

Generally, the thermal dispersion flow switch is shipped with the unit as a loose part. To mount the IFM thermal dispersion switch, use the following guidelines:

- Use a pipe coupling to mount the thermal dispersion flow switch. See Figure 18 on page 49. The length of the pipe coupling must be suitable to ensure that the insertion depth of the sensor is at least 12 mm.
- Mount the thermal dispersion flow switch in horizontal pipes from the side. If it has to be mounted in vertical pipes, mount the switch in the rising pipes.
- Mount the thermal dispersion flow switch on the top of the horizontal pipes only if the pipe is fully filled with liquid. Mount the thermal dispersion flow switch on the bottom of the horizontal pipes only if the pipe is free from buildup.
- Ensure that the sensor tip does not contact the pipe wall. Do not mount it in a downpipe, in which the liquid flows downwards.
- Avoid turbulence of the liquid resulting from bends, valves, reducers, and other pipe fittings. Ensure that the distance from the potential turbulence upstream or downstream of the sensor location is at least 5 times of the pipe diameter.
- Connect the control monitor with the flow sensor directly. No extension cable between them is allowed.