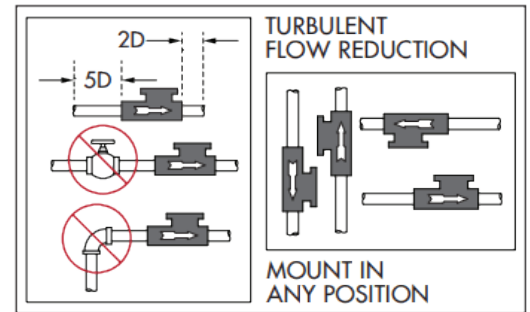


# INSTALLATION AND OPERATING INSTRUCTIONS

## FLOW SWITCH MODEL FS

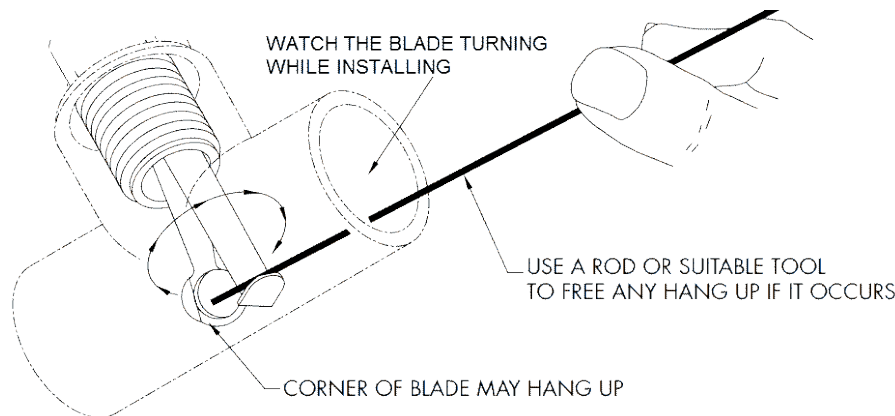
### INSTALLATION:

- 1) Remove unit from shipping box and inspect for possible damage, e.g. cracks, damaged threads, deformed bending beam, etc.
- 2) Check model number on label with that shown on packing list vs. configuration actually received (return to supplier if discrepancy is found).
- 3) Place a multimeter or equivalent test meter (times 1 resistance scale) across the two wire leads coming from the unit and check for proper switch operation by gently moving bending beam and magnetic assembly toward switch support tube. Switch should activate when separation is in the range 1/8" to 3/16".
- 4) Flow switch is to be installed in a piping location where flow turbulence is minimal (see diagram).
- 5) If no discrepancy is found thread unit into appropriate tee.
- 6) Care must be exercised during threading operation to insure threads are not crossed and the bending beam assembly does not touch inside surface of tee. Note: It may be necessary to test fit the unit in a tee identical to the tee mounted in the flow line to insure adequate clearance during rotational insertion sequence. For black iron and galvanized tees check for possible hang up of bending beam due to attraction of magnet to interior metal wall.
- 7) Tighten unit in tee until fluid leaks are eliminated, flow target is approximately centered along axis of pipe and flow direction arrows located on unit are aligned parallel with flow in pipe.
- 8) Complete wiring to signal processor, light, relay, etc. per local code.



### CAUTION

#### INSTALLATION OR REMOVAL OF FLOW SWITCH FROM SMALL TEE.



#### WIRING DIAGRAM 4 CONDUCTOR CABLE

