

Instructions for Use

Easytop extraction valve



for sample extraction of potable water (PWC/PWH/PWH-C) in
accordance with DWO

Model
2223.2

Year built (from)
07/2013

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.

1.1 Target groups

The information in this manual is directed at heating and sanitary professionals and trained personnel.

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: Application areas

Scope / Notice	Regulations applicable in Germany
Planning, execution, operation and maintenance of potable water installations	DIN EN 806, part 1
Planning, execution, operation and maintenance of potable water installations	DIN EN 806, part 2
Planning, execution, operation and maintenance of potable water installations	DIN EN 806, part 3
Planning, execution, operation and maintenance of potable water installations	DIN EN 806, part 4
Planning, execution, operation and maintenance of potable water installations	DIN EN 806, part 5
Planning, execution, operation and maintenance of potable water installations	DIN EN 1717
Planning, execution, operation and maintenance of potable water installations	DIN 1988
Planning, execution, operation and maintenance of potable water installations	VDI/DVGW 6023
Planning, execution, operation and maintenance of potable water installations	Trinkwasserverordnung (TrinkwV)
Planning, execution, operation and maintenance of potable water installations	DVGW-Arbeitsblatt W 551

Regulations from section: Media

Scope / Notice	Regulations applicable in Germany
Suitability for potable water	Trinkwasserverordnung (TrinkwV)

Regulations from section: Product description

Scope / Notice	Regulations applicable in Germany
Suitability for potable water installations	Trinkwasserverordnung (TrinkwV)
Suitability for potable water installations	DIN 50930-6
Requirements in plastic components in potable water installations	DVGW-Arbeitsblatt W270

Regulations from section: Overview

Scope / Notice	Regulations applicable in Germany
Inspection requirements	DVGW-Arbeitsblatt W 579 (P)
Use for regular sampling in public / commercial buildings	DVGW-Arbeitsblatt W 551
G-thread	DIN EN ISO 228-1

Regulations from section: Notes on mounting

Scope / Notice	Regulations applicable in Germany
Placement of the extraction valves	DVGW-Arbeitsblatt W 551

Regulations from section: Leakage test

Scope / Notice	Regulations applicable in Germany
Leakage test for potable water installations	DIN EN 806, part 4
Leakage test for potable water installations	ZVSHK-Merkblatt „Dichtheitsprüfungen von Trinkwasserinstallationen mit Druckluft, Inertgas oder Wasser“

Regulations from section: Maintenance

Scope / Notice	Regulations applicable in Germany
Operation and maintenance of potable water installations	DIN EN 806-5

2.2 Intended use



Agree the use of the model for areas of application and media other than those described with Viega.

2.2.1 Areas of application

Use is possible in the following areas among others:

- Potable water installations
- Industrial units

The general rules of engineering and the applicable regulations must be observed for planning, execution, operation and maintenance of potable water installations, see 'Regulations from section: Application areas' on page 5.

2.2.2 Media

The model is also suitable for the following media, amongst others:

- Potable water without limitations acc. to the applicable directives, see 'Regulations from section: Media' on page 6
- Maximum chloride concentration 250 mg/l pursuant to applicable regulations, see 'Regulations from section: Media' on page 6

2.3 Product description

According to the applicable regulations, Easytop system fittings can be used for all types of potable water and are DVGW certified, see 'Regulations from section: Product description' on page 6. Their plastic components comply with the KTW recommendation and the requirements pursuant to the applicable regulations.

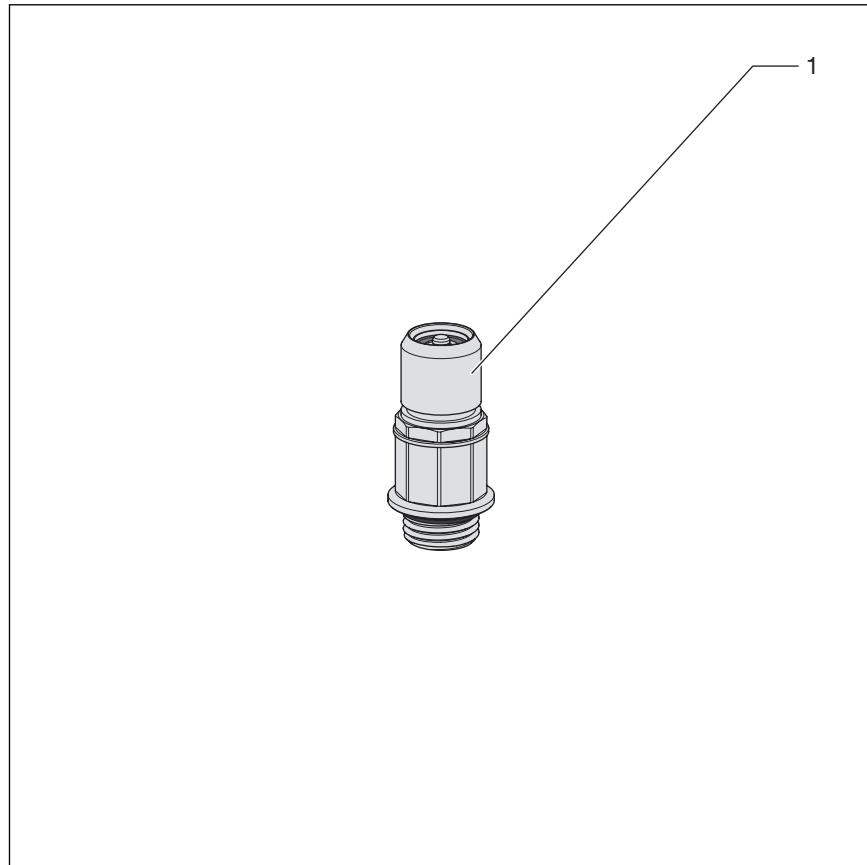
2.3.1 Overview



Combined with the Easytop actuating unit, the Easytop extraction valve complies with the test requirements specified in the applicable regulations and is suitable for regular sample extraction in public / commercial buildings, see [‘Regulations from section: Overview’ on page 6](#).



The Easytop system fittings comply with the test requirements specified in the applicable regulations, see [‘Regulations from section: Overview’ on page 6](#).
Sound protection $L_{ap} \leq 20$ dB(A)



1 - Extraction valve

The Easytop extraction valve remains permanently in the potable water installation.

The model is equipped as follows:

- Extraction valve made of steel, stainless
- Protective cap for the extraction valve
- G-thread pursuant to applicable regulations, see [‘Regulations from section: Overview’ on page 6](#)

The extraction valve is closed in its mounted condition.

The model is available in the following dimensions: G 1/4 / G 3/8.

2.3.2 Threaded connection

The extraction valves are self-sealing.

- G 1/4 with O-ring
- G 3/8 with Teflon® seal

2.3.3 Compatible components

We recommend to use the model with Easytop fittings.

The Easytop extraction valves are compatible with the actuating unit model 2223.3.

Please contact the Viega Service Center for questions on this subject.

2.3.4 Technical data

Observe the following operating conditions for the installation of the model:

Operating temperature [T _{max.}]	90 °C
Operating pressure [P _{max.}]	1.6 MPa (16 bar)

2.4 Information for use

2.4.1 Corrosion

Overground pipelines and fittings in rooms do not normally require external corrosion protection.

There are exceptions in the following cases:

- Contact with aggressive building materials such as nitrite or materials containing ammonium
- in aggressive surroundings



Easytop extraction valves made of stainless steel are suitable for all types of potable water.

The chloride concentration in the medium must not exceed a maximum value of 250 mg/l.

This chloride is not a disinfectant, but in fact pertains to the content in sea and table salt (sodium chloride).

3 Handling

3.1 Assembly information

3.1.1 Mounting instructions

The positioning of the extraction valve should take place in accordance with the recommendations of the applicable directives; existing testing or drainage openings on fittings can be used, see *Chapter 2.1 'Standards and regulations' on page 5*.

Checking system components



Do not remove the model from the packaging until immediately before use.

System components may, in some cases, become damaged through transportation and storage.

- Check all parts.
- Replace damaged components.
- Do not repair damaged components.
- Contaminated components may not be installed.

3.1.2 Required tools

The following tools are required for mounting the model:

- Allen key (size 5) for drain plug on the Easytop fittings
- Open-end spanner (size 15)

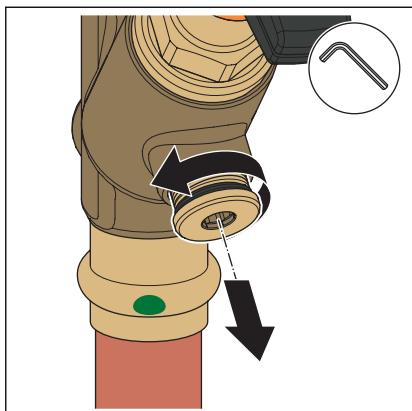
3.2 Assembly

3.2.1 Mounting the extraction valve

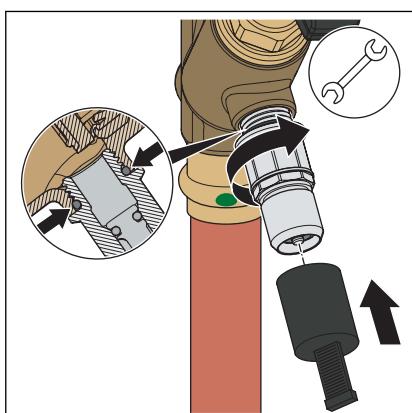


Carry out a leak test and a function test on completion of initial fitting.

Ensure that the system is depressurised before you mount the extraction valve.

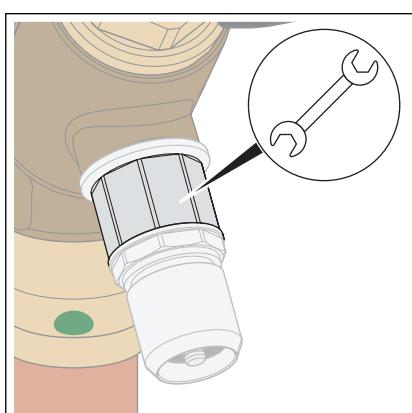


► Unscrew the drain plug with an Allen key (SW 5).



NOTICE! Screw the Teflon® seal of extraction valve G $\frac{3}{8}$ in as far as it will go.

- Screw the extraction valve in with a fork spanner (SW 15).
- Attach the protective cap.



When mounting, place the fork spanner in the rear area of the valve and not on the fixing surface for the actuation unit.

3.2.2 Leakage test

The installer must perform a leakage test before commissioning.

Carry out this test on a system that is finished but not covered yet.

Comply with the general rules of engineering and the applicable directives, see *‘Regulations from section: Leakage test’ on page 6*.

Document the result.

3.3 Control

3.3.1 Sample extraction



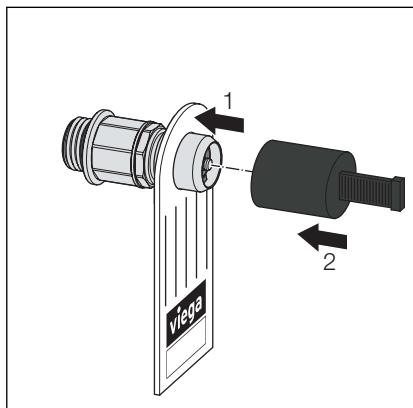
For further use, follow the instructions for use provided with the Easytop actuation unit 2223.3.

3.3.2 Mounting the signage



Sampling points must be labelled in such a way as to avoid confusion and in compliance with applicable guidelines, see [↳ Chapter 2.1 'Standards and regulations' on page 5](#).

The signage (writeable) can be mounted between the extraction valve and protective cap.



- ▶ Remove the protective cap from the extraction valve.
- ▶ Attach the signage.
- ▶ Re-attach the protective cap.

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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