

WATERFLUX 3000

Electromagnetic flow sensor

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Installation, assembly, start-up and maintenance may only be performed by appropriately trained personnel.
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This instrument complies with requirements of Low Voltage Directive. Instruments must not be connected to power supply before reading instructions described in the manual.
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The responsibility as to the suitability, intended use and corrosion resistance of the used materials against the measured fluid of this device rests solely with the operator.

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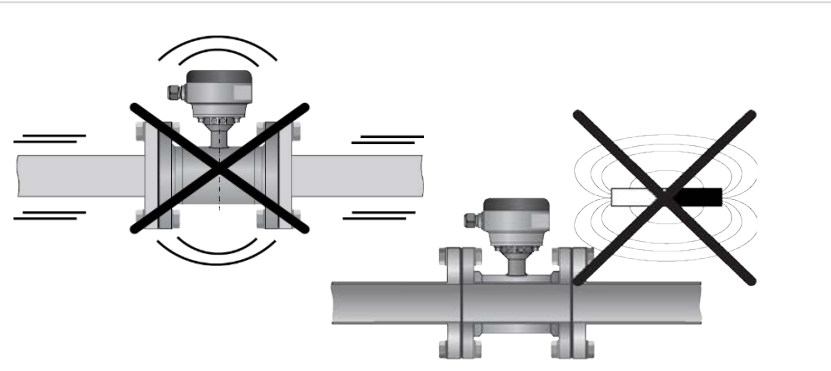
This device cannot be used in Hazardous Locations or Explosive Gas Atmospheres!
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To prevent damage to the Rilsan® coating, the WATERFLUX 3000 flow sensor must be installed carefully. Take precautions during transport and installation to protect the in- and outlet of the flow sensor.

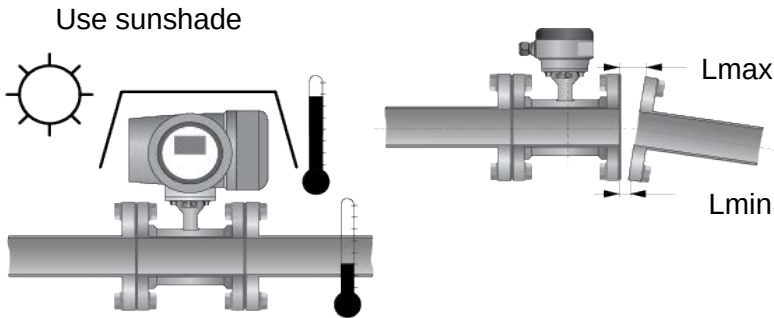
1 Installation

General installation requirements

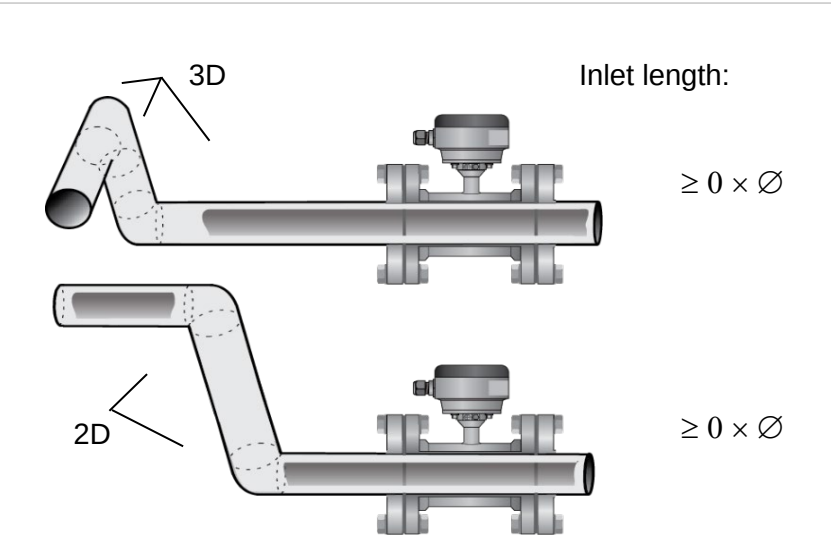
Check the manual for more details on installation options. 



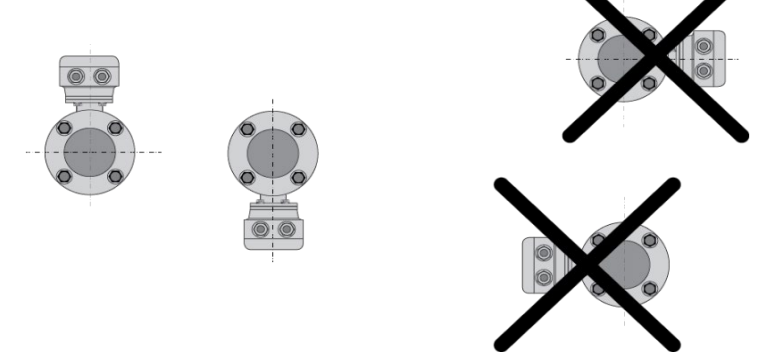
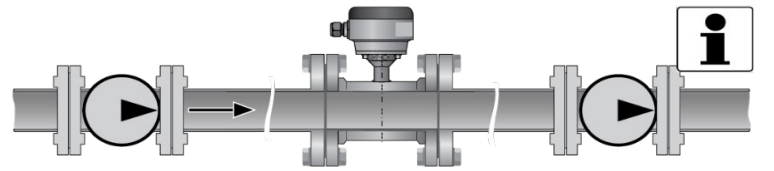
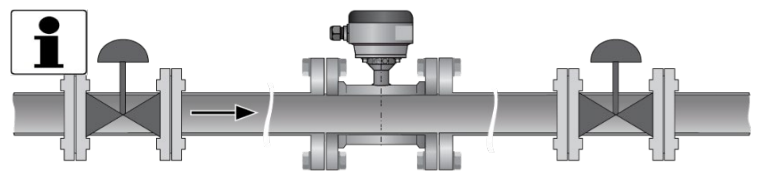
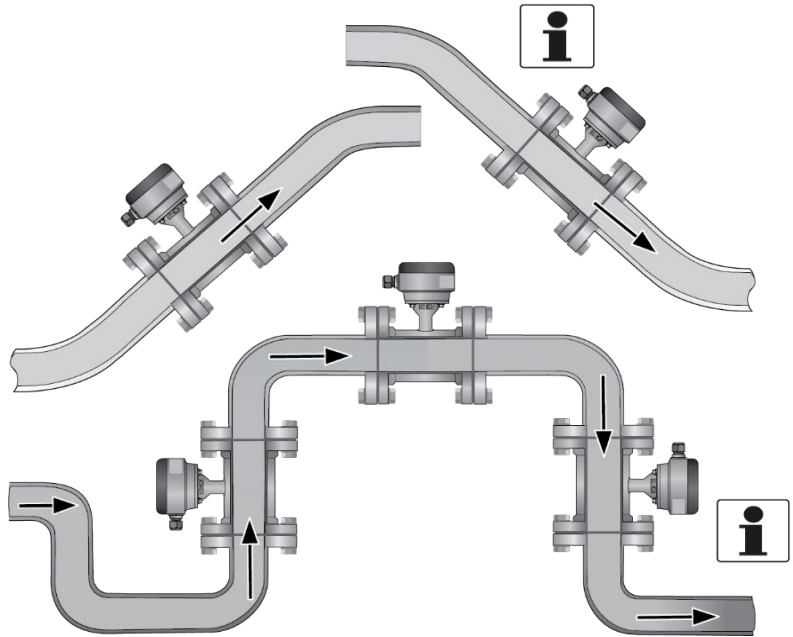
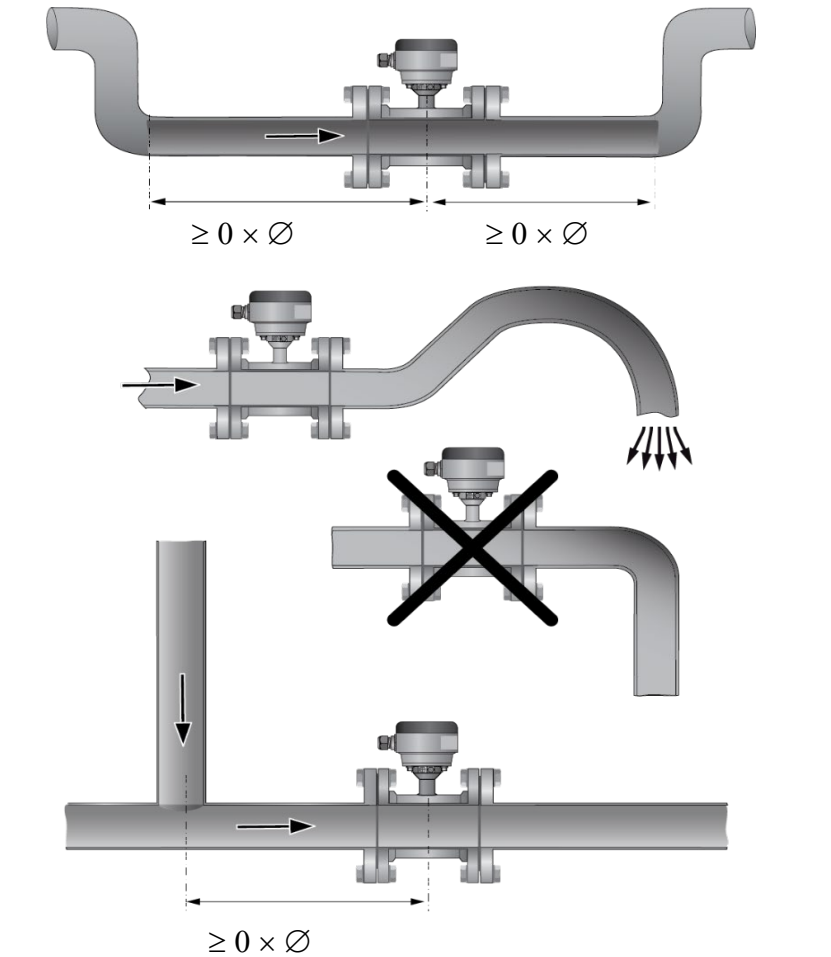
Avoid vibration / Electromagnetic fields



Lmax - Lmin < 0.5 mm / 0.02"

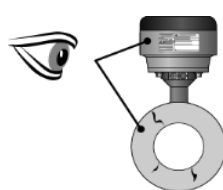
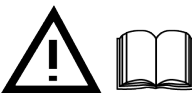


 Inlet length: Depends on 2D/3D bends upstream

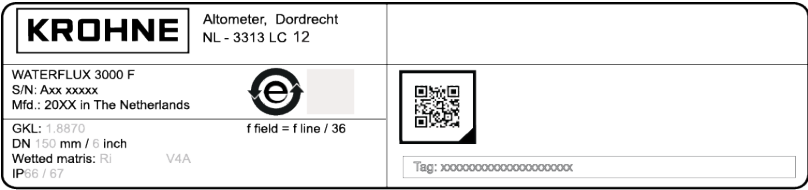


General

 Check the device nameplate to ensure that the device is delivered according to your order.

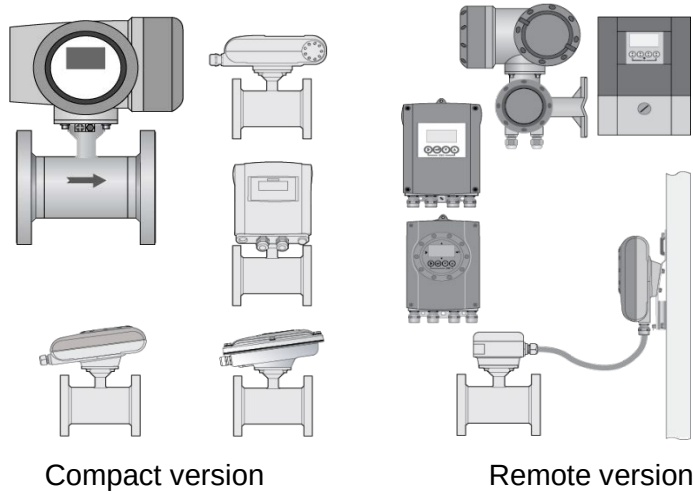


Device nameplate (example)



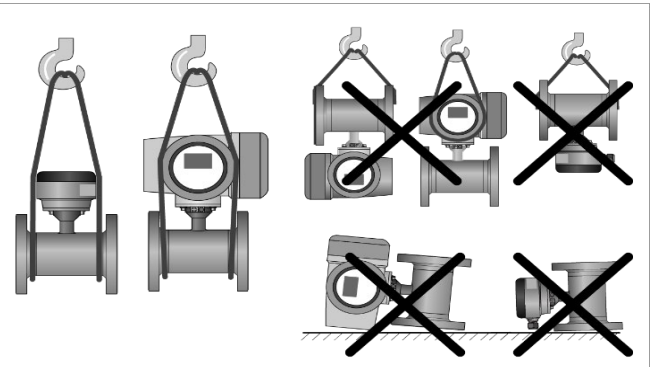
Check for damage

Device version(s)



Transport

- No special requirements
- Use the original packing of the device(s) when transporting to the installation location.



2 Electrical connection



All work on the electrical connections may only be carried out with the power disconnected. Take note of the voltage data on the nameplate! Observe the national regulations for electrical installations!

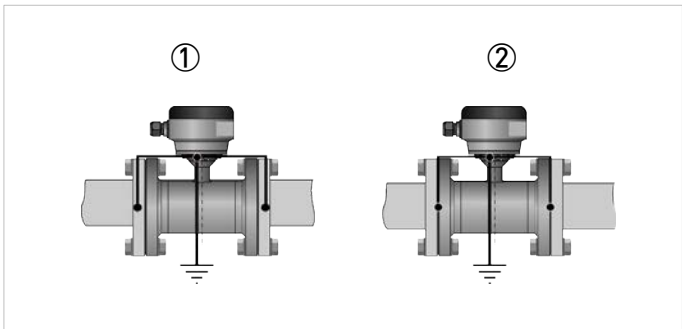


Observe without fail the local occupational health and safety regulations. Any work done on the electrical components of the measuring device may only be carried out by properly trained specialists.

Grounding

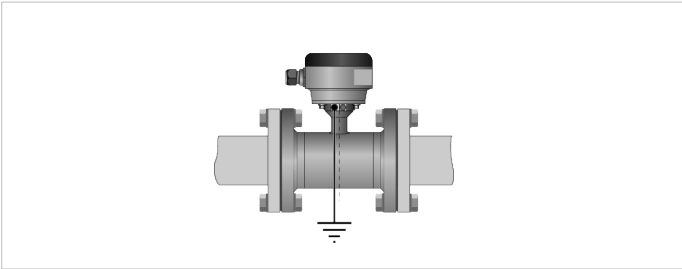


The device must be grounded in accordance with regulations in order to protect personnel against electric shocks.



- ① Metal pipelines, without a lining. Ground the device without grounding rings!
- ② Metal pipelines with a lining and non-conductive pipelines. Ground the device with grounding rings!

Virtual reference



Grounding without grounding rings.
The flow sensor is equipped with a reference electrode.

Minimum requirements

- Nominal diameter: $\geq \text{DN}10 / \frac{3}{8}"$
- Electrical conductivity: $\geq 200 \mu\text{S}/\text{cm}$
- Electrode cable, type DS: max. 50 m / 164 ft

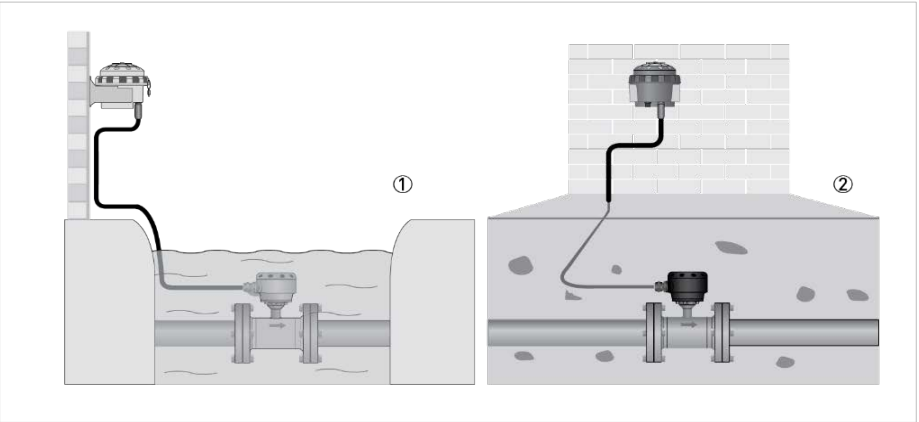
Only for IFC 300 signal converter

3 Quick Setup



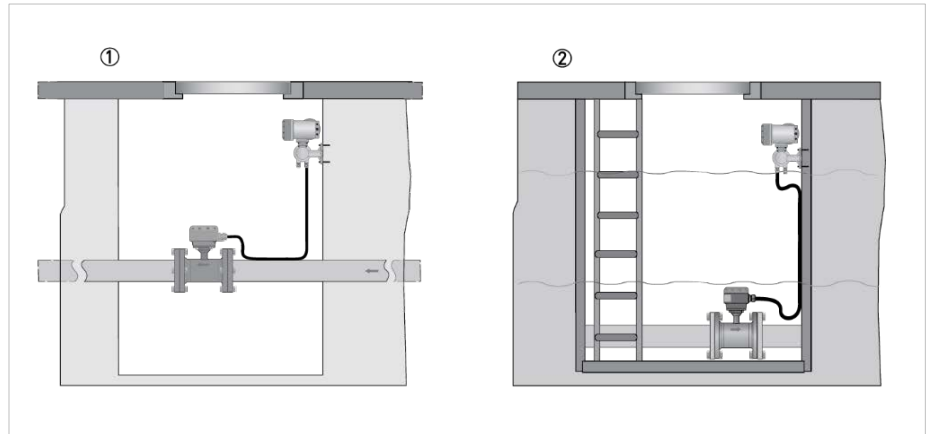
For the start up and menu description please refer to the manual of the applicable signal converter.
For the connection diagrams please refer to the applicable manual .

Installation in a metering pit and subsurface applications



- ① Submersible
- ② Buried

Examples of flooded and buried application



- ① Periodic submersion
- ② Continuous submersion

Examples of installation in measuring pit

Download documents/software

Scan the code on the nameplate or scan the following code and enter the serial number.



Contact

Select your country from the region / language selector to view your local KROHNE contact details on:

www.krohne.com