

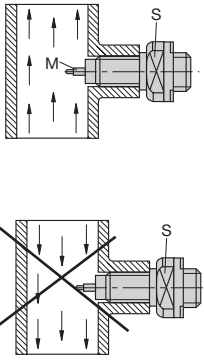
Monitoring head installation for Mass Flow Meters

For best performance heads monitoring liquid media should be installed in the pipeline in accordance with the following conditions:

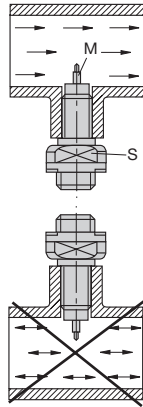
- In the case of vertical pipelines the monitoring head should be installed where the flow is rising, if possible.
- For horizontal pipelines the monitoring head should be mounted on the underside of the line (suspended).
- The monitoring head should be installed only in a straight section of piping. There should be a distance of at least 20 pipe diameters before the monitoring head and 5 pipe diameters after the monitoring head before or after any bends and changes in pipe diameter, to avoid the effects of any turbulence conditions that they may cause.

- Avoid installing either the monitoring head or control unit in known areas of high electrical inductance, capacitance, or high-frequency electromagnetic fields.
- The surface of the shaft end must not be recessed below the inner pipe wall. Preferably the shaft surface of the CST monitoring head should project approx. 1-2 mm towards the pipe centre.
- If the medium to be monitored is a gas, the mounting attitude of the monitoring head in either vertical or horizontal pipelines is unimportant.

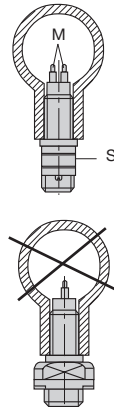
Vertical pipelines:
Medium should be rising.



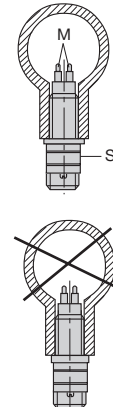
Horizontal pipelines:
Monitoring head should be mounted on the underside.



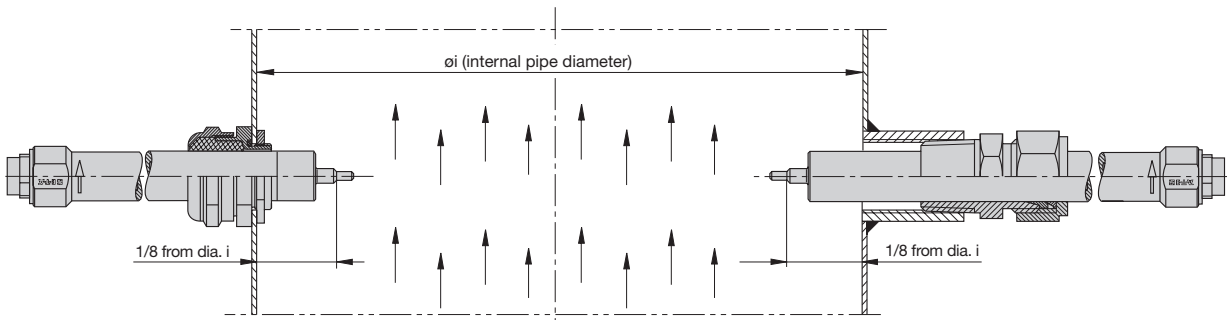
The two sensors must be side by side across the direction of flow.



The surface of the shaft end should project into the inner pipe wall (approx. 1-2 mm/.039-.079 in.).



Monitoring head CSF-... variable immersion depth



Installation distances (examples)

