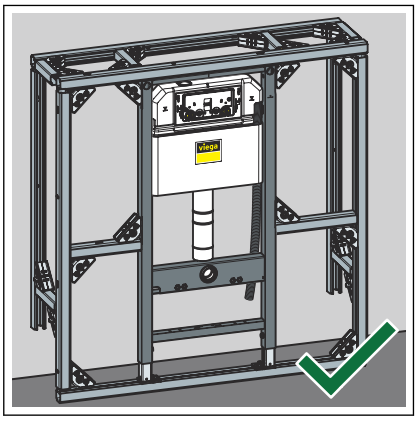
- Position the element on the floor rail.
- Fix the feet on the floor rail using the clips.



- Set the height of the element by means of the feet.

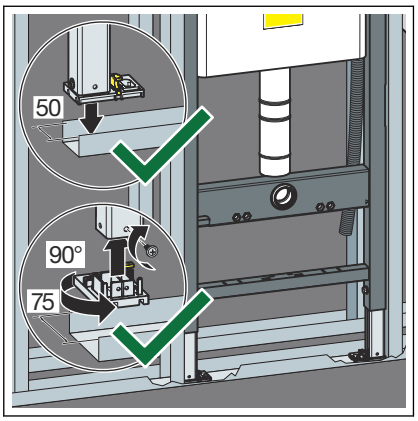


- Fix the element with the Prevista Dry Plus rail connectors.

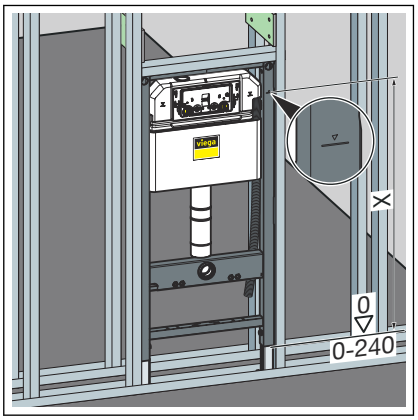


- The WC element is fixed in the Prevista Dry Plus pre-wall construction.

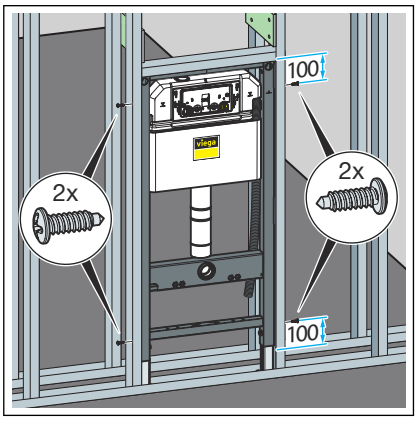
Mounting in steel stud frame



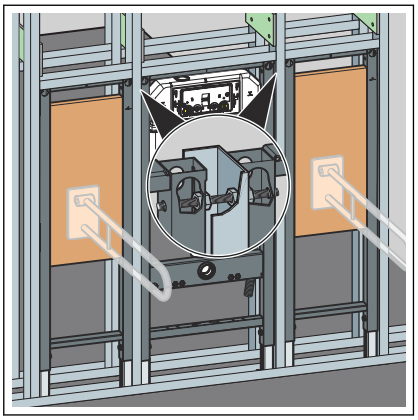
- Position the element on the floor rail.
- If necessary, adjust the foot depth from 50 mm (pre-mounted) to 75 mm.
- Loosen and pull out the foot plates.
- Turn the foot plates through 90°.
- Fix the feet.



- Adjust the construction height of the element in accordance with the on-site marking of the upper edge of the finished floor.
  - X: 1000 mm

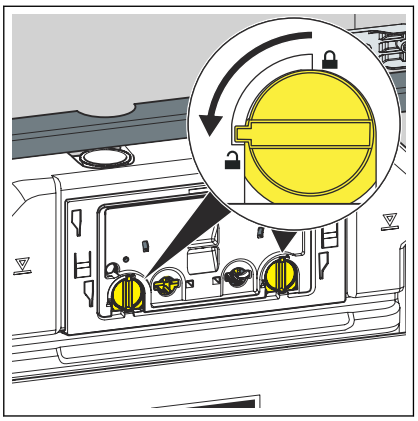


- Attach the element to the stud frame using the screws supplied.

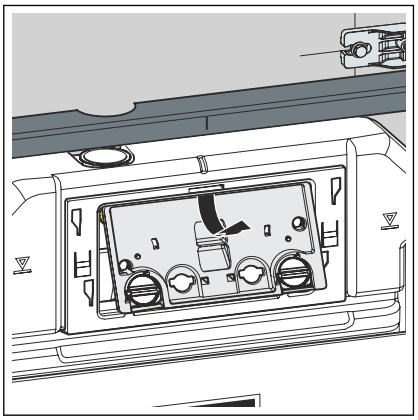


- If applicable, connect further elements to the element via the stud frame.

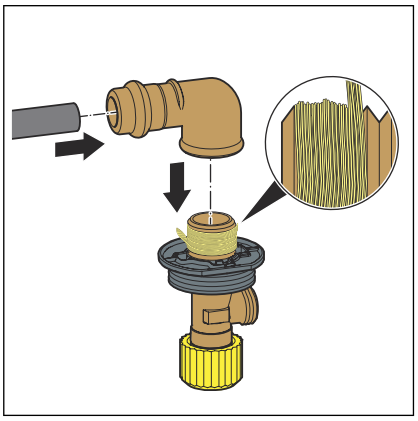
3.2.2 Connecting concealed cistern



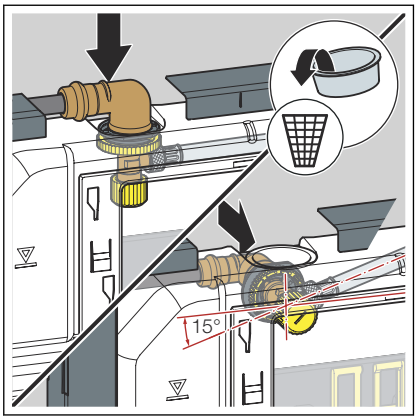
- Turn the site protection panel lock 90° anti-clockwise.



- Remove the site protection panel.

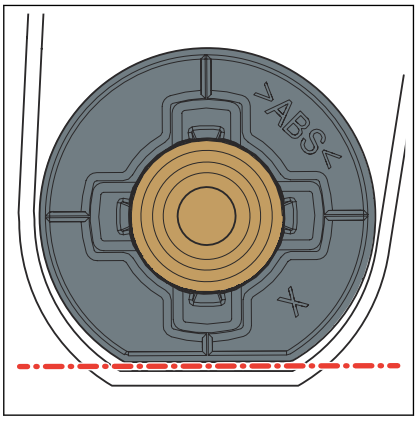


- Place the press connector onto the water inlet.
- Press the connection.
- Seal the threaded connectors of the corner valve.
- Screw the corner valve into the thread side of the press connector.

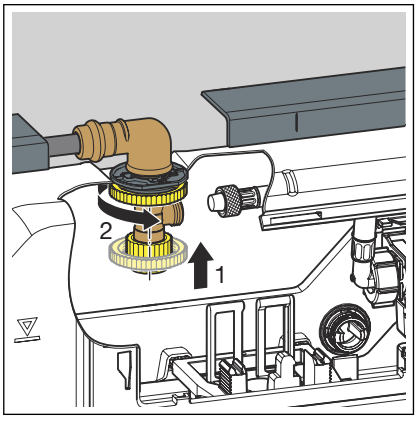


INFO! For the concealed cistern 3H, the corner valve can be attached from the top or rear.

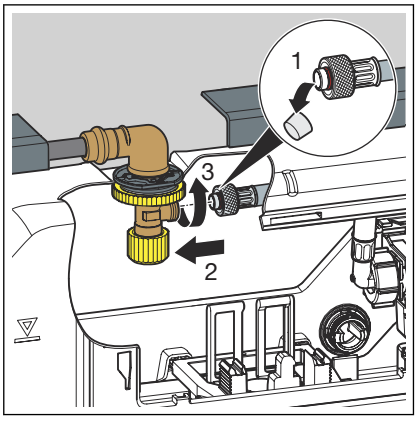
- Remove the plug.
- Insert the corner valve into the cistern.



INFO! Observe the proper fit of the corner valve.



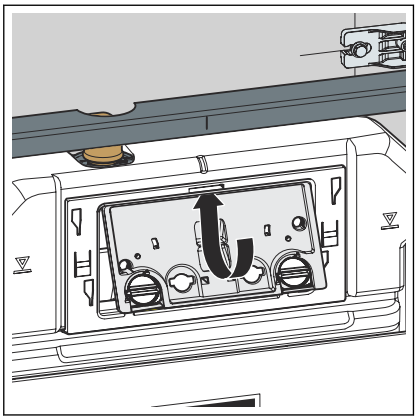
- Use the lock nut to screw the corner valve and the cistern to each other.



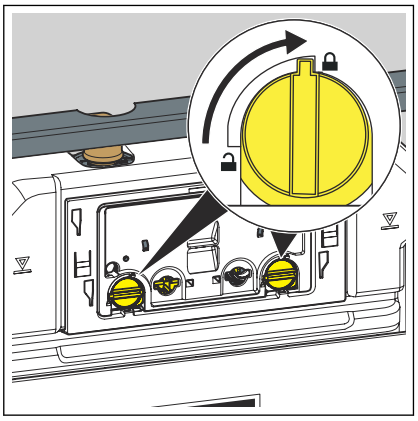
- Remove the protective cap from the flexible hose.
- Screw the flexible hose and the corner valve to each other (hand tight).

INFO! If a WC flush plate with electronic flush actuation is to be mounted, the small flush volume must be set to 2 litres.

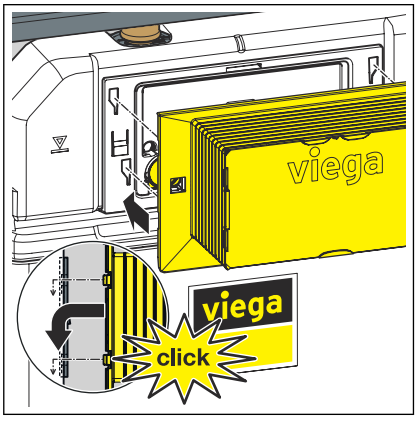
- Set the flush volume as applicable, ↬ ***Chapter 3.2.6 'Setting the flush volume' on page 26***.



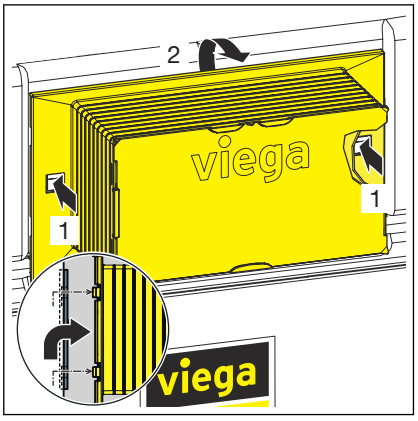
- Insert the site protection panel into the cistern.



- Turn the site protection panel's lock by 90° clockwise.

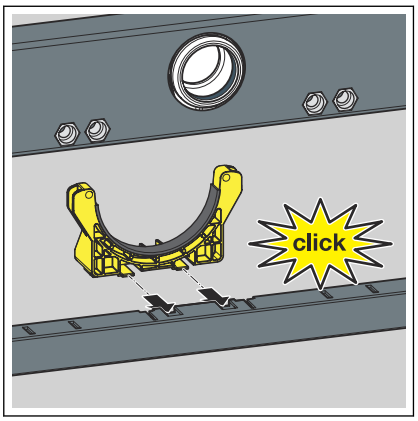


- Place the inspection shaft on the site protection panel.

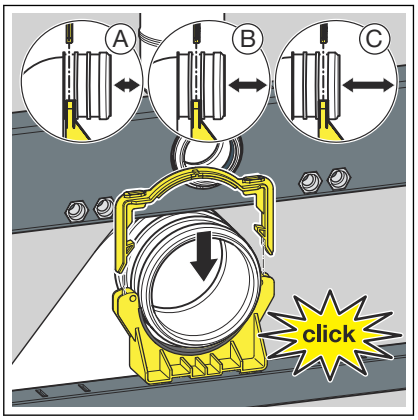


To remove the inspection shaft, press in the fixing clips at the side.

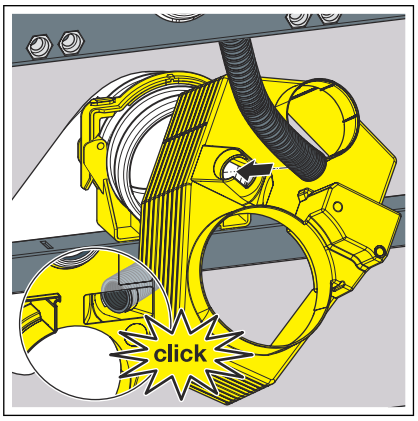
3.2.3 Mounting the drain elbow



- Insert the mounting bracket for the drain elbow.

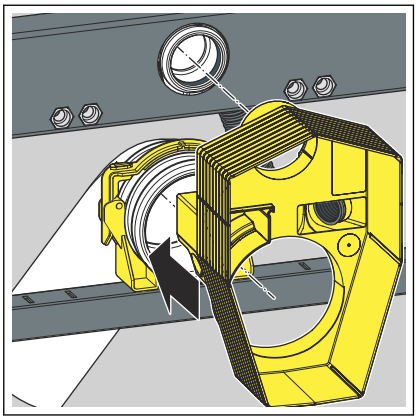


- Insert the drain elbow to the desired depth.
- Fasten the drain elbow using the bow.



INFO! For electronic connections, first cut out the recess on the left side of the connection box, see *‘Option 1’ on page 21*.

- Insert the empty conduit coming from the concealed cistern into the connection box until it clicks into place.



- Push on the WC connection box.

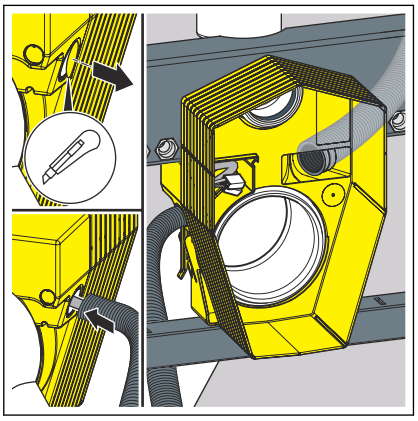
3.2.4 Establishing the power supply (optional)

DANGER!
Danger due to electrical current
An electric shock can lead to burns and serious injury and even death.

- Work on the electrical system may only be carried out by trained electricians.
- When working in or on electronic systems, switch off the mains voltage and take steps to prevent accidental re-activation.

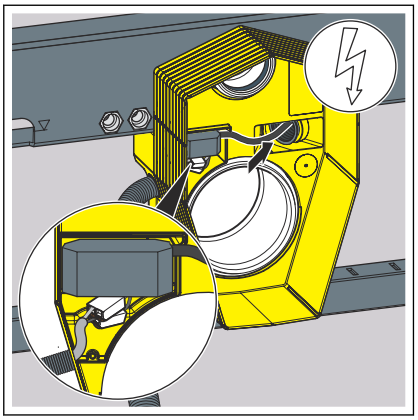
When using an electronic flush plate, carry out the following steps.

Option 1

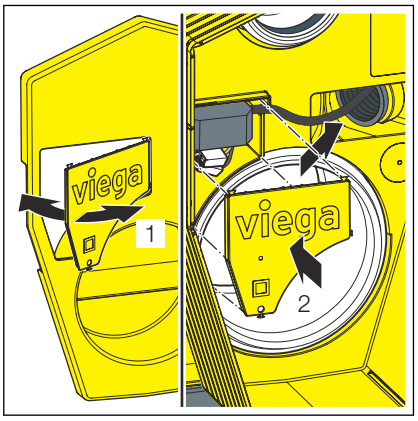


- Cut out the recess for the power supply.
- Insert an empty conduit (M20) into the connection box until it engages.
- Remove the outer sheath of the power supply (light plastic-sheathed cable NYM-J 3x1.5 mm^2) by approx. 5 cm.
- Route the power supply (light plastic-sheathed cable NYM-J 3x1.5 mm^2) through the empty conduit approx. 5 cm into the connection box.

INFO! Make sure that the terminals are below the power pack.

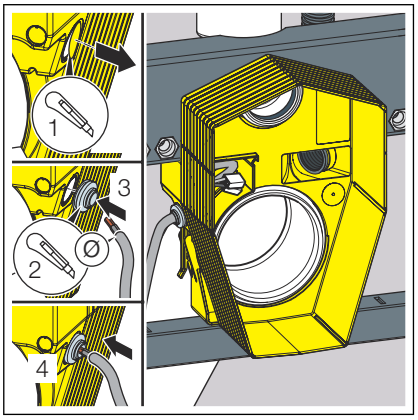


- Attach the power pack of the electronic accessory set (model 8655.11).
- Guide the power supply upwards through the empty conduit into the concealed cistern.



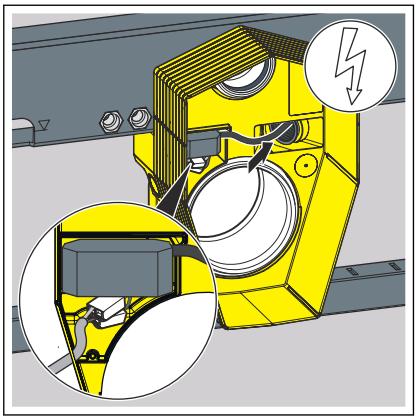
- Remove the covering in the cover.
- Close the power pack in the connection box with the covering.

Option 2

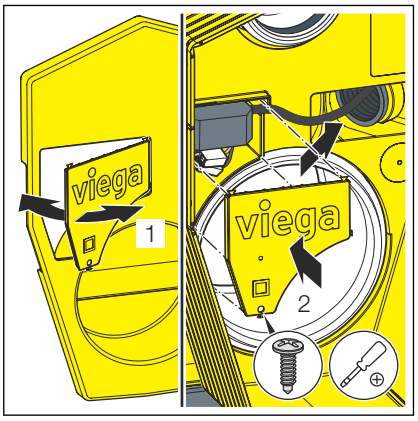


- Cut out the recess for the power supply.
- Insert the cable bushing (model 8580.67) into the recess.
- Remove the outer sheath of the power supply (light plastic-sheathed cable NYM-J 3x1.5 mm^2) by approx. 5 cm.
- Lead the power supply (light plastic-sheathed cable NYM-J 3x1.5 mm^2) approx. 5 cm into the connection box.

  INFO! Make sure that the terminals are below the power pack.

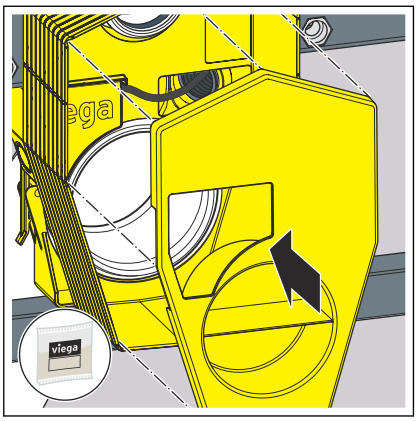


- Attach the power pack of the electronic accessory set (model 8655.11).
- Guide the power supply upwards through the empty conduit into the concealed cistern.

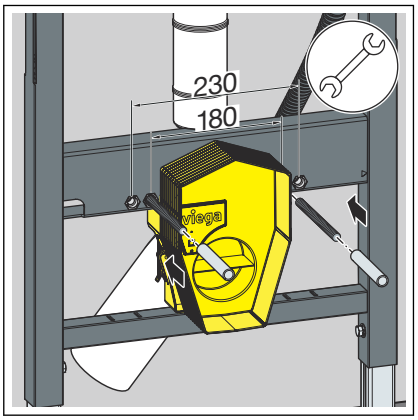


- Remove the covering in the cover.
- Close the power pack in the connection box with the covering.

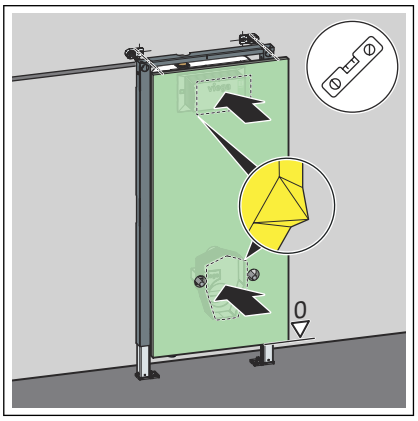
3.2.5 Set and clad the WC element



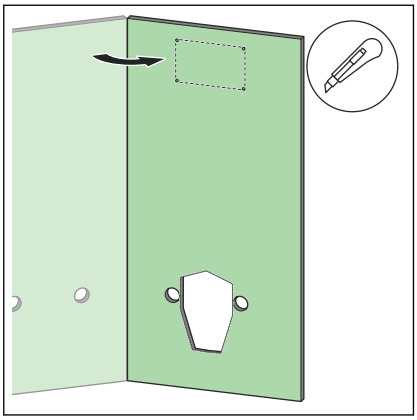
- Put the cover on the connection box.



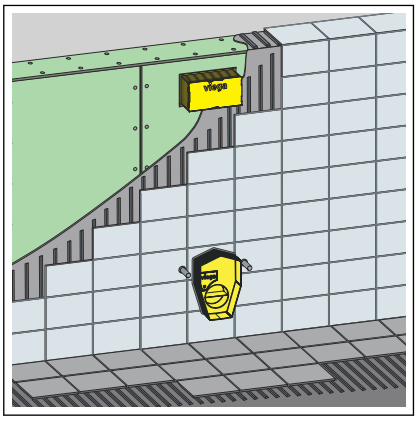
- Turn in the threaded rods by hand.
- Place the protective caps on the threaded rods.



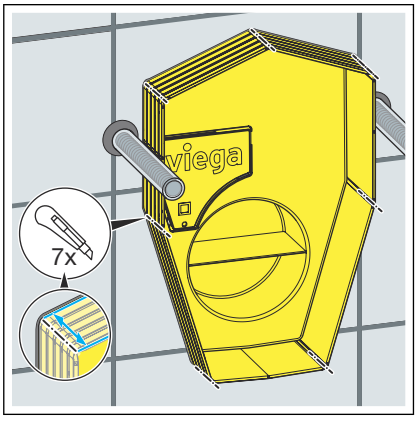
- Impress the plasterboard cladding panel at the inspection shaft and at the site protection by applying gentle pressure.



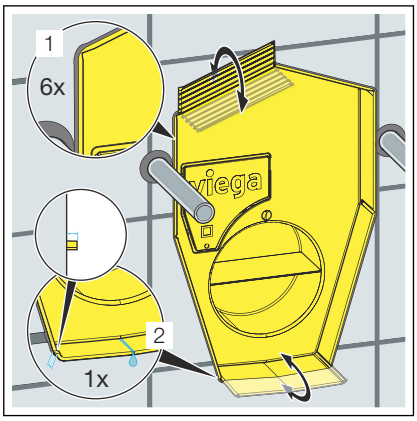
- Cut out the recesses for the site protection, the inspection shaft and the threaded rods.



- Clad the element with suitable plasterboard cladding panels.



- Cut the WC connection box at the corners.



INFO! The last slat protruding at the bottom of the WC connection box prevents leaking water getting in behind the wall.

- Shorten the WC connection box on the underside to the last slat in front of the tiling.

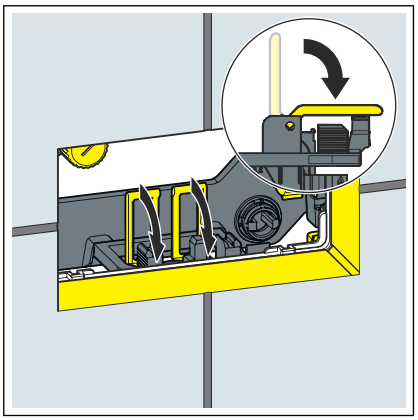
  Fold the other sides of the WC connection box outwards up to the tile level and snap them off.

3.2.6 Setting the flush volume

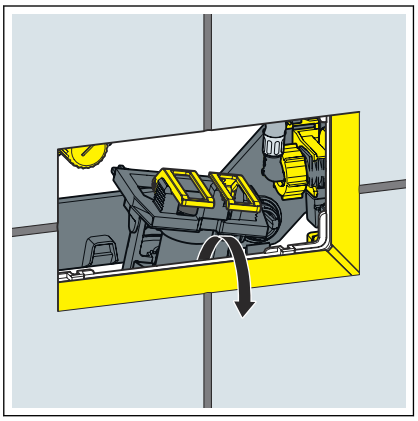
For an electronic flush actuation, the small flush volume must be set to 2 litres.

Requirements:

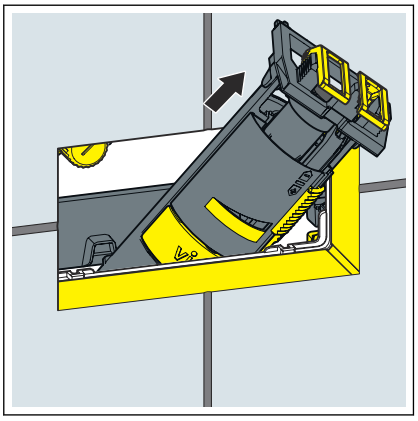
- The cistern is freely accessible.
- The water supply has been shut off.
- The ceramic has been mounted.



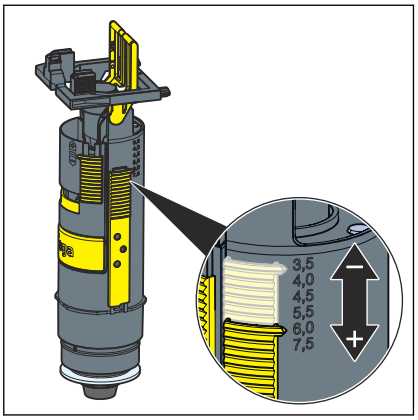
➡ Fold the tabs forward.



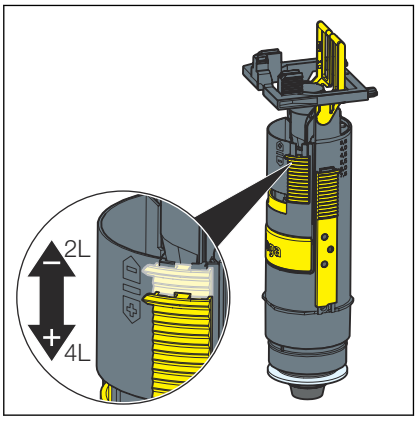
➡ Lift the drain valve.



➡ Remove the drain valve through the revision opening.



- Set the large flush volume at the drain valve.

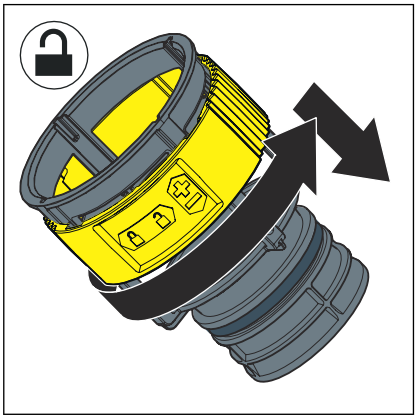


- Set the small flush volume at the drain valve.

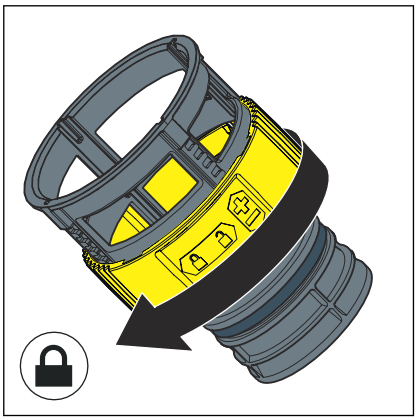
Setting the flush flow

Requirements:

- The drain valve has been dismounted.
- The flushing throttle has been removed.



- Unlock the flushing throttle.
- Set the flush flow at the throttle.



- Lock the flushing throttle.

3.3 Cleaning and maintenance

Cleaning and maintenance of the concealed cistern

The concealed cistern is constantly under mechanical, chemical, and physical stress. For this reason, the components must be cleaned as required, and the drain and filling valve seals renewed.

In areas or regions with hard water due to high concentration of calcium or magnesium salts, there is the risk of limescale deposits developing on the inlet and drain valves. The valves may have to be replaced, depending on the extent of the deposits.

3.4 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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