



Installation instructions
Process adapter for devices with G $\frac{1}{2}$ external thread
E43917

GB



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1 Preliminary note

You will find instructions, technical data, approvals and further information using the QR code on the unit / packaging or at documentation.ifm.com.

1.1 Symbols used

- ✓ Requirement
- 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

- The unit described is a subcomponent for integration into a system.
 - The system architect is responsible for the safety of the system.
 - The system architect undertakes to perform a risk assessment and to create documentation in accordance with legal and normative requirements to be provided to the operator and user of the system. This documentation must contain all necessary information and safety instructions for the operator, the user and, if applicable, for any service personnel authorised by the architect of the system.
- 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 (→ Intended use).
- Only use the product for permissible media (→ Technical data).
- 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, set-up, operation and maintenance of the product must be carried out by qualified personnel authorised by the machine operator.
- Protect the product against damage.

3 Intended use

The process adapter enables the installation of flush sensors with G $\frac{1}{2}$ external thread, e.g. PL15xx.



When using other pressure sensors or products from other manufacturers, compatibility must be ensured.

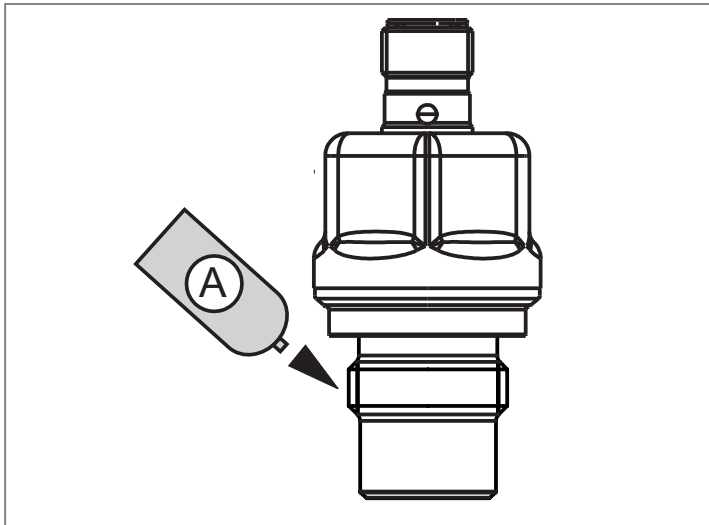
4 Installation



Before installing and removing the device: Make sure that no pressure is applied to the system.

- Installation must be carried out by qualified staff.
- Observe the notes on installation in the operating instructions of the corresponding sensor.
- Ensure cleanliness of the sealing areas. Therefore, remove the protective packaging only just before mounting.
- If the sealing areas are damaged: Replace the adapter.

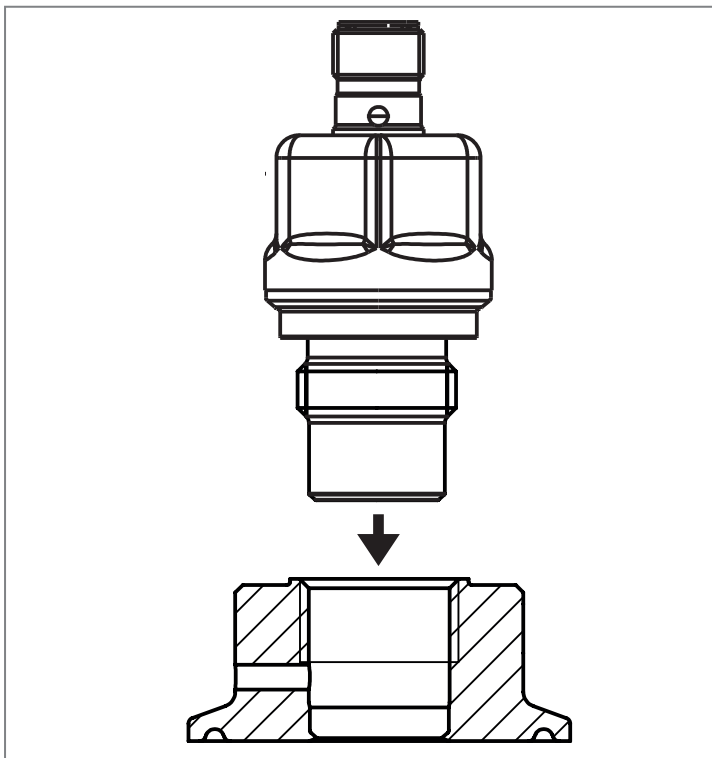
4.1 Installation sensor - adapter



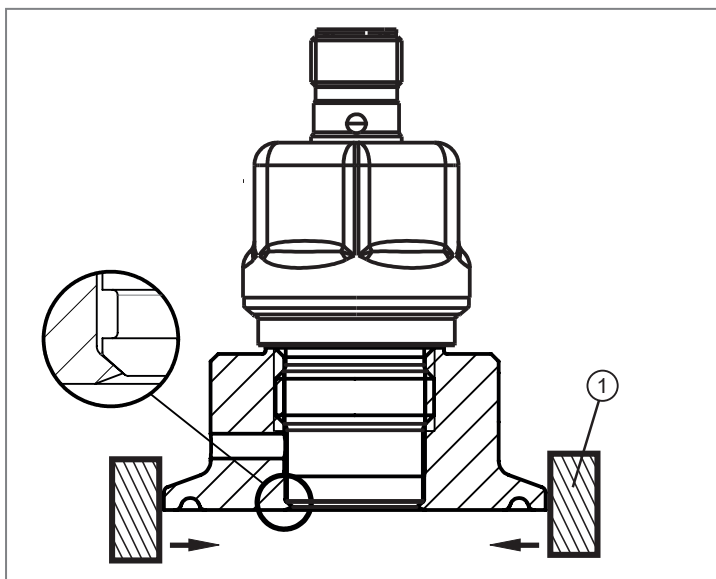
- Ensure the cleanliness of the sealing areas.
- Lightly grease the thread of the sensor using the lubricating paste (A).



The lubricating paste must be suitable and approved for the given application and compatible with the elastomers used.



- Screw the sensor into the adapter until it is hand-tight.
- Neither damage the seals nor the sealing areas.



- ▶ Clamp the sensor and the adapter into a clamping device (1).
- ▶ Do not deform or damage the adapter.
- ▶ Tighten the sensor using a spanner (tightening torque: → Operating instructions of the sensor).
- ▶ Remove the unit (sensor and adapter) from the clamping device.
- ▶ Install the unit (sensor and adapter) in the system.

5 Foreseeable misuse

The pressure rating of the ifm adapter is indicated as 150 bar.



Common clamp adapters and elastomer seals are not designed for system pressures above PN16.

For system pressures of > 16 bar:

- ▶ Select suppliers with suitable components (check technical data).
- ▶ Make sure that the clamp and the clamp seal correspond to the pressure range (special parts: not available in the ifm product range).



ifm does not assume any liability for the connection of the adapter to installations with operating pressures > 16 bar.

- ▶ If required, contact the ifm specialists.

6 Set-up

- ▶ Before setting up the system: Check all components for ingress resistance.
- ▶ Setting up the sensor: → Operating instructions of the sensor.

7 Disposal and return

- ▶ After use, dispose of the unit in an environmentally friendly way in accordance with the applicable national regulations.
- ▶ In case of return shipment, ensure that the unit is free from soiling, especially from dangerous and toxic substances.