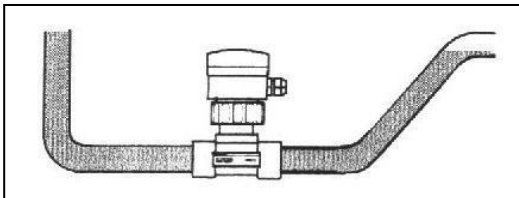


2.2 Installing the sensor (8020, 8030, 8040)

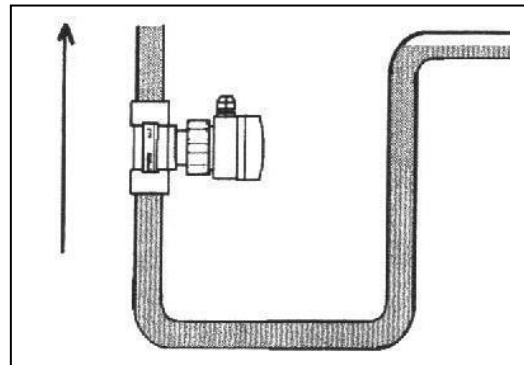
The sensor must be installed on a straight run of pipe. Installation just before or just after a bend, T-piece, any widening or narrowing or a valve will affect the accuracy of the measurement. The sensor must always be in the liquid. It is therefore important to ensure that air cannot accumulate around the sensor. The Bürkert 8020 must always be installed after the filter because it has a paddle wheel in the pipe. This could jam if there is any contamination in the water. The 8040 and SN10350 are suitable for use in slightly contaminated water, since they do not have any moving parts in the pipe. **Important:** The 8040 and SN10350 sensors require an acclimatization time of 12 hours. Only after 12 hours the measurement is completely reliable.

The illustrations below show how to mount the sensor.

Horizontal attachment

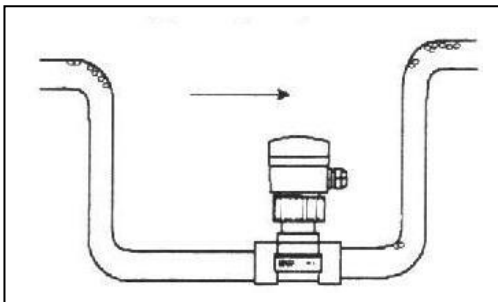


Vertical attachment

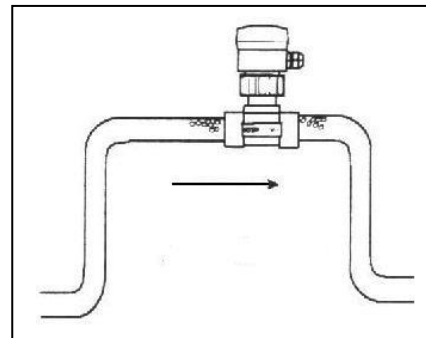


If the sensor is attached vertically, the flow direction must always be upward.

correct

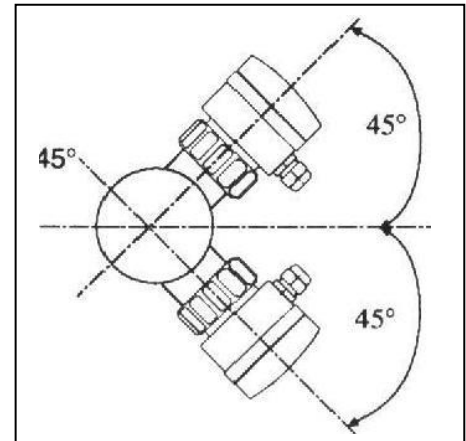


incorrect



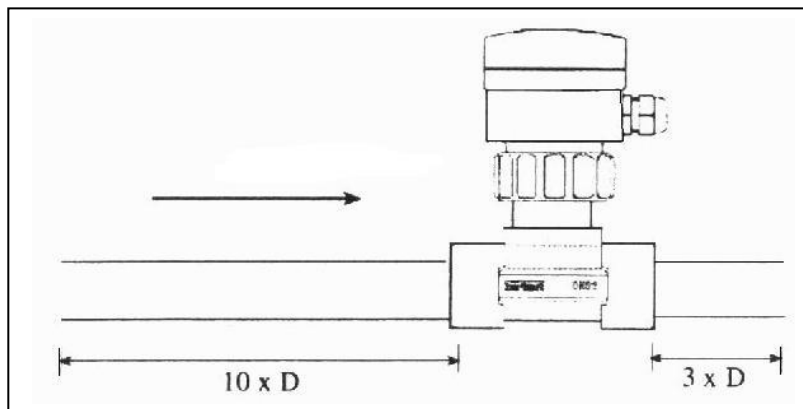
Always place the sensor below the water level where no air bubbles can form.

We recommend that you attach the sensor at an angle of 45° to the horizontal centre line of the pipe. See illustration, right.



Recommended length of straight run of pipe before and after sensor:

Before	10 x inside diameter of pipe
After	3 x inside diameter of pipe



IMPORTANT!

Do not dispense/inject aggressive substances just before the sensor. Chlorine and acid should be dispensed well before – or preferably after - the sensor.