

Change fitting WA 120

for pH- and Redox combination electrodes with Process connection PG13,5

Features

- Mounting or removing of sensors without interruption of process (in-line)
- Process thread G3/4A
- Medium contact material: stainless steel 1.4571, seal Viton® *
- Other material PP
- For sensor length 120mm, \varnothing 12mm
- max. operating temperature 135°C
- max. pressure range 10 bar



* Viton is a registered trademark of Dupont

General

The change fitting WA120 makes removal and replacement of pH and redox combination electrodes under process conditions (in LINE) very simple. The concerned cycle will not disturb or interrupted at any time.

Short information

Built-in position The location should be easily accessible and free from vibrations. Maximum operating temperature and pressure depends on the change fitting WA120 and the installed sensor.

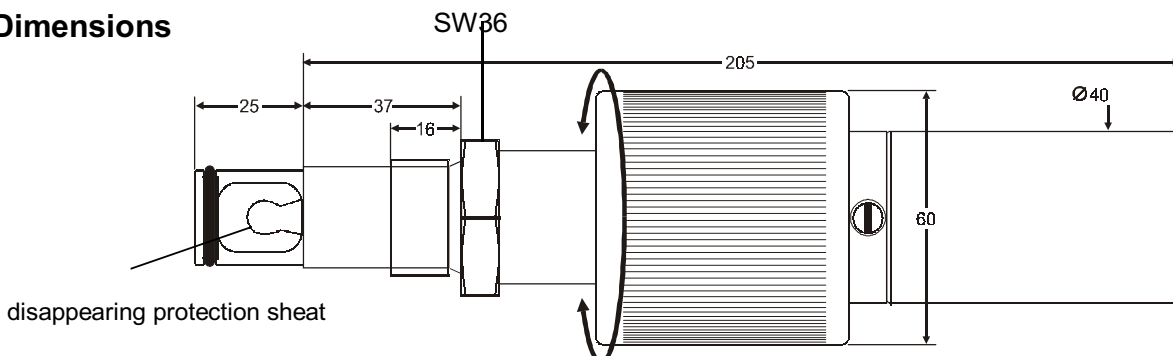
Mounting For correct mounting of the WA120 see instructions (page 2).



Caution!
Inappropriate assembling or operation can produce personal injuries!

Handling The operation of the change fitting WA120 has to be made in accordance with the operating instructions (page 3). The operating personal should be instructed basically. The available documentation has to be deposited on a place, accessible at any time.

Dimensions



Mounting instructions WA120

General

To install in a pipe or a container wall the change fitting WA120 has a G3/4A process connection with a nut suitable for a 36mm spanner. For adjustment of the sensor in flow direction of the pipe, a 2mm socket head screw turner (included by delivery) and a 32mm spanner is necessary.

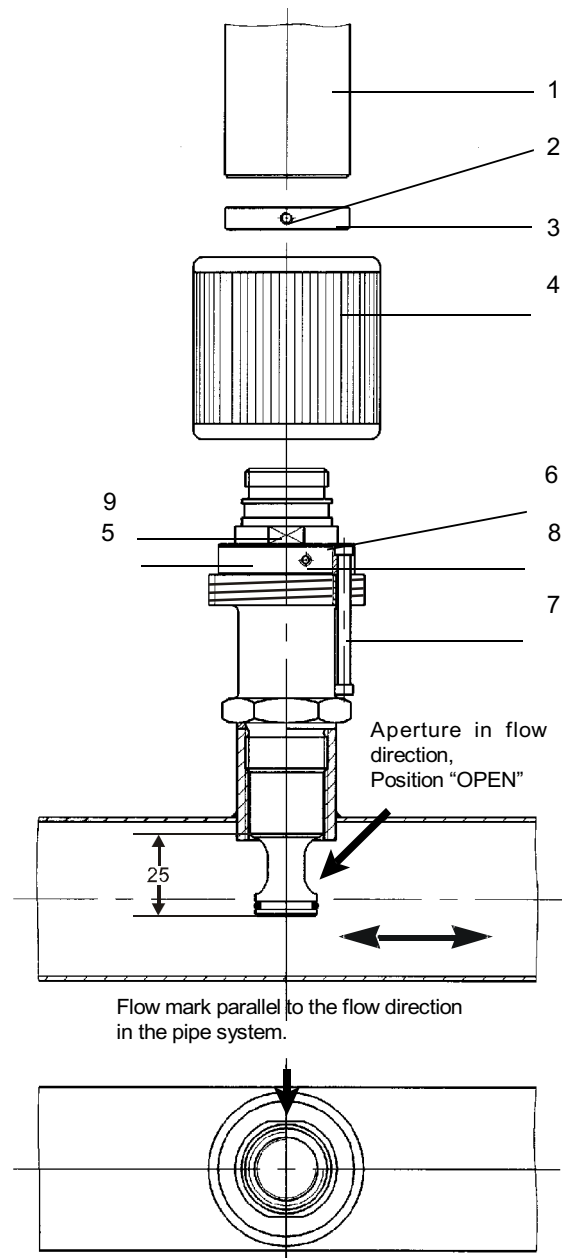
Processing steps

1. Screw-in change fitting WA120 with a 36mm spanner. Use suitable sealing material.

In order to understand the function of the change armature, it is recommended to do the following processing steps on the table before installation.

2. Rotate union-nut (4) to arrow direction "CLOSE" (delivered condition).
3. Unscrew the protection sheath (1).
4. Unscrew the 3 grub screws (2) with the socket head screw turner.
5. Take off the fixing ring (3).
6. Rotate union-nut (4) to arrow direction "CLOSE" until the adjusting ring (5) with the stay washer (6) is visible.
7. Unscrew the 3 grub screws (8) with the socket head screw turner, only one turn each.
8. Align flow mark (9) of the sensor sheath with a 32 mm spanner parallel to the flow direction.
9. Screw in 3 grub screws (8). The adjusting ring (5) must contact the upper position.
10. Screw in the Union-nut (4) until the 3 grub screws (2) of the fixing ring (3) exactly fit in the groove of the sensor sheath.
11. Install the fixing ring (3).
12. Screw-in the 3 grub screws (2).
13. If necessary, connect the earth ground at the fixing ring (3).
14. Rotate the union-nut (4) to arrow direction "CLOSE" again.
15. Place the Protection sheath (1) in a safe storage.

The mounting procedure is finished.



Operating instruction WA 120

Common

For the execution of maintenance and calibration work pH and redox combination electrodes (sensor) must be temporarily changed. The change fitting WA120 makes this possible without process interruption.



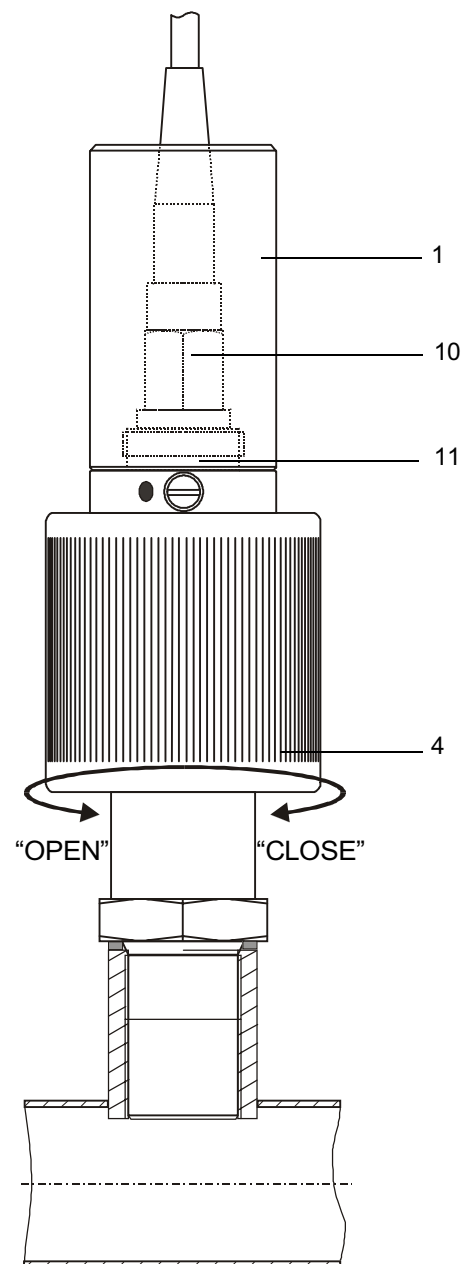
Caution!

The rotation of the union-nut (4) toward "CLOSE" may take place only with inserted pH and redox combination electrode! Otherwise the liquid would flow out by the sensor case of the open change fitting. There is a substantial danger and it may be come to personal injuries.

Processing steps

1. Rotate union-nut (4) to arrow direction "CLOSE" to the stop position. The change fitting is closed to the measuring process.
3. Unscrew Protection sheath (1) and push back on the cable.
4. Disconnect cable plug (10) .
5. Unscrew sensor (11) (PG13,5 thread).
6. Maintenance and calibration is now possible.
7. Check sensor sealing (11) for correct condition. Screw-in sensor again. Look for tighten position.
8. Connect and screw-in cable plug (10).
9. Screw on protection sheath (1).
10. Rotate union-nut (4) to arrow direction "OPEN" to the stop position. The sensor sheath is immersed in the measuring liquid together with the sensor.

The measuring process can be started again.



Order code

WA120 1. 2. 3. - G3/4A - -

1. Model

1 for sensors with mounting length 120mm and diameter 12mm

2. Process contact material

E stainless steel DIN 1.4571

3. Option

00 without option

Following spare parts are included with delivery:

A 2mm socket head screw turner and 2 sealings, one for sensor sheath and one for screw-in fitting.

