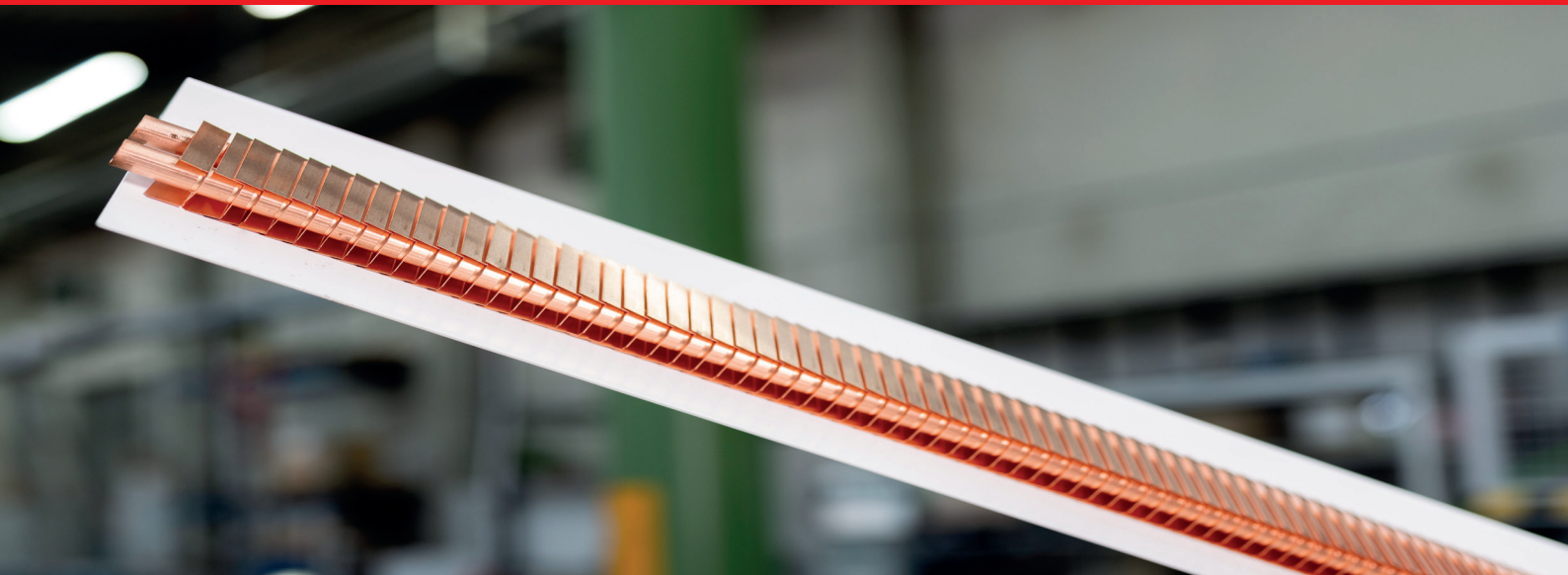
INSTALLATION INSTRUCTIONS

Skirting radiators IVT-SHL-3 and IVT-SHL-3D



Content:

Remarks*:

- Base wall panel, Cover panel and cu heating coil are supplied individually packed
- Standard module length 2.5 m (easy to assemble the components)
- Additional components (please order together) are packed separately
- Technical rules and specifications of the manufacturer must be observed during installation!

* Errors and technical changes reserved!

STEP 1: ADJUSTING AND CUTTING TO REQUIRED LENGTH

Remarks:

- Adjusting and cutting the base wall panel to length with miter saw
- When installing around a corner: miter cutting at exact angles with a miter saw
- A wall should be equipped with the Skirting radiators over the entire width

STEP 1: ALTERNATIVES

Remarks:

- Use of external and internal corner elements made of plastic
- Advantage: Easy insertion of the plastic elements onto the ends of the wall and cover panels, Neat connection of the individual elements, Simple concealment of cut edges
- Miter cutting is not necessary!
- Plastic corners will be installed in "Step 2: Connecting"

Alternatives:

• 1: For the internal corner of the wall panels BW-3 and BW-3D, use the internal corner 878 386 508

• 2: For the external corner of the wall panels BW-3 and BW-3D, use the external corner 878 386 510

• 3: For the cover panels, please use the external corner 878 386 512 - for BW-3D, two external corners should be installed on top of each other

1: Internal corner: 878 386 508

2: External corner for base wall panel: 878 386 510

3: External corner for cover panel: 878 386 512

STEP 2: CONNECTING

Remarks:

- Connecting the wall panels with the butt connectors
- Placing all wall panels in the room (also in corners), then alignment
- Now you can start with the installation of the plastic corners

STEP 3: FIXING PART

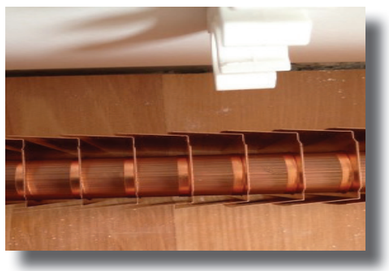
Remarks:

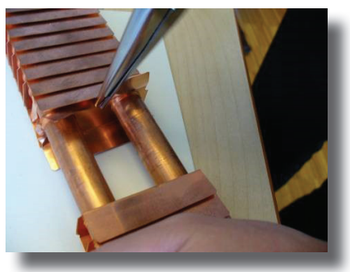
- Drilling through base wall panel with 8 mm drill: base wall panel has Pre-drilled holes (8.5 mm diameter) at 50 cm intervals
- Base wall panel has the function of a drilling template
- Place 8 mm dowel with collar and fasten with 6 x 50 mm screws
- After fixing the basic wall panel to the wall: fix the plastic brackets with the wall panel and the wall
- Drill the holes with 6 mm drill through the wall panel
- Then set 6 mm dowels and fix the plastic brackets with 4 x 40 mm screws
- Pre-drilled holes have 50 cm interval
- When closing off the wall, keep a distance of at least 15 cm between the brackets and the wall

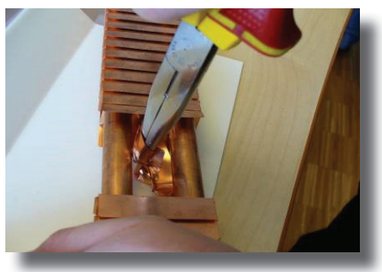
STEP 4: ALIGNMENT

Remarks:

- Aligning the heating coils
- Remove the copper fins from the places where the plastic brackets will later be fixed
- Remove four fins per clip
- To do this, remove the fins from the heating tubes from the side by twisting them with a (needle-nose) plier
- CAUTION: The fins are sharp-edged. Work gloves should therefore be worn. Only remove as many fins as necessary, otherwise the heating capacity will be unnecessarily reduced



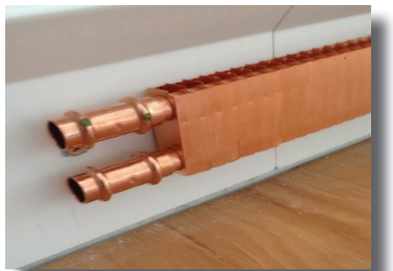




STEP 5: HANGING THE PIPE COIL

Remarks:

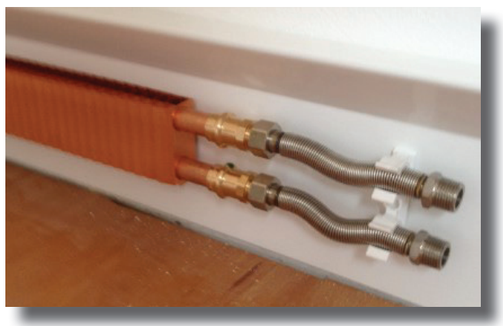
- Hanging the pipe coil in plastic brackets
- Important: Install lamellae set in such a way that larger lamellae gap side is fastened on wall side
- Use conventional soldering or press fittings for copper pipe for connection
- First connect, then place in the clips
- If necessary, these can be taken down again for connecting to further coils



ADDITIONAL PIPE COIL

Remarks:

- For lengths > 8 m between two heating coils, compensators must be installed
- If there is no possibility of length expansion in case of wall protrusions or connections on the supply line: Installation of an compensator at a corner from a coil length upwards of 3 m



STEP 6: INSTALLATION OF MATING PARTS

Remarks:

- Installing the mating parts (clip upper parts) in the cover panel
- To simplify installation: Use the 878 386 527 setting tool
- To do this, place the upper part of the clip lengthwise in the cover panel, rotate it 90 degrees to the holding position and align it
- Cover panels are connected to each other using the butt connector for cover panel
- Place the cover panels on the plastic brackets and snap them into place with hand pressure

STEP 7: END COVERS

Remarks:

- End covers (supplied in pairs, left and right version) for lateral covering of the pipe coil are inserted with the lug into the grooves of the cover panel
- For better hold, bend the lugs on the outer edges slightly in opposite directions so that they tilt in the groove

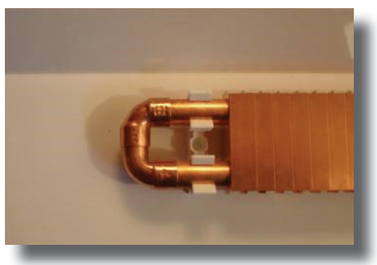
STEP 8: END CONNECTIONS

Remarks:

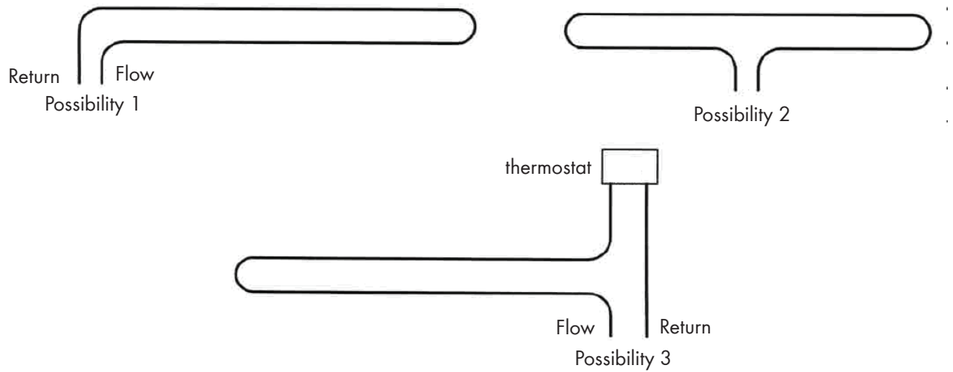
- The skirting radiator can be connected via a distributor system (as for underfloor heating) or via a thermostatic valve directly on the skirting radiator.
- For the thermostatic valve, the cover panel with a hole should be planned
- For screw connections, ensure that the front surface/front of the screw connection is vertical/parallel to the cover panel
- Possible combinations: Flush-mounted connection with individual room temperature controller or combination with radiator valves

Remarks:

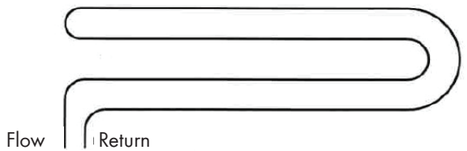
- Maximum length of a heating circuit for system IVTSHL-3 12.5 m; for system IVT-SHL-3D 7.5 m
- Connection of the flow on the lower copper pipe
- Connection between the lower and upper pipes of a heating coil can be made both by using a deflection compensator or by using elbows.
- With the help of a T-piece it is also possible to install an air vent (if there is no other possibility of ventilation)
- When installing a air vent/thermostatic valve, make sure that the cover panel can be removed again later on
- If necessary, the cover panel must be cut to make an inspection opening



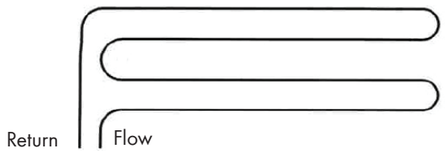
System SHL-3 (max. overall length 12.5 m)



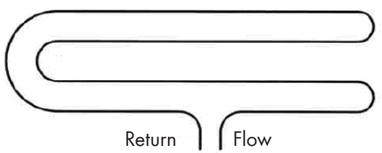
System SHL-3D (max. overall length 7.5 m)



Possibility 1



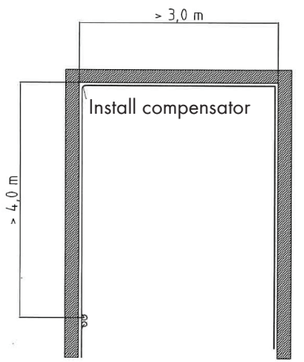
Possibility 2

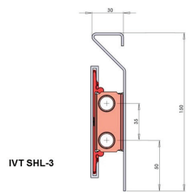


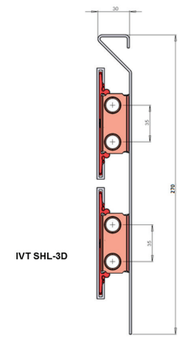
Possibility 3

Remarks:

- In rooms with side lengths > 4 m, or on walls where no open end can accept the length expansion, and > 3 m, then a deflection compensator for both pipes of a heating coil must be installed in one corner.







INSTALLATION INSTRUCTIONS

Skirting radiators IVT-SHL-3 and IVT-SHL-3D

Status 10/2023

IVT GMBH & CO. KG

Gewerbering Nord 5
D-91189 Rohr

Headquarter
Tel.: +49 9876 9786-0
E-Mail: info@ivt-group.com

Sales Service Team
Tel.: +49 9876 9786-97
E-Mail: verkauf@ivt-group.com

Technical support
Tel.: +49 9876 9786-60
E-Mail: technik@ivt-group.com

Design service
Tel.: +49 9876 9786-120
E-Mail: planung@ivt-group.com

Accounting
Tel.: +49 9876 9786-902
E-Mail: bonitaet@ivt-group.com

Opening hours logistics
Mon. – Thurs.: 7:00 a.m. – 18:00 p.m.
Fri.: 7:00 a.m. – 17:00 p.m.

IVT GES.M.B.H. & CO. KG

Deutschstraße 15
AT-1230 Wien

Logistics
Tel.: +43 1 616 6865-20
E-Mail: info@ivt-group.com

Opening hours logistics
Mon. – Thurs.: 7:00 a.m. – 18:00 p.m.
Fri.: 7:00 a.m. – 16:00 p.m.