

# LK Parallel-connected water meter bracket PWB

## DESIGN

- Controllable check valve.
- Easy to service.
- External and internal connection.

LK PVK is designed for use in tap water, heating and cooling systems. The installation must be carried out in accordance with Industry Regulations *Säker Vatteninstallation (safe water installation)*.

LK PWB is a parallel connected water meter bracket for water meter Q3\_4 with construction length 190-220 mm with connection G25.

LK PWB is available in many different models with variants, for only 190 mm meters and 190-200 mm meters.

By closing the valve before and after a water meter, this can be dismantled while at the same time the flow of water continues through the other meters.

LK PWB is always supplied with a built-in check valve in after the meter. This check valve can be controlled and can be replaced if it breaks.

With LK PWB you may also choose whether incoming water comes from above or below. The same applies after the meters.

The bracket consists of a fixed side and a sliding side, which facilitates the installation of water meters. The meter is first fitted on the sliding side.

LK Spacer 190 mm, which is supplied with all LK PWB, is designed to be permanently fixed to the cold water pipes. The spacer may only be fixed temporarily to hot water pipes.

The brackets and manifolds are made from stainless steel.



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## INSTALLATION

The bracket consists of a fixed side and a sliding side. The meter is first fitted on the sliding side.



**TIP!**

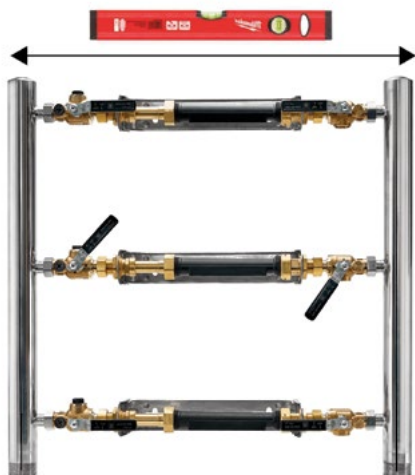
Use the sliding bracket if the wall is uneven to make LK PWB as even as possible to avoid tension.



**NOTE!**

The spacer can be fitted permanently if used for cold tapwater. When using hot tapwater, it may only be fitted temporarily during the construction period.

1. Install the bracket horizontally and straight. Use screws suitable for the wall structure in question.



The picture shows LK PWB with a water meter for horizontal installation.



**NOTE!**

The flow direction must be in accordance with the arrow markings on the valves and brackets.

2. Use the external or internal thread to connect couplings to LK PWB.
3. Adjust the manifolds by turning such that they match the arrow markings on the valves and brackets, depending on whether the water inflow/outflow is from above or below.



The picture shows how a coupling is connected.

4. Install pipe clamps on the pipe directly before and after LK PWB, to avoid loads from external forces.
5. Tighten all nuts before pressure testing.
6. Test the complete assembly with the bracket.
7. Put the assembly in operation.

## OPERATION AND CARE

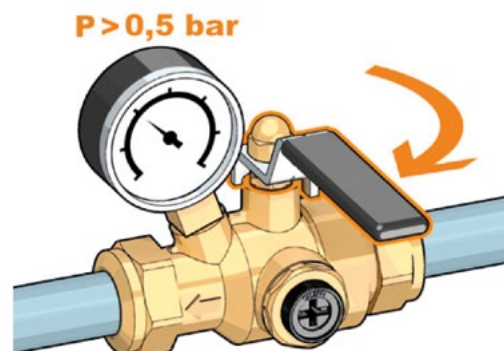
### Regular inspection of the check valve



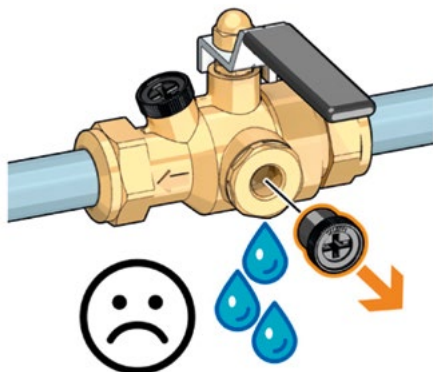
**NOTE!**

The check valve's function and condition must be checked regularly to guarantee good operation.

1. Close the check valve.



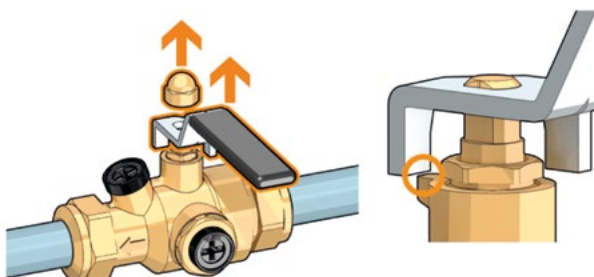
- Loosen the grey plastic plug.



- Check if leaks occur. If the water fails to stop dripping after a few seconds, the check valve is leaking and must be replaced.

#### Replacing the check valve

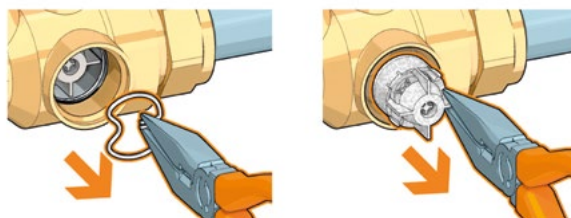
- The check valve is in the closed position. Loosen the nut holding the knob and lift the knob up past the latch.



- Turn the knob counterclockwise 90°.



- Loosen the grey plastic plug.
- Use pliers to remove the locking ring, check valve and O ring. Be sure not to damage them.

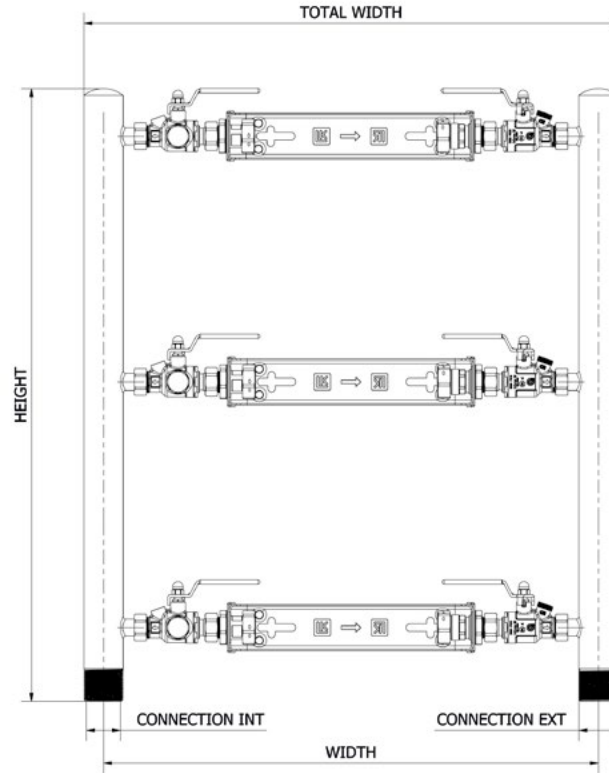


- Perform maintenance.
- Use pliers to replace the locking ring, check valve and O ring. Be sure not to damage them.
- Replace the grey plastic plug.
- Reset the knob to its closed original position and tighten the nut.

#### Temperature and pressure

- Max. temperature: 65°C (Spacer may only be fitted temporarily)
- Max. pressure: PN10

## MEASUREMENT SPECIFICATION



| Article no. | Number of meters | Connection        | Height | Width | Overall width | Wall spacing |
|-------------|------------------|-------------------|--------|-------|---------------|--------------|
| 4648101     | 2                | G25int/<br>G32ext | 445    | 580   | 620           | 92-132mm     |
| 4648102     | 2                | G25int/<br>G32ext | 445    | 610   | 650           | 92-132mm     |
| 4648103     | 3                | G32int/<br>G40ext | 745    | 590   | 635           | 92-132mm     |
| 4648105     | 3                | G32int/<br>G40ext | 745    | 620   | 665           | 92-132mm     |
| 4648106     | 4                | G40int/<br>G50ext | 945    | 600   | 660           | 92-132mm     |
| 4648107     | 4                | G40int/<br>G50ext | 945    | 630   | 690           | 92-132mm     |

## DIMENSIONING

| Article no. | m <sup>3</sup> /h | Number of apart-ments | Number of detached houses |
|-------------|-------------------|-----------------------|---------------------------|
| 4648101     | 3.8-7.5           | 8 - 30                | 7 - 26                    |
| 4648102     | 3.8-7.5           | 8 - 30                | 7 - 26                    |
| 4648103     | 7.5-11            | 31 - 60               | 27 - 50                   |
| 4648105     | 7.5-11            | 31 - 60               | 27 - 50                   |
| 4648106     | 11-15.5           | 61 - 90               | 51 - 80                   |
| 4648107     | 11-15.5           | 61 - 90               | 51 - 80                   |

