




# VIESMANN 5609 905 Solar Flow and Return Line Connection Line Instruction Manual

[Home](#) » [VIESMANN](#) » VIESMANN 5609 905 Solar Flow and Return Line Connection Line Instruction Manual 

## Contents

- 1 VIESMANN 5609 905 Solar Flow and Return Line Connection Line
- 2 Installation Instructions
- 3 FAQ
- 4 Safety instructions
- 5 Installation information
- 6 Solar flow and return line
- 7 Installation and connecting kit for connection line
- 8 Documents / Resources
  - 8.1 References



**VIESMANN 5609 905 Solar Flow and Return Line Connection Line**



### **Specifications:**

- Product: VIESMANN Solar Flow and Return Line Connection Line Installation Kit
- Model: 5609 905 GB
- Year: 1/2008

### **Product Information:**

The VIESMANN Solar Flow and Return Line Connection Line Installation Kit is designed to ensure proper installation of solar flow and return lines for efficient heating system operation. It includes necessary components such as O-rings, support rings, pipe sleeves, and profiled clips for secure connections.

### **Installation Instructions**

#### **Safety Instructions:**

It is crucial to follow these safety instructions to prevent accidents and material losses:

- Installation, initial start-up, inspection, maintenance, and repairs should only be done by a competent person (heating engineer/installation contractor).
- When using gas as fuel, close the main gas shut-off valve and prevent unauthorized reopening.
- Isolate the power supply before working on the equipment/heating system and prevent unauthorized reconnection.
- Use only original spare parts approved by Viessmann for replacements.

#### **Solar Flow and Return Line Installation:**

1. Determine the required line lengths and cut open the thermal insulation.
2. Fit O-rings and support rings in designated valleys, lubricate with special grease.

3. Secure pipe sleeve with locking ring fitting over the pipe.
4. Attach profiled clips onto flared pipe sleeve coupling and pipe valley.
5. Connect to the collector or DHW cylinder via a locking ring fitting.
6. Thermally insulate joints and secure with supplied HT tape.

#### **Installation and Connecting Kit for Connection Line:**

1. Determine required line lengths and cut open thermal insulation.
2. Fit O-rings and support rings, lubricated with special grease.
3. Invert pipe sleeve over the pipe without pushing out the support ring.
4. Secure profiled clips onto flared pipe sleeve coupling and pipe valley.
5. Connect to the collector or DHW cylinder via a locking ring fitting.

#### **FAQ**

- **Q: Can I install the VIESMANN Solar Flow and Return Line Connection Line Installation Kit myself?**
  - A: Installation, initial start-up, inspection, maintenance, and repairs should only be carried out by a competent person such as a heating engineer or installation contractor to ensure safety and proper operation of the heating system.
- **Q: What should I do if I need to replace components?**
  - A: When replacing components, use only original spare parts supplied or approved by Viessmann to maintain the safe operation of your heating system.

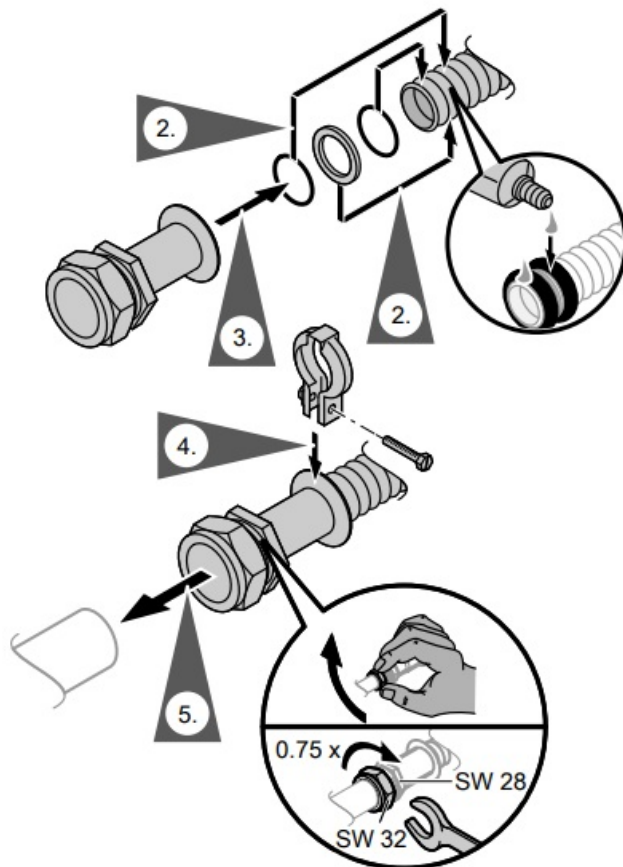
#### **Safety instructions**

- Please follow these safety instructions closely to prevent accidents and material losses.
- Installation, initial start-up, inspection, maintenance and repairs must only be carried out by a competent person (heating engineer/installation contractor).
- Before working on the equipment/heating system, isolate the power supply (e.g. by removing a separate mains fuse or by means of a mains isolator) and safeguard against unauthorised reconnection.
- When using gas as fuel, also close the main gas shut-off valve and safeguard against unauthorised reopening.
- Repairing components that fulfil a safety function can compromise the safe operation of your heating system.
- For replacements, use only original spare parts supplied or approved by Viessmann.

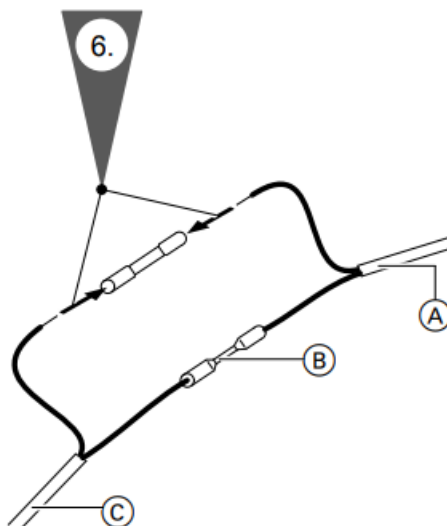
#### **Installation information**

- Never kink lines; install them free of stress and with a bending radius of at least 40 mm.
- Extend sensor lead (for solar flow and return lines) with crimps.
- Installation of the locking ring fittings:
  - All pipes must be cut at right angles and deburred.
  - Push the union nut and the locking ring onto the pipe and lightly lubricate the threads with oil.
  - Push the pipe into the locking ring fitting as far as it will go.
  - Initially turn the union nut by hand, then tighten with an open-ended spanner by a further  $\frac{3}{4}$  turn.
  - Never fit annealed copper pipes onto the locking ring fittings

## Solar flow and return line



1. Determine the required line lengths. Cut open the thermal insulation and push it back. Apply pipe trimmer in the valley and cut carefully whilst slowly closing in the cutting wheel. Deburr.
2. Fit O-rings in the first and third valley and a support ring in the valley in between. Lubricate O-rings and support ring with special grease. Never damage or twist O-rings.
3. Invert the pipe sleeve with locking ring fitting as far as it will go over the pipe; the support ring must not be pushed out of the valley.
4. Secure the profiled clips onto the flared pipe sleeve coupling and the pipe valley.
5. Make the connection to the collector or DHW cylinder via the locking ring fitting.
- 6.

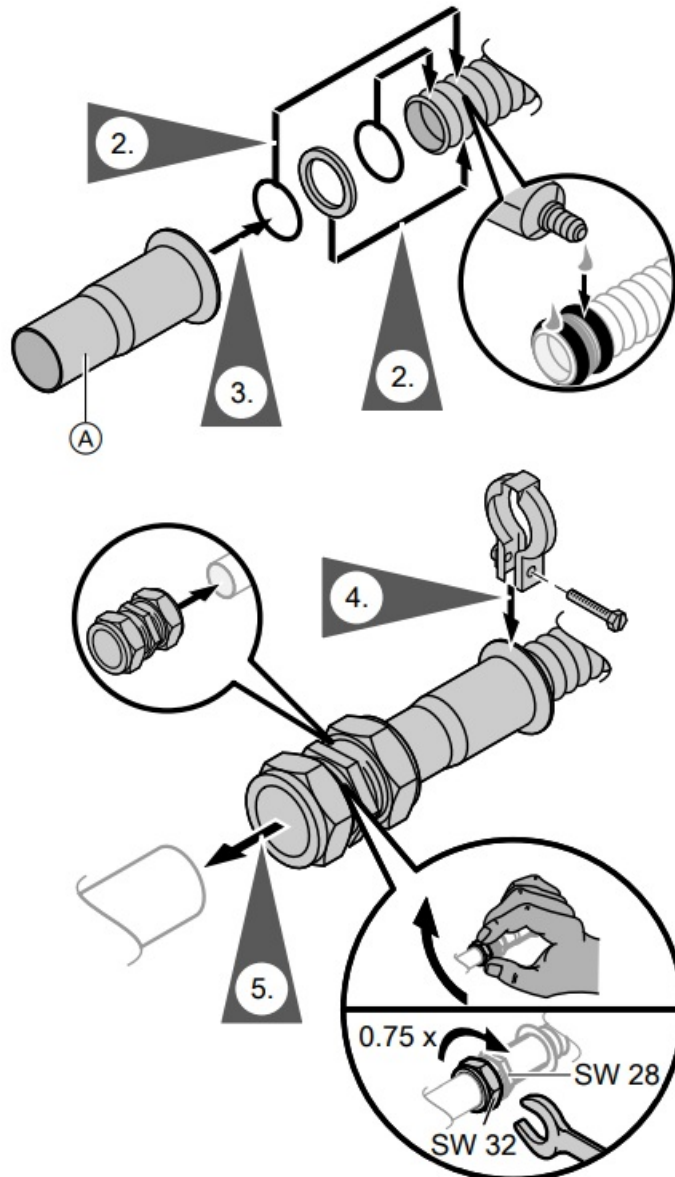


- A Sensor lead

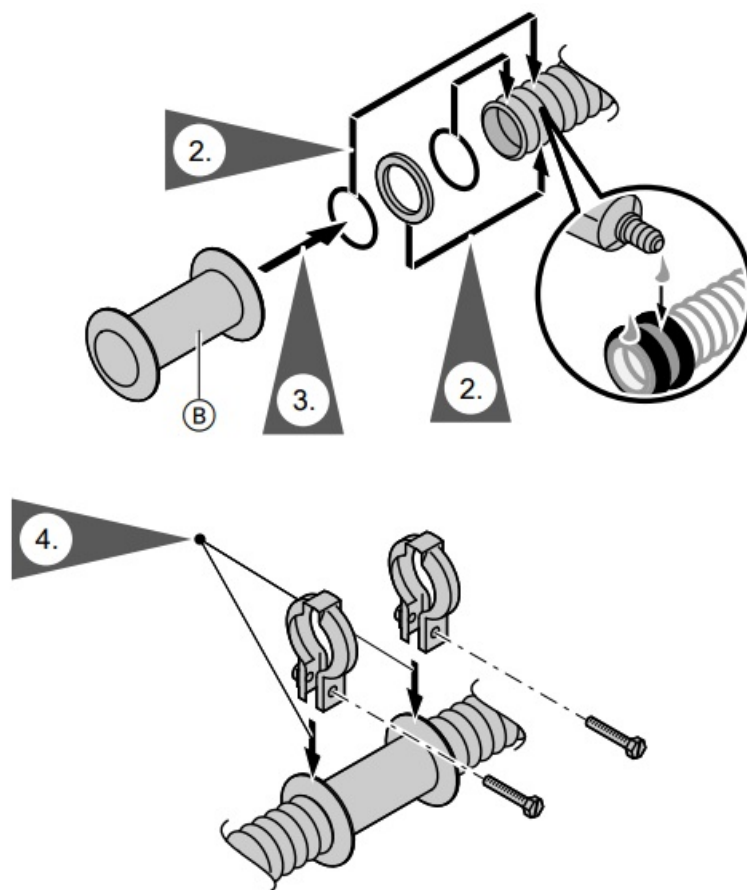
- B Crimp
- C Collector temperature sensor lead
  - Strip the insulation from the wire ends.
  - Insert the wire ends into the crimp supplied and push the crimp together.
  - Heat up the shrink hose to seal the joint.

7. Thermally insulate the joints. Secure the thermal insulation with the HT tape supplied

### Installation and connecting kit for connection line



- A Pipe sleeve



- B Pipe sleeve to extend the solar lines
1. Determine the required line lengths. Cut open the thermal insulation and push it back. Use pipe trimmer in the valley and cut carefully whilst slowly applying the cutting wheel. Deburr.
  2. Fit O-rings in the first and third valleys and a support ring in the valley in between. Lubricate O-rings and support ring with special grease. Never damage or twist O-rings.
  3. Invert the pipe sleeve as far as it will go over the pipe; the support ring must not be pushed out of the valley.
  4. Secure the profiled clips onto the flared pipe sleeve coupling and the pipe valley.
  5. Make the connection to the collector or DHW cylinder via the locking ring fitting.
  6. Thermally insulate the joints.


#### **Viessmann Werke GmbH&Co KG**

- D-35107 Allendorf
- Telephone: +49 6452 70-0
- Fax: +49 6452 70-2780
- [www.viessmann.com](http://www.viessmann.com)


#### **Viessmann Limited**

- Hortonwood 30, Telford
- Shropshire, TF1 7YP, GB
- Telephone: +44 1952 675000
- Fax: +44 1952 675040
- E-mail: [info-uk@viessmann.com](mailto:info-uk@viessmann.com)

## Documents / Resources

	<a href="#">VIESMANN 5609 905 Solar Flow and Return Line Connection Line</a> [pdf] Instruction Manual 5609 905 Solar Flow and Return Line Connection Line, 5609 905, Solar Flow and Return Line Connection Line, Return Line Connection Line, Connection Line, Line
---	---

## References

-  [Viessmann.com](#)
- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.