

How to proceed with the installation:

- (1) Locate an optimum position on the pipe, which has to be in good condition (no rust)
- (2) Clean and dust the pipe surface.
- (3) Apply adequate coupler on the spot where the trasducers have to be installed and leave no gap between the pipe surface and the trasducers.

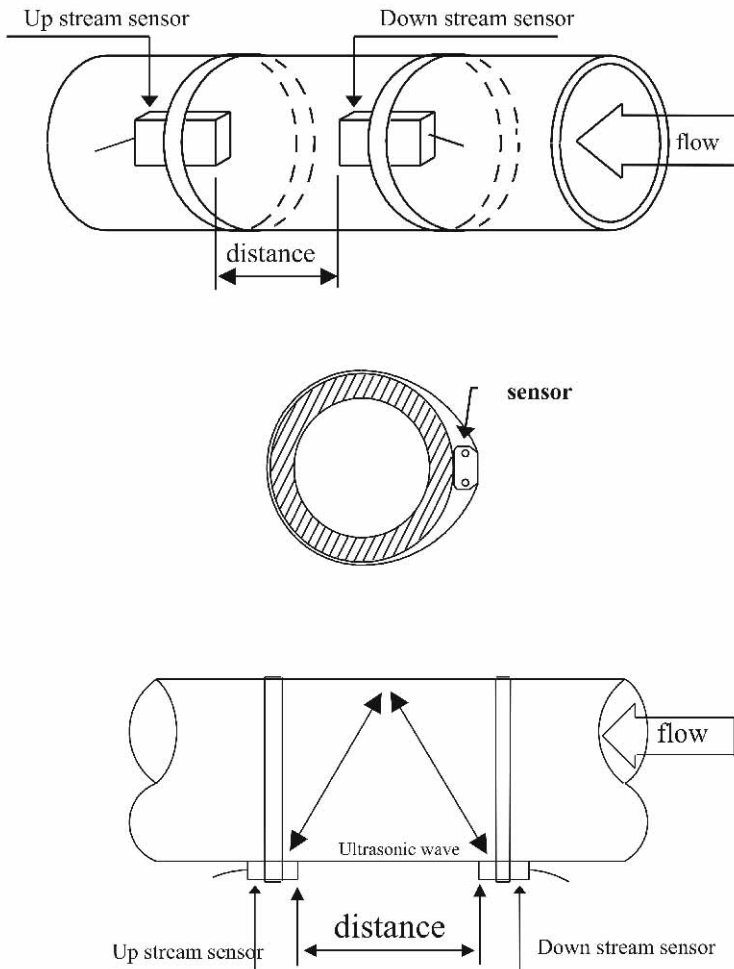
To avoid gas bubbles (gas fase) inside the upper part of the pipe, the trasducers should be installed horizontally by the side of the pipe.

3.3 Trasducers spacing

The spacing value shown in menu M25 refers to inner distance between the two trasducers. The actual trasducers spacing should be as close as possible to the spacing value. (see figures on next page).

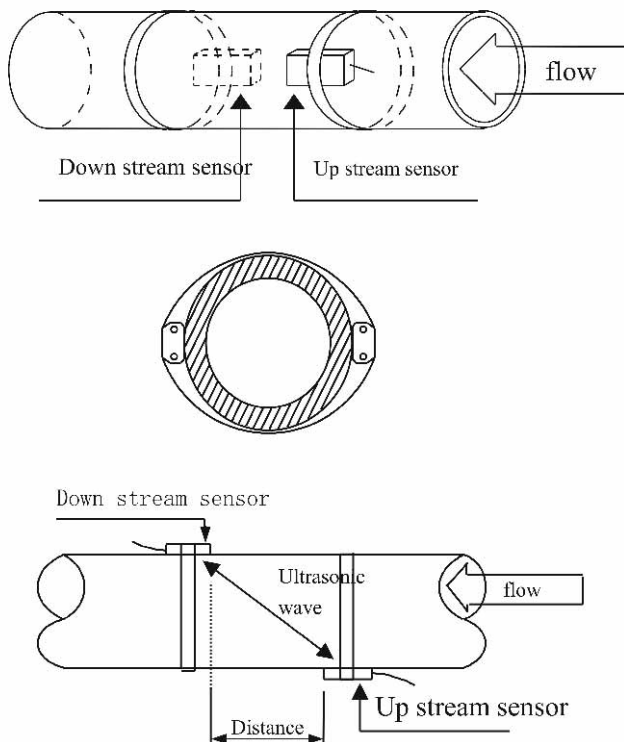
3.4 V method installation

It is the most common used method for pipe with inner diameters ranging from 20 to 300 millimeters.



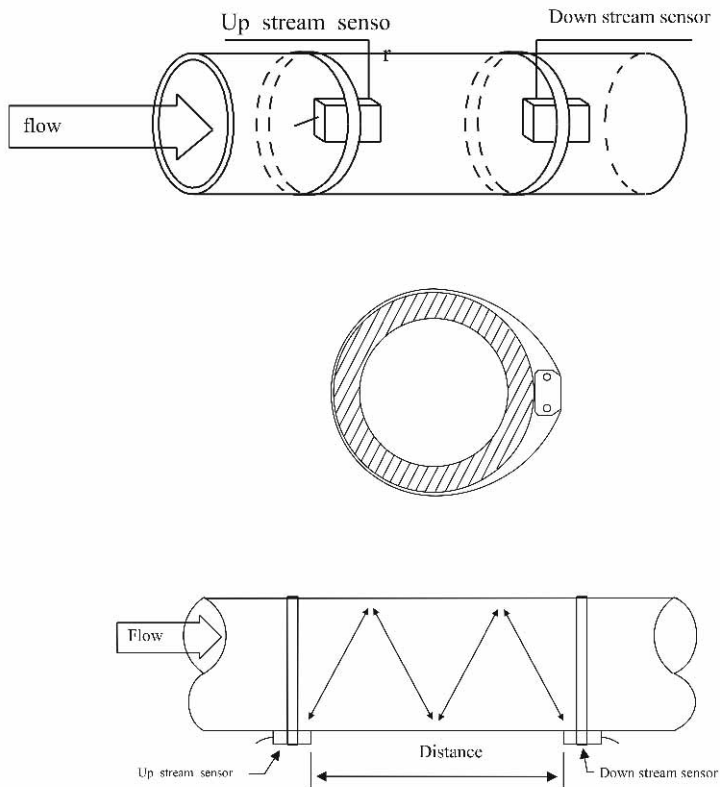
3.2.3 Z method installation

It is commonly used when the pipe diameter is between 300 and 500 millimeters.



3.2.4 W method installation

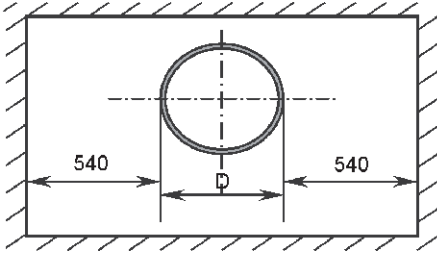
It is usually used on plastic pipes with a diameter from 10 to 100 millimeters.



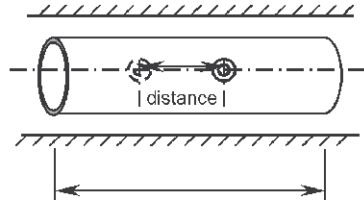
3.2.6 Insert sensor installation

Steps for a correct installation:

- 1- If the pipe is placed inside the wall, check that there's sufficient space for the mounting of the insertion sensor (min. distance between the wall and the pipe = 540mm)



Pipe length : $L > (D+100)$ mm



- 2- Procure a drilling tool
- 3- Enter pipe parameter (in menu M23 choose option 5. "insertion B sensor" - in menu M24 choose 1. "Z method" - in menu M25 input installation distance)
- 4- Choose the right position and calculate the distance
- 5- Install the ball valve

