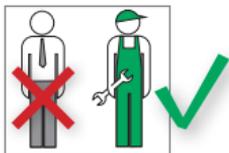


# VK 31 SIROCON Base Board Connection Kit



Work on heating and domestic water systems must only be done by qualified professional personnel and in accordance with the respective applicable regulations, guidelines and rules of engineering.



## Refer in particular to:

**DIN 18 380:** Heating systems and central hot water heating systems

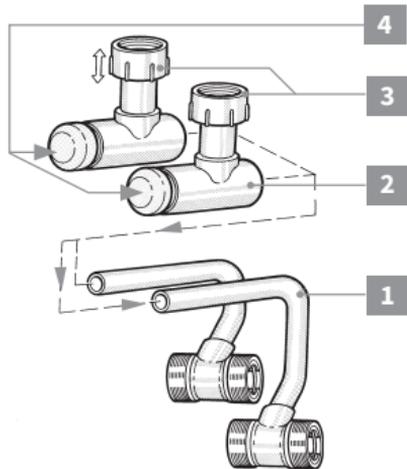
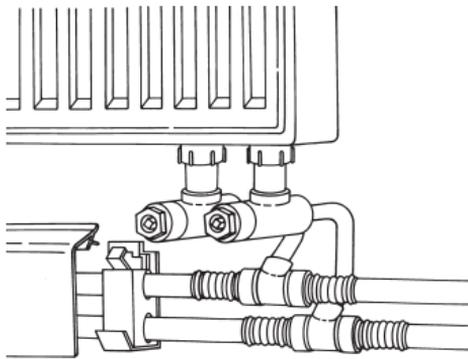
**VDI 2035:** Scale formation in water heating systems

**BGV:** German Professional Association Regulations (accident prevention regulations)

*(DIN = The German Institute for Standardisation*

*VDI = Association of German Engineers)*





## Assembling the Connection Kit

**Important! Absolute adherence to the assembly sequence!**

- When installing the VK 31 SIROCON Base Board Connection Kit **always assemble the return flow first** according to the following steps. Only commence work on the supply flow once the return flow has been assembled.
- 1** After assembling the radiator, cut to appropriate length and de-burr the connection pipes of the telescopic angle valve.
- 2** Push the telescopic angle valve onto the connection pipe of the radiator.
- 3** Screw the union nut onto the radiator and tighten it with a spanner wrench 30 mm (use connection nipples for radiators with 1/2" female thread or cone inserts for radiators with 3/4" male thread).
- 4** Remove the protective cap and tighten the compression adapter, integrated in the telescopic angle valve, at the front by utilising a spanner wrench 13 mm.

### **Important!**

Only utilise the valve spindle with Allen key 4 mm for shutting-off the radiator after completion of the installation work.

An incorrect sequence will cause irreparable damage to the spindle and malfunction!

- Measure the pipes used for the installation, cut it at right angles and deburr it on the inside and outside. Work as precisely as possible here, as the pipe length affects the ease of installation and the axial distance between the connection kit supply flow and return flow connection on the radiator side.
- Remove the valve from the radiator again.
- With several radiators on one wall, always assemble the complete connection of the return flow firstly.
- Then fit the supply flow (in the same way as the return flow).

## **Shutting-off the Radiator**

- Remove the protective cap and shut-off the telescopic angle valve at the front by utilising an Allen Key 4 mm in a clockwise direction.

### **Important:**

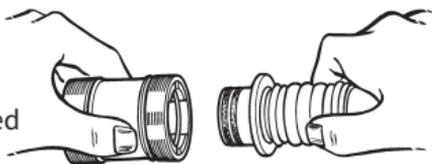
**Shut-off the valve spindle (wrench size 4 mm) only after fully tightening (clockwise) the integrated compression adapter (wrench size 13 mm).**

## Assembling the SIROCON Adapter

### ■ Coupling together

Remove the protective cap from the connection adapter and insert the adapter manually with assembled pipe into the plug-in fitting until it comes to the end-stop.

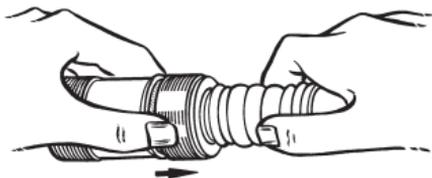
Ensure a dirt-free assembly process.



### ■ Locking

Push the sliding ring until it comes to the end-stop in the direction of the pipe. The red locking ring must be completely visible and rotatable around the axis of the pipe.

This ensures that the sliding ring is secured in the locking position against any inadvertent actuation.



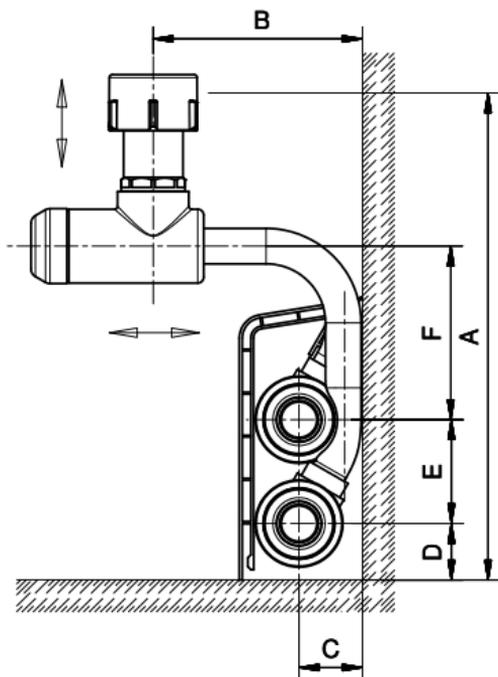
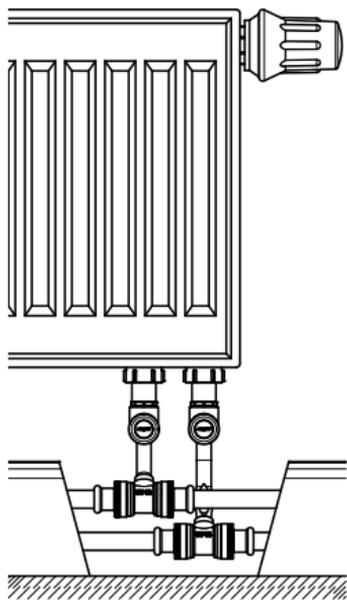
## Dismantling the SIROCON Adapter

### ■ Push the dismantling clip onto the sliding ring.

This therefore squeezes the red safety ring radially and pushes the sliding ring towards the fitting.



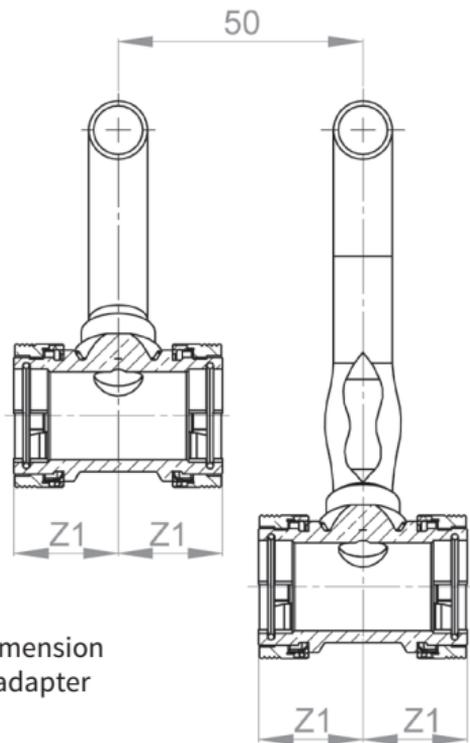
## Dimensional Drawings



For radiator with integrated valve with	A*		B*		C	D	E	F
	min.	max.	min.	max.				
Rp 1/2	175	200	50	175	21.5	19	35	59
G 3/4 male	164	189	50	175				

\* up to radiator connection (data in mm)

## Installation Length (Z-dimension)



$Z1 = 14.4 \text{ mm}$

The respective connection dimension  
(Z-dimension) of the system adapter  
used must be observed!

The illustrations are symbolic and may differ from the respective product.  
Errors and technical changes reserved.

01/2017