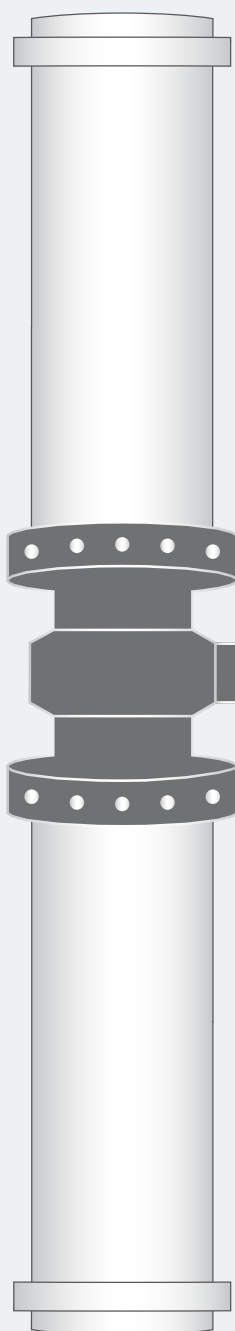


# FLUXUS® WD – The efficient flow monitoring solution

Permanent ultrasonic water flow meter



## Installation process: Magnetic or mechanical flow meter vs. FLUXUS® WD



### Installing a magnetic or mechanical flow meter on a drinking water pipeline

- Inform households and companies of an upcoming water shut-off  
*(Cross your fingers that the area affected is not too big or a bypass is needed)*
- Organize mechanical lifting equipment and several staff members for handling the heavy flow meter  
*(Cross your fingers that you are not understaffed)*

- Shut off water supply  
*(Cross your fingers that there are not many complaints)*
- Cut the pipe and install the flow meter  
*(Cross your fingers that the pipe is not under tension)*
- Flush the pipe  
*(Cross your fingers that the pipe has been cleaned successfully)*
- Restart the water supply  
*(Cross your fingers that there will be no electrode fouling)*

**Overall installation costs:**  
**>>> 1,000 EUR**



### Installing a FLEXIM flow meter on a drinking water pipeline

- Clamp-on the flow meter  
*(Smile because it's from FLEXIM and works)*

**Overall installation costs:**  
**< 1,000 EUR**



## The cumbersome process of installing conventional flow meters

For the installation of a magnetic or mechanical flow meter the water supply has to be interrupted. This cannot be done without informing affected customers in advance, which consumes both time and money. But even if customers are informed beforehand shutting of the water supply remains an annoyance for them and reduces customer satisfaction. In some cases a supply interruption will not be acceptable, for example if a hospital or an industrial complex is located within the shut-off area. Then it will be necessary for the water supplier to ensure an alternative water supply, e.g. by creating a temporary bypass. This leads to further considerable costs.

Due to the weight of conventional flow meters it is necessary to have lifting equipment and several staff members during the installation. Special tools and trained personnel are also required for cutting the pipe. Finally, the pipe needs to be flushed, because dirt and pipe material can have entered the pipe during the installation process. All this results in high personnel and equipment costs associated with the installation.

## The efficiency of installing a FLEXIM flow meter

The clamp-on ultrasound flow meters of the WD series are installed without supply interruption, just like every other FLEXIM flow meter. There is no interference with the pipe during the installation process, no lifting or cutting tools are required, and the installation can be done single-handedly.

The overall installation costs of a FLEXIM flow meter are therefore only a fraction of the installation costs of a conventional flow meter. Once the FLEXIM meter is installed it remains permanently drift-free and keeps delivering excellent measurement results, thanks to its outstanding engineering and highly advanced signal evaluation algorithms. For more technical details please see the product brochure of the FLUXUS® WD.

