Installation instructions
Welding adapter
for units with Aseptoflex Vario adaptation

UK

E30122
E30130
E30149
E30150

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1 Preliminary note

1.1 Symbols used

▶ Instructions

> Reaction, result

[…] Designation of keys, buttons or indications

→ Cross-reference

Important note
Non-compliance may result in malfunction or interference

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2 Safety instructions

- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ 3 Functions and features)
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the product must be carried out by qualified personnel authorised by the machine operator.

3 Functions and features

The welding adapter allows the installation of sensors with Aseptoflex Vario adaptation in tanks or piping systems.

For use in hygienic areas to EHEDG:

▶ Make sure that the sensor is integrated into the system according to EHEDG.

During welding and the following cooling phase the sensor must not be in place.

4 Installation

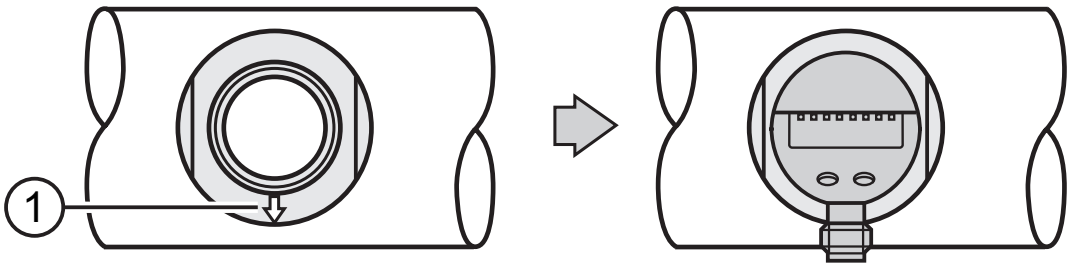
▶ Bore a hole that has the outside diameter of the adapter in the pipe or tank wall. Max. oversize 0.2 mm.

Recommendation:

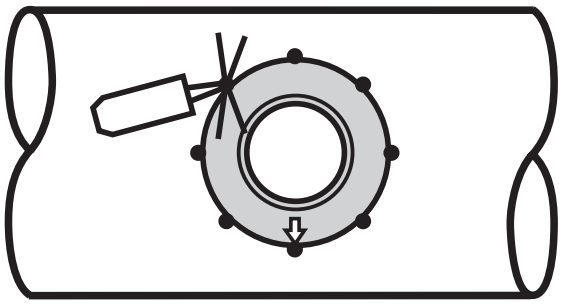
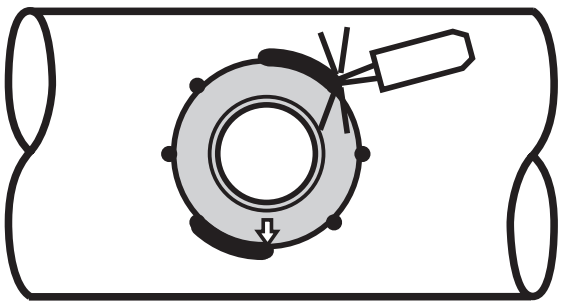
▶ Use a welding mandrel for optimum heat dissipation, order no. E30435.

The adapter must not warp.

▶ Weld adapter:



▶ Adapter alignment: Turn the marking (1) (marking may vary) to the position provided for the display of the screwed sensor.

▶ Fix the adapter in several spots with a sufficient adhesive force. Apply the fixing points at equal distance opposite each other.	
▶ Apply the welding seams between the fixing points opposite each other. Ensure sufficient intervals between the individual sections to avoid glowing through or warping of the adapter due to overheating.	

▶ Let the adapter cool down.

▶ If used: remove the welding mandrel.

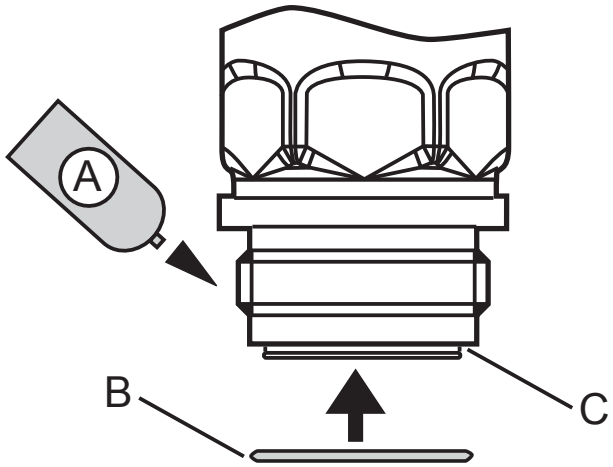
▶ Remove deposits from the thread.

5 Mount sensor

A lubricating paste is needed for the installation. It must be suitable and approved for the given application and compatible with the elastomers used (e.g. seal).

The adapter is supplied with an EPDM-O ring. More sealing rings are available as accessories: FKM O-ring, order no. E30123

- ▶ Remove protective packaging only just before mounting.
- ▶ Ensure cleanliness of the sealing areas.

▶ Place the sealing ring (B) in the groove (C) of the sensor. ▶ Use lubricating paste (A) sparing and apply to threaded parts.	

- ▶ Tighten the sensor using a spanner until you can feel the end stop (this corresponds to a maximum tightening torque of 35 Nm).

Too much torque may impair the seal.

If the sealing areas are damaged: replace the adapter.

6 Set-up

- ▶ Before set-up check the tank or pipe for ingress resistance.
- ▶ Set-up of the sensor: → Operating instructions of the sensor.

7 Technical data

Further technical data: www.ifm.com