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Installation instructions
Welding adapter for units
with G $\frac{1}{2}$ thread
E43375



UK

Contents

- 1 Preliminary note.....2
 - 1.1 Symbols used2
- 2 Safety instructions3
- 3 Functions and features3
- 4 Installation.....4
- 5 Fit sensor / sealing plug.....5
- 6 Set-up5
- 7 Technical data5

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
-  Information
Supplementary note

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.

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3 Functions and features

The welding adapter allows the installation of sensors with G ½ thread in tanks or piping systems.



When mounted in restricted spaces to avoid malfunction and damage to the sensor:

- ▶ Adhere to the minimum distances indicated in the operating instructions of the sensor.



Pressure Equipment Directive (PED)

The adapter complies with the Pressure Equipment Directive and is designed and manufactured for group 2 fluids in accordance with the sound engineering practice. Use of group 1 fluids on request.

4 Installation

- Bore a hole in the pipe or tank wall with the outside diameter of the adapter.
Max. oversize 0.2 mm.



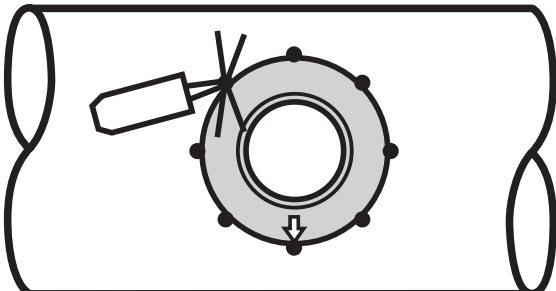
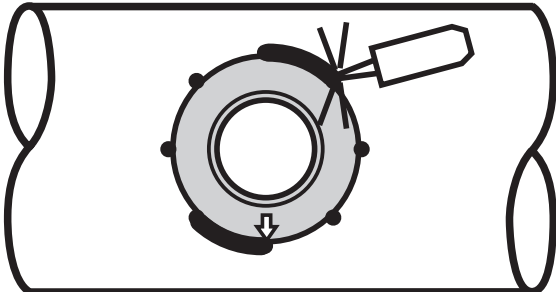
Recommendation:

- Use a welding mandrel for optimum heat dissipation, order no. E43382.




The adapter must not warp.

- Weld adapter:

<ul style="list-style-type: none">► Fix the adapter in several spots with a sufficient adhesive force; apply the fixing points at equal distance opposite each other.	
<ul style="list-style-type: none">► 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 Fit sensor / sealing plug

- ▶ Remove protective packaging only just before fitting.
- ▶ Ensure cleanliness of the sealing areas.
- ▶ Slide the supplied seal across the thread of the sensor / sealing plug.
-  For fitting a lubricating paste is needed. It must be suitable and approved for the given application and compatible with the elastomers used (e.g. seal).
 - ▶ Use the lubricating paste sparingly.
 - ▶ Only apply to threaded parts.
 - ▶ Avoid contact of the seal and sealing area with the lubricating paste.
- ▶ Fitting of the sensor / sealing plug only with specified tightening torque and without use of force.

Tightening torque: → Operating instructions of the sensor / sealing plug.

 Too much torque may impair the seal.

 If the sealing area is 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