

### Connection kit for flow sensor type MFS

### MTS-F2/F3/F4

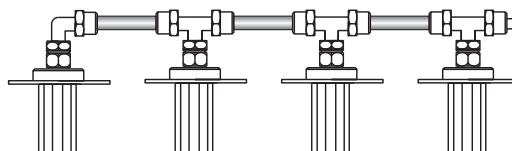
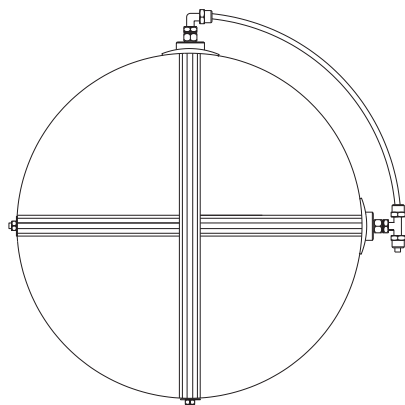
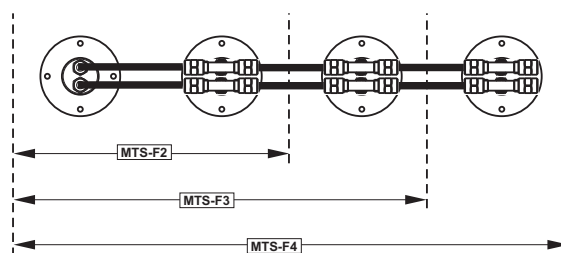
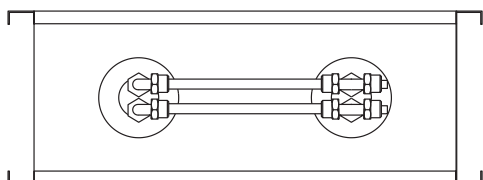
Instruction : Mi-257gb\_100420

#### Application

The MTS-F connection kit is used for connecting two (-F2), three (-F3) or four (-F4) mounted MFS flow sensors on the duct to achieve a good averaging measuring value.

#### MFS sensor with standard 8/6 tube fittings

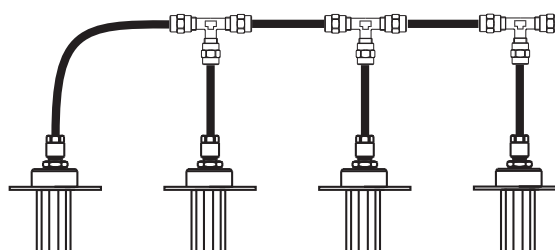
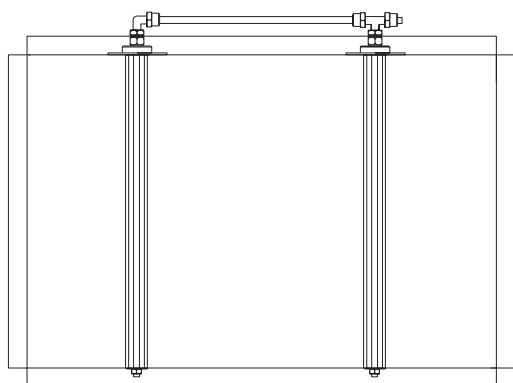
MTS-F kit is installed by replacing the elbow fittings on all except one sensor with T-connections. The pressure connection between each sensor is done with attached plastic HT-tube 8/6.



#### MFS sensor with high temperature pipe fittings

For connecting flow sensors with high temperature pipe fittings the connection must be done using T-connections and metal pipe according to figure below.

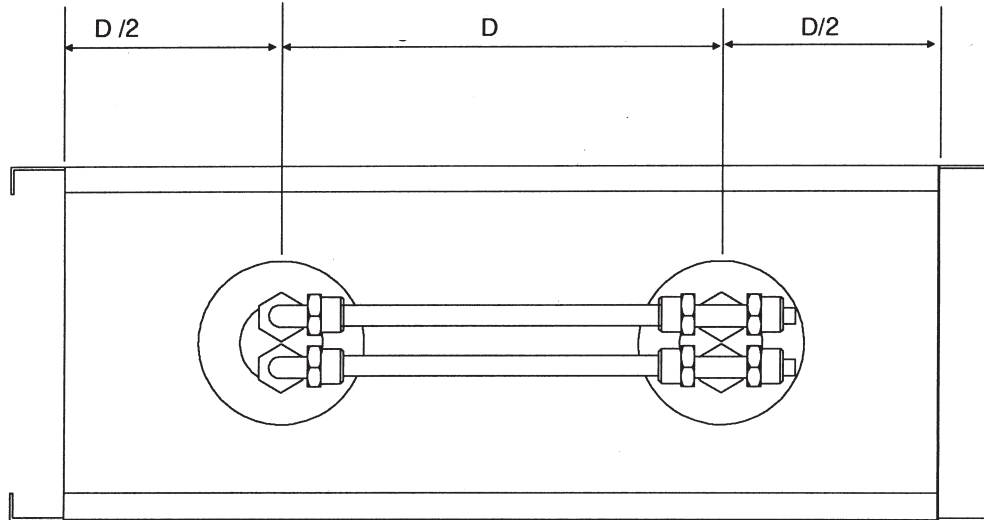
Micatrone can supply T-connections in nickel plated brass for  $\varnothing$  6 mm pipe. Pipe is not included.



## Installation in rectangular duct

If one sensor should be mounted it should be placed as close to the centre of the duct as possible. If two or more sensors are to be connected, the pressure connections of all sensors except one must be changed to T-shape connections. Connect the sensors with 8/6 mm HT plastic tube.

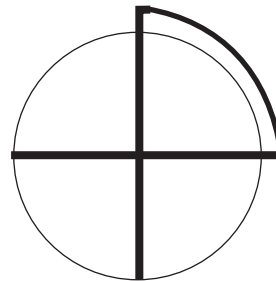
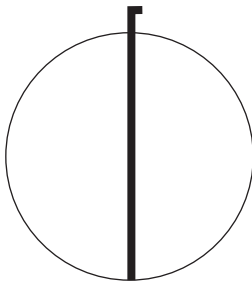
Determine the hole pitch, marked D, by dividing the width of the rectangular duct with the number of sensors to be installed. Mount the sensors according to figure below.



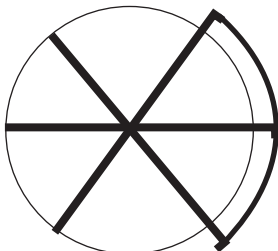
## Installation in circular duct

With one sensor in a circular duct, the sensor must be mounted vertically in the duct.

With two sensors in a circular duct, one sensor must be mounted vertically and the other horizontally.

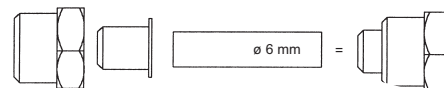


With three sensors in a circular duct, the duct is split into six parts with an angle of 60° between.



## Temporary measurement

If the sensor should be used for temporary measurement the connections must be plugged to prevent dirt from entering the sensors and air-leakage when not in use.



Press the attached plastic plugs into the nut with a  $\varnothing$  6 mm drift.

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