

TRANBERG

STAHL

THE STRONGEST LINK.

TRANBERG® THERMOSTAT

Connection of PT-100 Element

Ex Zone depending on JB approvals

USER MANUAL

R. STAHL TRANBERG AS

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General Information

Manufacturer

R. STAHL TRANBERG AS

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About these operating instructions:

- Read these operating instructions, especially the safety notes, carefully before use.
- Observe all other applicable documents (See also further documents section).
- Keep the operating instructions throughout the service life of the device.
- Make the operating instructions accessible to operating and maintenance personell at all times.
- Pass the operating instructions on to each subsequent owner or user of the device.

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Further documents for this product:

- Datasheet, TPS6402

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1. Safety

1.1 General

To ensure that the product is used safely and to optimize its life time, the following instructions must be observed and adhered to.

- Only suitably qualified personnel may install the products.
- Note that changes to the product and/or installation of components which do not conform to the approval, may be a safety violation. The manufacturer will not under any circumstances be held responsible for such activity.
- For your health and safety, always use safety gear suited for the task.
- Be certain to follow codes, regulations and / or specific procedures that are related to the installation.
- The equipment shall be attached to a solid surface in a way suitable for the conditions of use.

2. Maintenance

2.1 Maintenance

- The junction box should be inspected according to company routines.
- The manufacturer suggest regular check for water intrusion/condensation which should be removed immediately.
- Check the drainplug.

2.2 Tools required for installation

Regular tools required for installation:

- Wrench AF 30mm

3. Installation instructions

Only qualified personnel are allowed to perform installation and maintenance tasks to this product. The equipment is ready for installation when leaving the production facilities of R. Stahl Tranberg AS. Please check the condition of the equipment and any other contents in the box when unpacking. Any damage done to the equipment during transportation is not the responsibility of R. Stahl Tranberg AS. If the content is not complete, please file a claim to the manufacturer immediately.

Any damage caused by the use of an incorrect combination of cable and cable glands is not the responsibility of R. Stahl Tranberg AS and is not covered by the warranty.

4. Installation

4.1 Preparation

- Make sure you read the whole manual before starting the installation.
- Check whether the product is to be installed in an environment that meets the ambient temperatures, gas group and temperature class.
- Remove the product from the package and check it for mechanical damage.

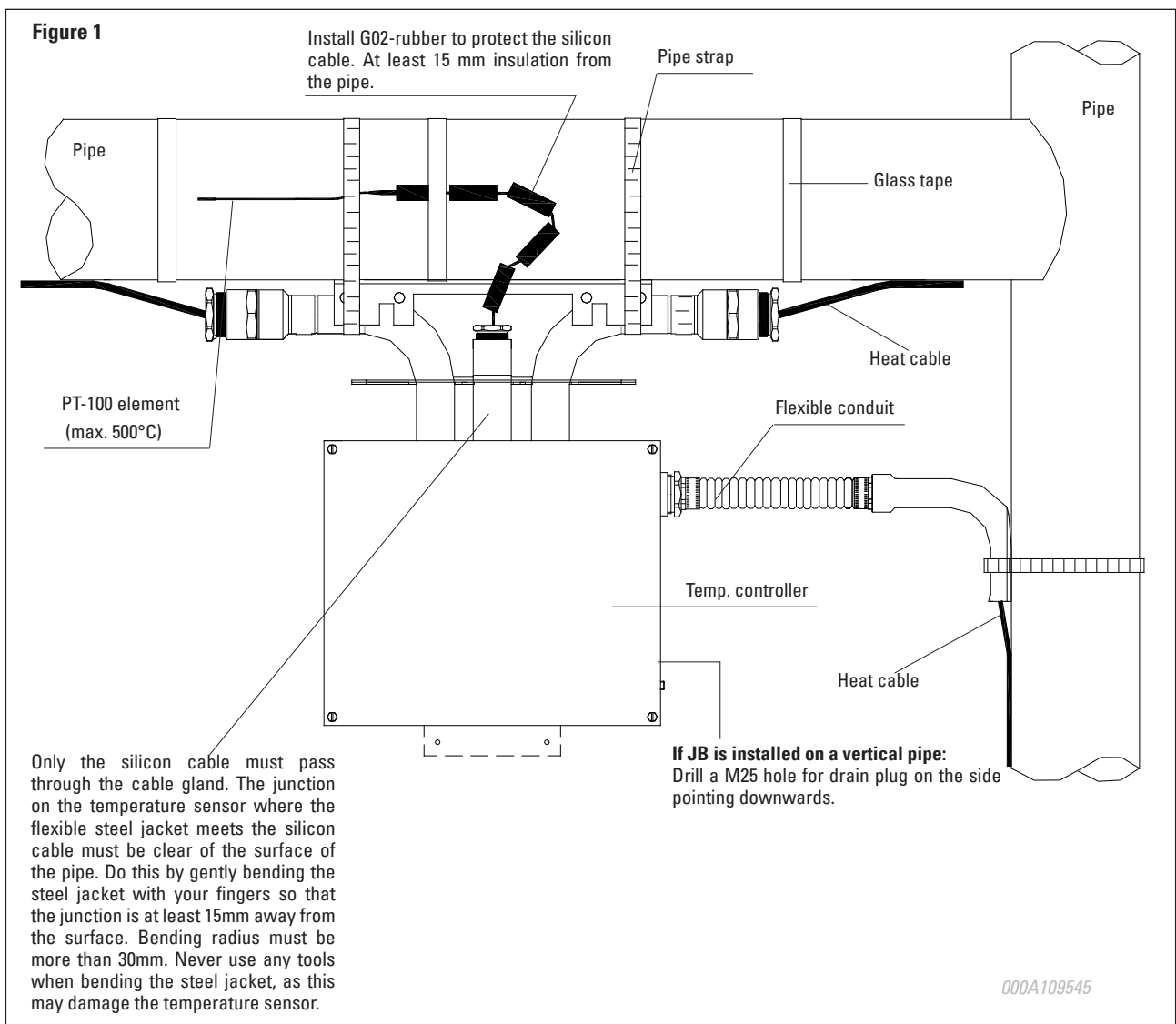
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4.2 Assembly Instructions

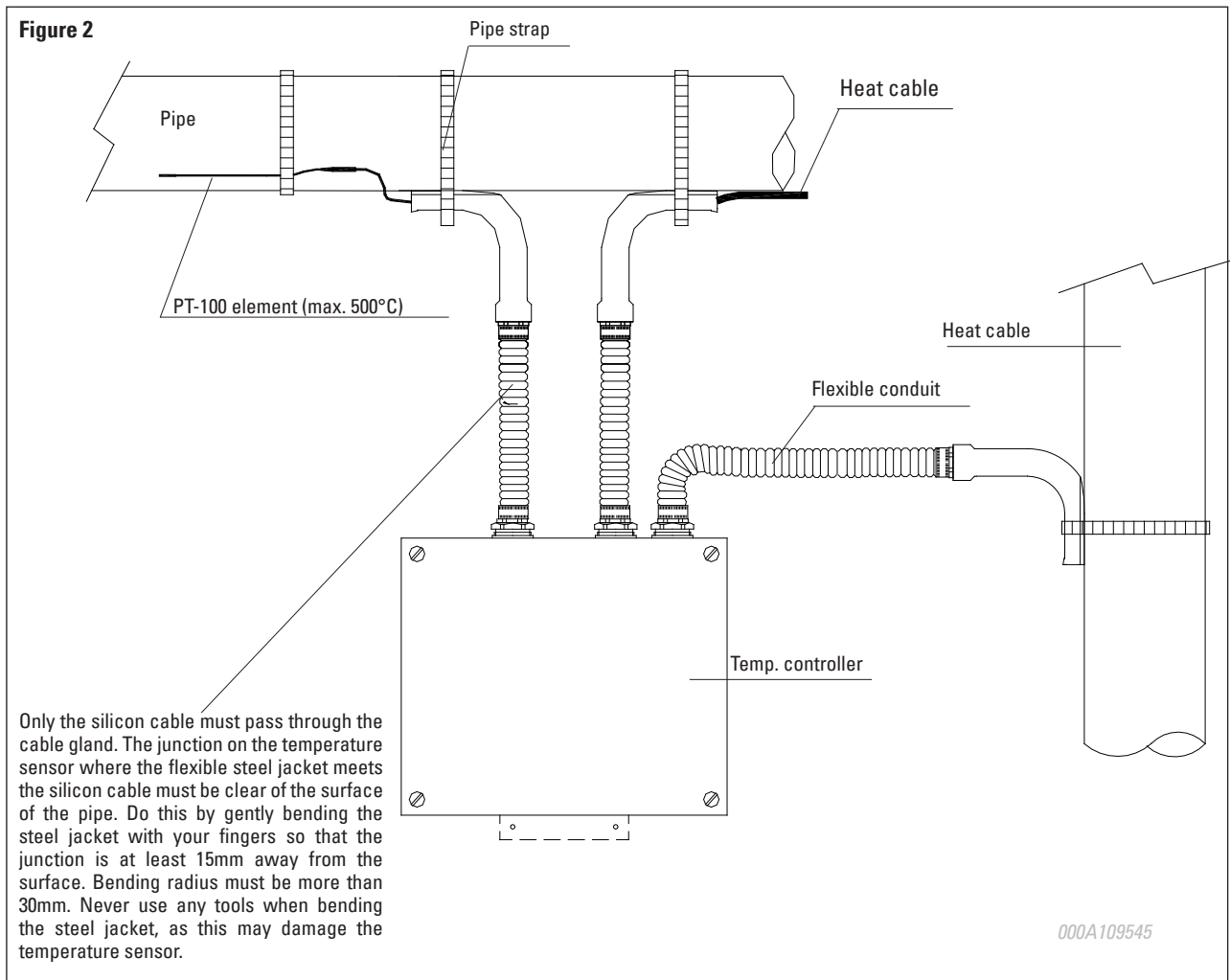
- The cable shall not be in contact with the pipe when mounting the PT-100 element.
- According to drawing (figure 1), pull the end of the PT-100 element cable through all the components including the flexible conduit.
- Fasten the transition unit to the pipe.
- Form the mantle in such a way that the sensor is in contact with the pipe. Fasten the sensor to the pipe.
- Put the grommet and the washer into tubes.
- Screw the compression nut / conduit fitting into tube and tighten thoroughly.
- Cut wire for PT-100 element in a suitable length.
- Mount sealed end casing onto each connector.
- Connect to premarked Exi terminals for PT-100 element.



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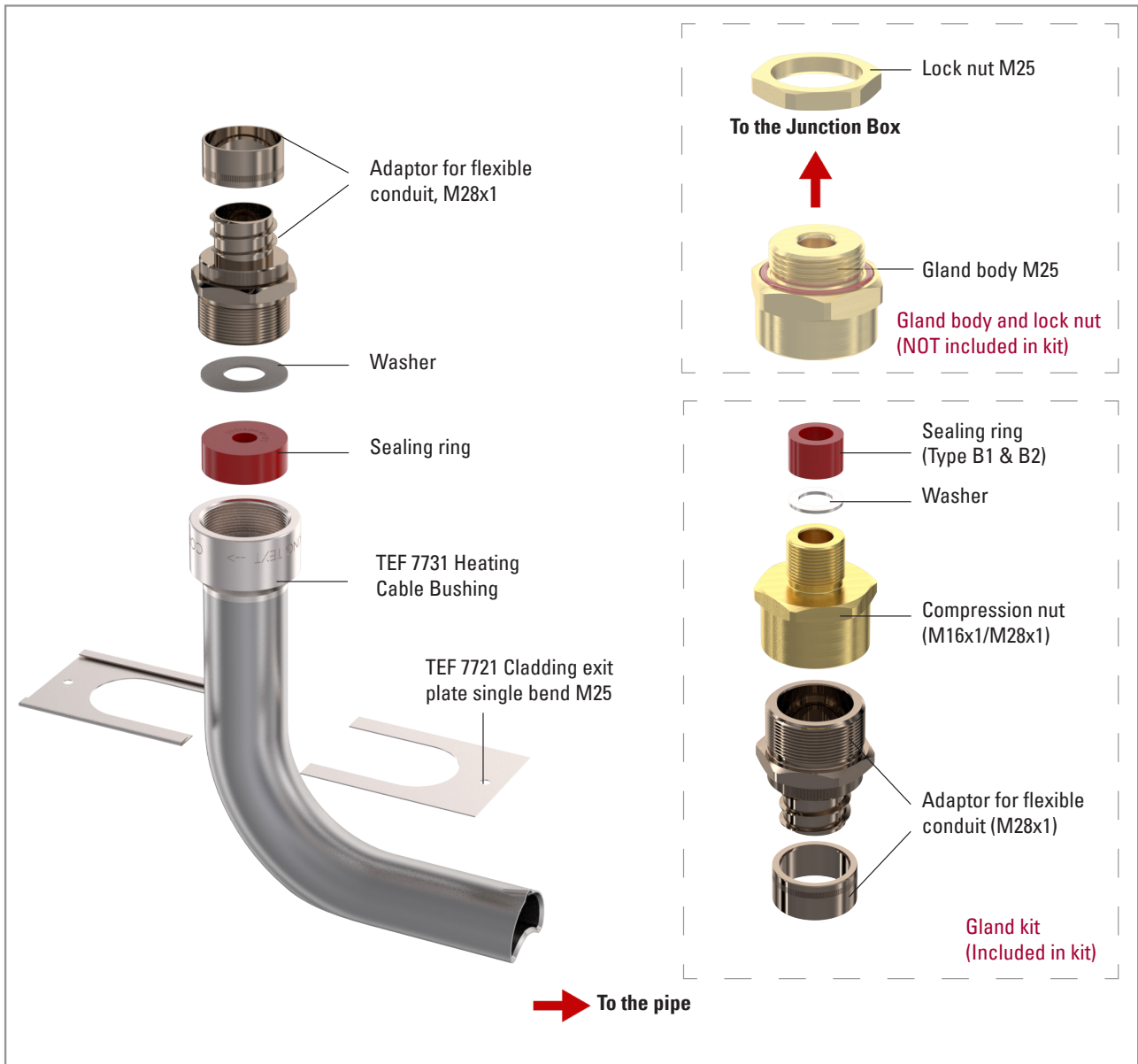
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5. Description part numbers

Description	Part No.
Connection kit M25 for Temp-sensor D8mm - PT100 / Wall	9178045
Connection kit M25 for Temp-sensor D4.5mm - PT100 / Wall	9178046
Connection kit M20 for Temp-sensor D4.5-7,5mm - PT100 / Wall	9178047
Connection kit M25 for Temp-sensor D4.5-9,1mm - PT100 / Wall	9178048
Connection kit M16 for Temp-sensor D4.5-7,5mm - PT100 / Wall	9178049



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