

Compact control station preset value

Instructions for Use



for Fonterra radiant heating and cooling, central regulation of the supply temperature of several manifolds

Model
1252.1

Year built:
from 01/2012

en_INT

viega

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1 About these instructions for use

Trade mark rights exist for this document, further information can be found at www.viega.com/legal-notice.

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
- Trained electricians
- Operators

It is not permitted for individuals without the abovementioned training or qualification to mount, install and, if required, service 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 against possible life-threatening injury.



WARNING!

This symbol warns against possible serious injury.



CAUTION!

This symbol warns against possible injury.



NOTICE!

This symbol warns against possible damage to property.



Notes give you additional helpful tips.

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 pertinent national laws, standards, regulations and guidelines, as well as other technical guidelines, have priority over German/European guidelines in this manual: The information is not binding for other countries and territories and should, as mentioned, be considered as support.

2 Product information

2.1 Intended use

2.1.1 Areas of use

Use the compact control station in heating systems where on the one hand their heat output takes place with a high supply temperature (e. g. radiators, heating ventilators or similar) and on the other hand through low-temperature heat surfaces (e. g. underfloor or wall heating).

The compact control station has a mixer valve for regulating fixed values without auxiliary energy.



NOTICE!

This manual as well as the documents supplied about the circulation pump and the 3-way regulating valve are part of the product and must be observed and kept.



NOTICE!

Alterations or changes not in compliance with the intended use are not permitted and will invalidate the warranty.

2.2 Product description

2.2.1 Overview

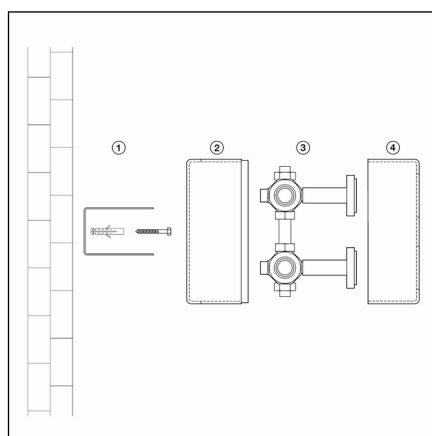


Fig. 1: Component overview, plan view

- 1 - wall bracket
- 2 - rear part insulating shell
- 3 - control station
- 4 - front part insulating shell

2.2.2 Technical data

Maximum permitted operating temperature	95 °C
Minimum permitted operating temperature	-20 °C ¹⁾
Maximum permitted operating pressure	1 MPa (10 bar)
Nominal heating capacity	15 kW

¹⁾ with anti-freeze added, max. 40 % per cent by volume.

With fluid temperatures below 20 °C, take potential condensation into consideration. Furthermore, use suitable cooling media if the temperature of the media drops below the water freezing point.

Materials

Fittings	Pressed brass Ms 58
Pipe runs	Precision pipes
Thermal insulation shell	EPP
Handles	Fibre-glass reinforced, temperature-resistant plastics
O-rings	EPDM elastomers
Flat seals	AFM 34 or EPDM elastomers
Valve seats	PTFE

3 Handling

3.1 Assembly information

3.1.1 Installation dimensions

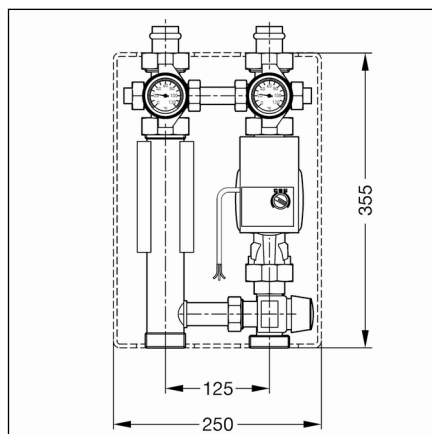


Fig. 2: Casing and connection dimensions

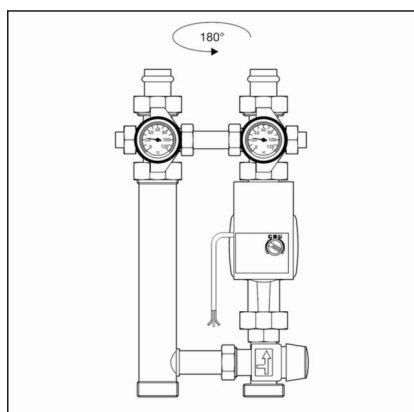
Height (with insulation)	approx. 344 mm (355 mm)
Width with insulation	approx. 250 mm
Axis distance	approx. 125 mm
Connections	G1½ x 28 ¹⁾

¹⁾ Sanpress enclosed

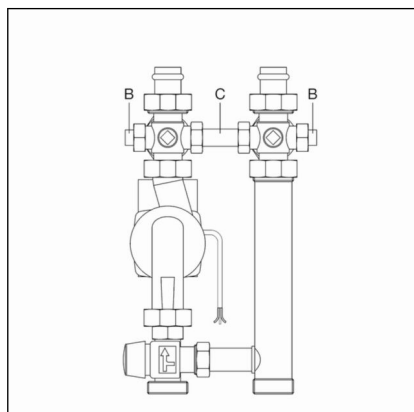
3.1.2 Change supply and return flow section

The compact control station factory-fitted with the supply on the right-hand side and the return flow on the left-hand side. If it is necessary for the installation situation, you can change the lines.

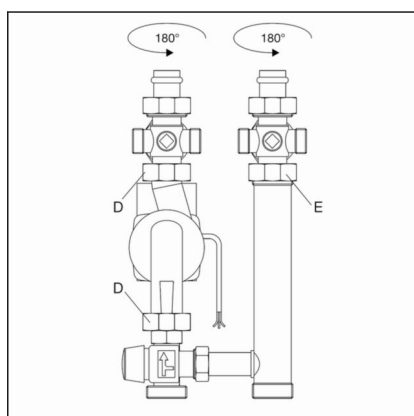
This is how you change the supply and return flow lines on the compact control station:



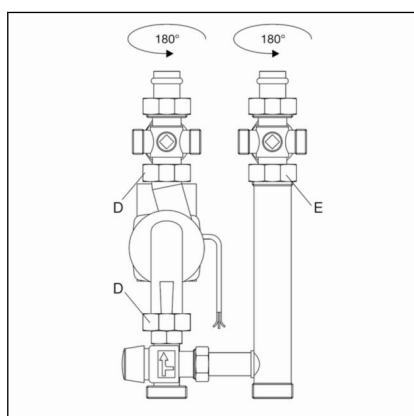
► Rotate the whole group by 180°.



► Remove the caps (B) as well as the connecting pipe (C).

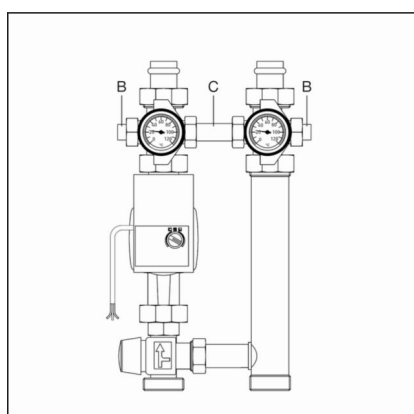


► Loosen the pump screw fitting (D) as well as the return flow ball valve screw fitting (E).



► Rotate the pump with supply ball valve and return flow ball valve by 180°.

Re-tighten screw fittings (D) and (E).



► Re-mount the cap (B) as well as the connecting pipe (C).

- Open the adjustment wheel of the 3-way valve as far as it will go anti-clockwise.
- Using a screwdriver, remove the adjustment wheel gently and place it in a new position, so that the number 6 points towards the triangular marking
- Set the valve to the desired position.
- Check the supply temperature with a thermometer.
- Change the EPP bracket of the return flow pipe from left to right.


NOTICE!

If the compact control station is rotated by 180°, you must place the opening for the mixer (approx. 53 mm) on the left-hand side. In addition, remove the inserted insulating shell for the return flow pipe from the left-hand side out of the insulating box and re-insert it on the right-hand side.


NOTICE!

In the case of the compact control station model 1252.1 our settings are valid as opposed to the manufacturer's information. Manufacturer's documentation should be observed regarding maintenance and repairing faults.

3.2 Assembly

3.2.1 Wall mounting

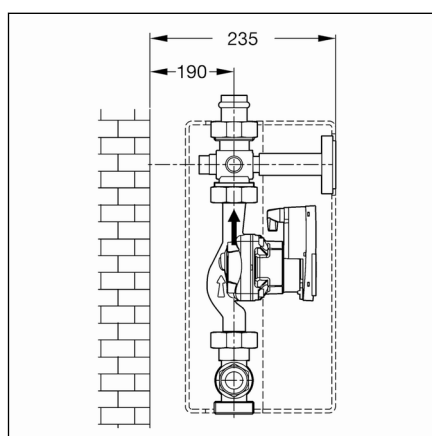


Fig. 3: Specified spaces for wall mounting

How to mount the compact control station to the wall:

- Use the wall bracket to perforate the pre-formed slits in the rear part of the heat insulation from the front.
 - Place the wall bracket to the wall (opening pointing up) and fasten it with dowel and screws.
 - Clip in the rear part of the heat insulation. Insert the hexagonal profile of the ball valves in the hexagonal profile of the wall bracket.
 - Connect to the boiler / heating circuit.
 - Have an authorized technician connect the pump.
 - Fill the system and perform a leakage test. Ensure that all the air is flushed out of the system.
- If required, ventilate the pump separately.
- Set the 3-way valve to the desired supply temperature. Use the thermometer to check the supply temperature.
 - Pull the rear part of the heat insulation towards the station and clip in the front part of the heat insulation.

3.3 Control

3.3.1 Setting the underfloor supply temperature

If maximum power (nominal power) is required, set the boiler supply temperature at least 15 °C higher than the desired supply temperature in the underfloor circuit.

The setting handwheel of the mixer valve has a scale of 1 to 6 and allows for continuous setting of a supply temperature between 15 and 55 °C. Refer to the table below for the respective target temperature:

Scale value	1	2	3	4	5	6
Target temperature in °C	15	27	32	37	48	55



The recommended setting range for underfloor heating is level 3–6 (32–55 °C).

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.