

Installation

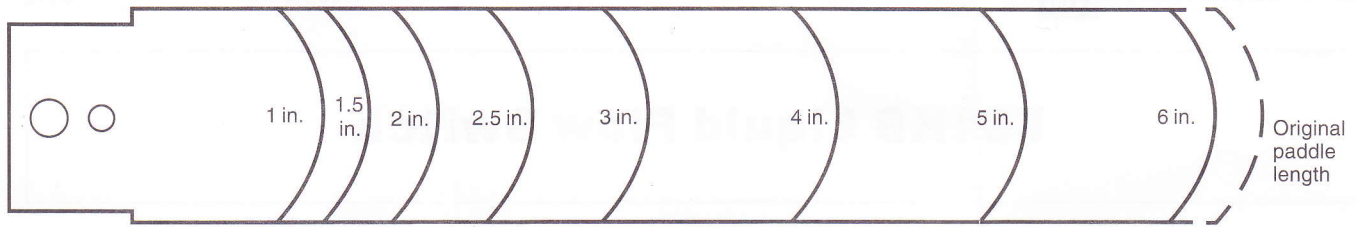


Figure 3: Trimming Template for the Extra Paddle

IMPORTANT: To allow the switch to detect changes in the flow condition, the paddle must not touch the pipe or any restrictions in the pipe.

- The F61 comes with a 3-piece paddle (1 in., 2 in. and 3 in. segments) installed. Each piece is removable. Adjust the paddle to the size of the pipe in which it will be installed. For 1 in., 2 in. or 3 in. pipe, use the paddle segments as supplied.
- Mount the F61 in a section of pipe where there is a straight run of at least five pipe diameters on each side of the flow switch.

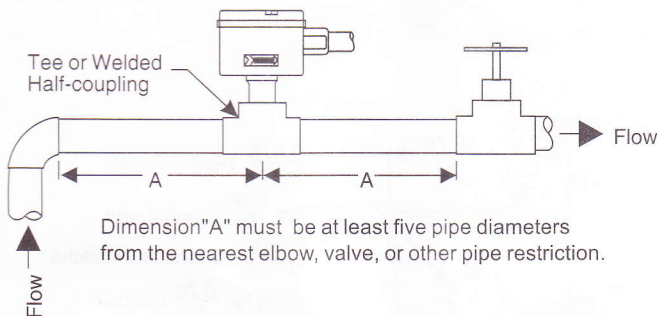


Figure 4: Typical Installation

- The switch should be mounted so the terminals or wire leads are easily accessible for wiring.

Note: These flow switches must not be subjected to water hammer. If a fast-closing valve is located downstream of the flow switch, a suitable water hammer arrester must be used.

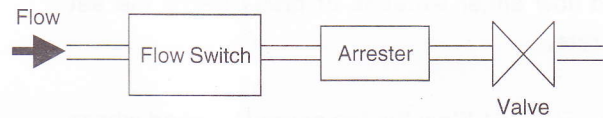


Figure 5: Arrester Location Schematic

- Mount the flow switch in a standard 1 in.x1 in.x1 in. tee for 1 in. pipe installation. Use a reducing tee for larger size of pipe to keep the flow switch close to the pipe and provide adequate paddle length in the flow stream.



CAUTION: Equipment damage hazard.

To avoid damaging the switch, do not tighten the switch to the tee by grasping the switch enclosure. Use only the wrench flats provided.

- Screw the flow switch in position so the flat of the paddle is at a right angle to the flow. The arrow on the side of the case must point in direction of the flow.
- The F61 Flow Switch may be mounted in a horizontal pipe line or a vertical pipe line with upward liquid flow. It is not recommended for installations where flow is downward. When mounted in a vertical pipe line with upward flow, the switch will trip at a slightly higher flow than shown in Table 1 due to the effect of gravity on the switch mechanism.