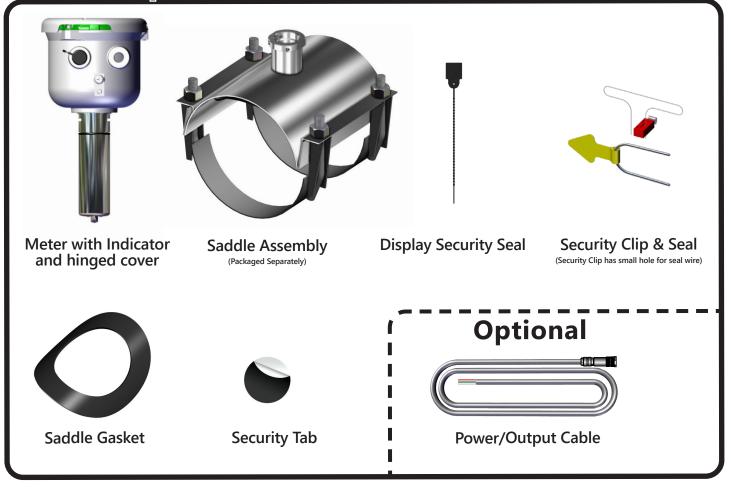


# AG90 Propeller Replacement Quick Start Guide

# **Check Components**



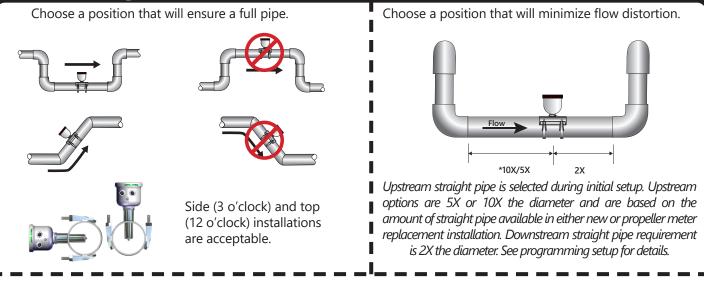
# **Recommended Tools**

#### **Recommended:**

- 3/32" or 2.5mm (small) flat head screw driver
- Crescent wrench
- 1/4" flat head screw driver



# Positioning



Flow Straightening Vanes/Conditioners

- 1. If you have the bolt-in, 3-vane style they may be removed or left in place. They do not affect performance.
- 2. If you have the 6-vane, bolt-in style with a cone, it should be removed.
- 3. For 6-vane, weld-in style installed in a spool, turn the spool 180° and reinstall with the vanes behind the meter.
- 4. Orifice, tube or Vortab style conditioners will not affect performance.

#### **BEFORE INSTALLING** measure & record inside diameter (ID) of pipe.

1. Clean the mounting surface, removing any roughness which would prevent the gasket from sealing. Place gasket centered over pipe opening.



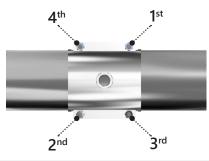
4. Place the saddle clamps under the pipe and align with the clamp guides on the saddle top.



2. Place saddle top over gasket.



5. Place saddle plates over saddle clamp threads. Attach nuts and tighten as shown below. Torque to 75 ft-lb in cross pattern.



3. Make sure saddle top covers entire gasket.



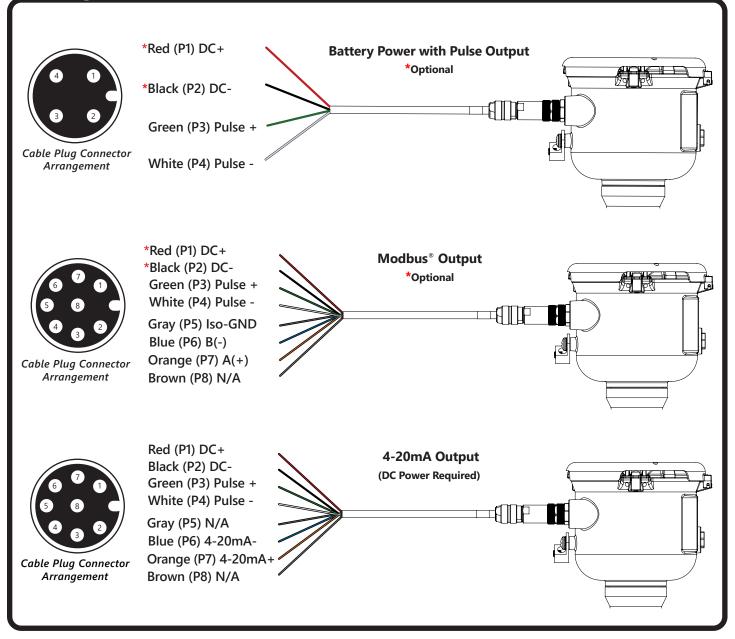
6. Insert the AG90 sensor into the saddle fitting and secure with mounting clip or attach security clip and seals if required.





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## Wiring



### Warnings Refer to instruction manual for further details.

- Confirm that U-clip retainer is installed and never remove the U-clip retainer when pipe is under pressure—may result in serious injury.
- Saddle bolts must be tightened evenly. Do not over tighten.
- Install security seals during installation if regulations require.
- Ensure proper grounding when required.

- Programming pipe ID, pipe insertion hole size and straight pipe configuration is required for the meter to read.
- To prevent tampering or changes to the program, after initial set-up, either enter a security pass-code, or remove the display lid and place a security tab over one of the arrows before installing the housing security seal.



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