

Instructions for Use

Advantix plug-in drain



for non-sealed floor construction

Model
4937

Year built (from)
01/2010

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 instruction manual is directed at the following groups of people:

- Heating and sanitary professionals and trained personnel
- 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 Standards and regulations

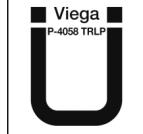
The following standards and regulations apply to Germany / Europe and are provided as a support feature.

Regulations from section: Media

Scope / Notice	Regulations applicable in Germany
Typical domestic wastewater	DIN 1986-3

2.2 Certification

Data acc. to DIN EN 1253, Table 7

Manufacturer	Viega Holding GmbH & Co.KG
Manufacturer identification mark	
Certificate of conformity	
Address	Viega Technology GmbH & Co.KG Viega Platz 1 57439 Attendorn Germany
Relevant standard	DIN EN 1253-1
Load class	K3
DN	100
Product class with respect to temperature behaviour	A

2.3 Intended use

2.3.1 Areas of use

The drain is suitable for pushing into HT, PVC or cast-iron pipes and sleeves with a nominal width of DN 100. It is intended for use in floor constructions without sealing – e.g. terraces whose slabs are laid directly onto the soil or cellars in which small amounts of wastewater occur at irregular intervals.

Technical information, see  *Chapter 2.4.2 „Technical data“ on page 7.*

2.3.2 Media

The drain is intended for draining of household-type wastewater in constant operation, see  *„Regulations from section: Media“ on page 5.*

- The short-term temperature of the wastewater may reach up to 95 °C. The temperature must be considerably lower in constant operation.
- The pH value must be higher than 4 but lower than 10.

It is not permitted to introduce wastewater which would damage the product material.

2.3.3 Drainage capacity

Drainage capacity at an accumulation height of 10 mm above the grate:
0.6 l/s

Drainage capacity at an accumulation height of 20 mm above the grate:
0.75 l/s

2.4 Product description

2.4.1 Overview

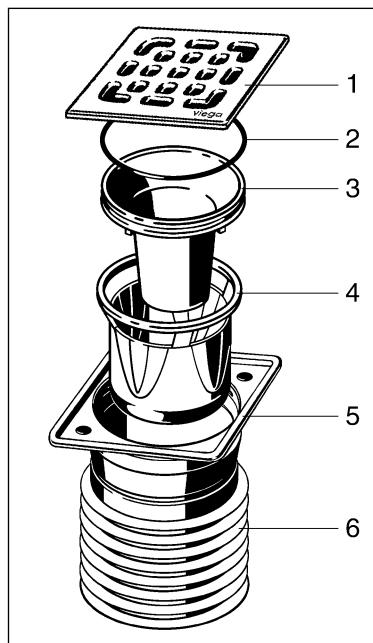


Fig. 1: Model 4937

- 1 stainless steel grate
- 2 O-ring
- 3 Immersion pipe
- 4 drain cup
- 5 stainless steel frame
- 6 drain casing with multiple lip seal

2.4.2 Technical data

Nominal width [DN] (drain socket)	100
Drainage capacity	 Chapter 2.3.3 „Drainage capacity“ on page 6
Dimensions and installation height	 Chapter 3.1.2 „Installation dimensions“ on page 9
Water seal level	50 mm
Load class	K = 300 kg

2.5 Information for use

2.5.1 Installation variations

The drain is placed into a pipe (nominal width DN 100). The drain itself is integrated into the floor at the height of the grate.

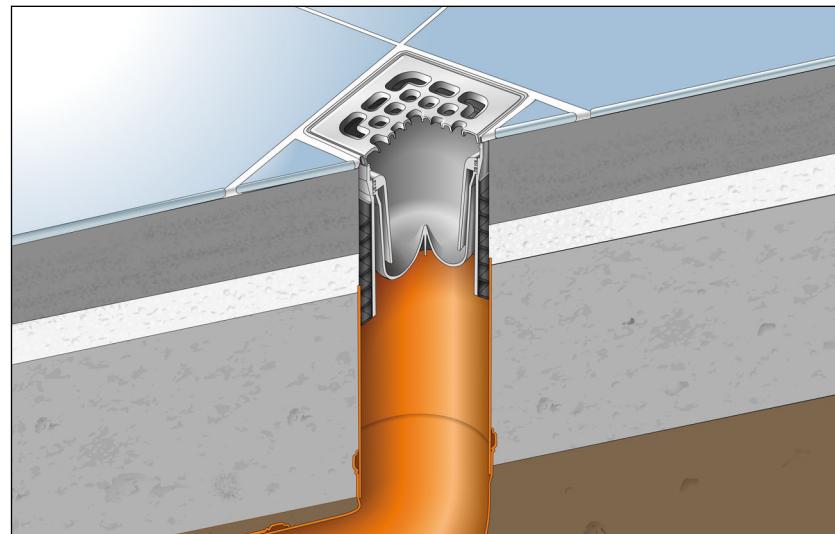


Fig. 2: Mounting example

3 Handling

3.1 Assembly information

3.1.1 Important note

Before assembly:

- Check if the drainage capacity of the drain is sufficient for the arising water volume *↳ Chapter 2.3.3 „Drainage capacity“ on page 6.*
- Check if the installation height of the drain corresponds with the planned floor construction.
- Ensure that the required connection line is installed with the necessary incline to the planned installation location.

During assembly:

- Observe installation dimensions.

3.1.2 Installation dimensions

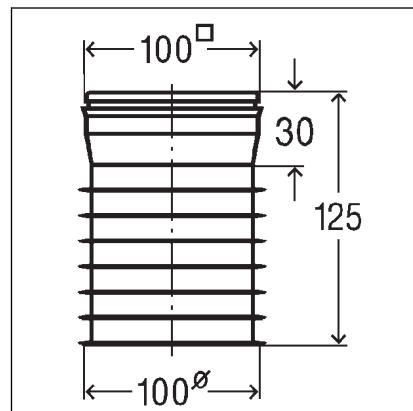


Fig. 3: Dimensional drawing

As at least 3 sealing lips must be inside the pipe, the following installation heights occur:

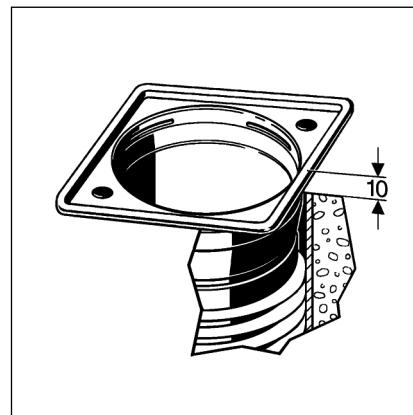


Fig. 4: Minimum installation height

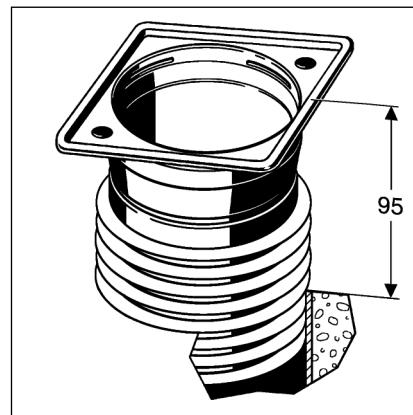
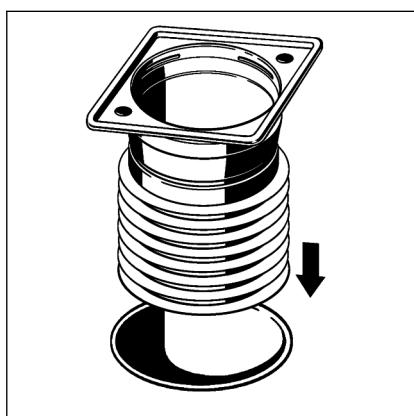


Fig. 5: Maximum installation height

3.2 Assembly

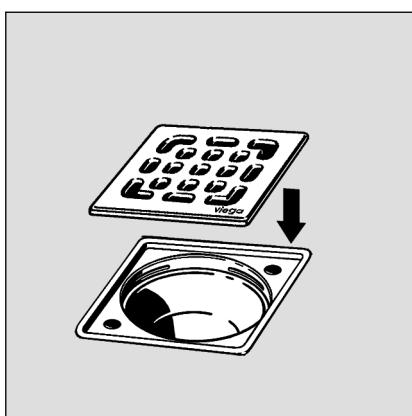
3.2.1 Connecting the drain

Mounting the drain

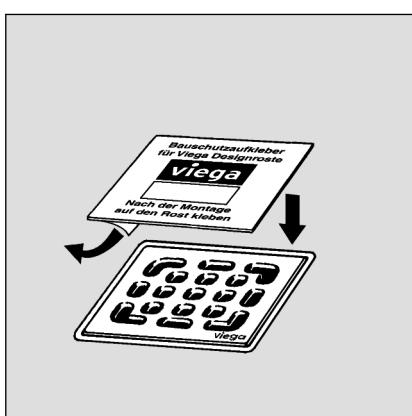


▶ Coat lip seal with lubricant and push the drain into the drainpipe. At least 3 sealing lips should seal the drain in the pipe.

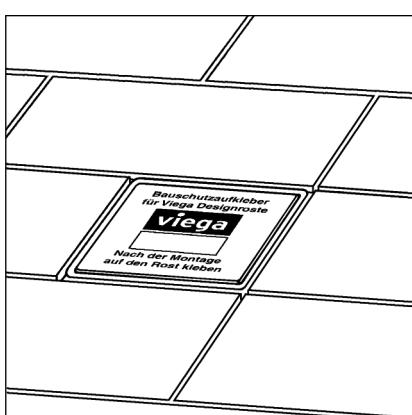
INFO! If the drain is used in a pipe with a coupling, the sealing lips cannot seal inside the coupling. Therefore, a pipe section must be inserted into the coupling beforehand.



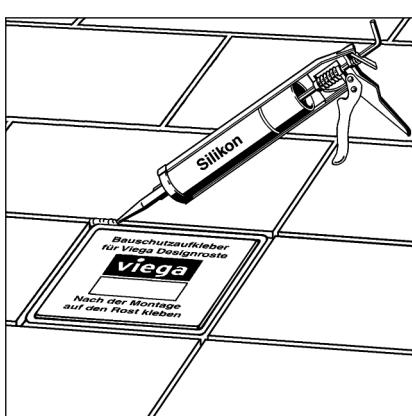
► Insert stainless steel grate.



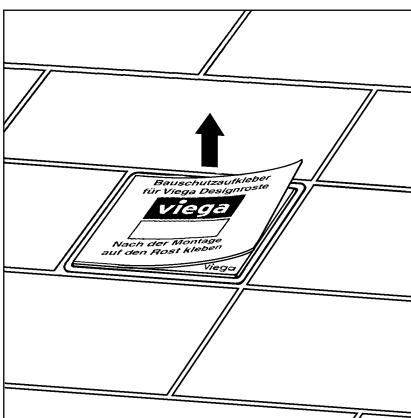
► Apply protective sticker.



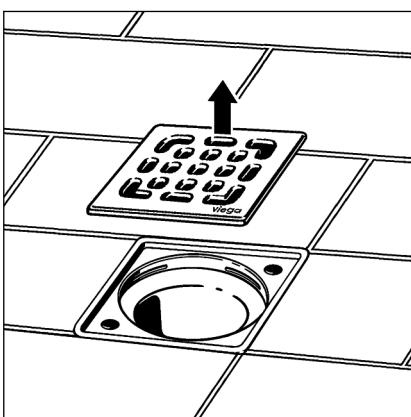
► Lay tiles.



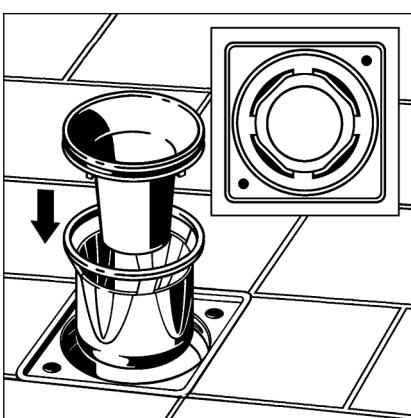
► Close the gap between grate and tiles with silicone.



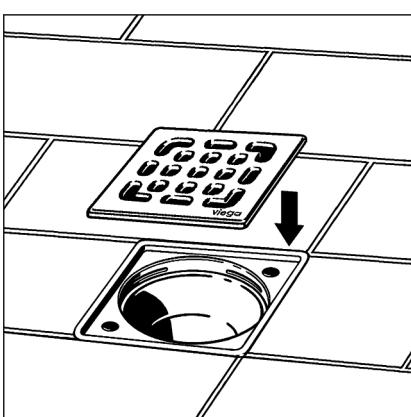
► Remove protective sticker.



► Remove stainless steel grate.



► Insert immersion pipe.



► Insert stainless steel grate.

3.3 Care

3.3.1 Care tips

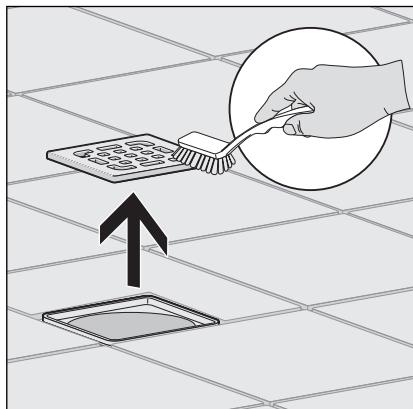
Normal soap or a mild cleaning agent can be used for regular maintenance and prevention of lime scale on the grate and frame. Use no scouring agent or abrasive objects.

Strong stains, even around the drain unit and the siphon, can be removed using typical household cleaner. Rinse the detergent very thoroughly with clear water after the prescribed dwell time. There should be no residue on the components.

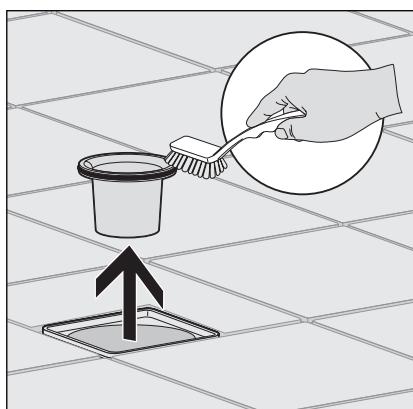
3.3.2 Cleaning the drain

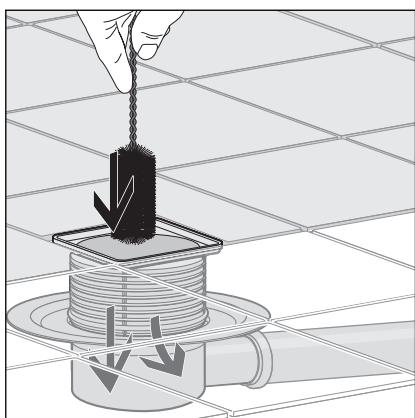
We recommend using a mild cleaning agent and a washing-up brush for cleaning.

- Remove and clean grate.



- Remove and clean immersion pipe.





- ▶ Clean drain.
- ▶ Replace immersion pipe.
- ▶ Re-insert grate.

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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