

## FREQUENTLY ASKED QUESTIONS

**Q** Does the **AQUAsonic** Saddle read through the pipe?

**A** No, a hole is drilled into the pipe, so the **AQUAsonic** insert can extend into the fluid.

**Q** Can the **AQUAsonic** accurately read any type of fluid?

**A** No, it is for water applications **ONLY**.

**Q** Can the **AQUAsonic** meter be damaged by debris or air?

**A** No, the **AQUAsonic** meter has no moving parts that can be damaged.

**Q** How long will the battery last in the **AQUAsonic** meter?

**A** Two years, average

**Q** Can I get a pulse output or a 4-20 mA output from the **AQUAsonic** meter?

**A** Not from the Battery-Powered model, but we will be releasing the next version of the **AQUAsonic** meter very soon that will be able to supply both outputs.

**Q** Why does the **AQUAsonic** meter need to be installed at an angle?

**A** Air will block an ultrasonic signal. If air is present in the line, it will travel along the top of the pipe. When the **AQUAsonic** is installed at an angle, this keeps the air away from the transducers, so the signal is not blocked.

**Q** Am I required to have straight pipe installed both in front and behind the **AQUAsonic** meter?

**A** Yes, you want to take the diameter of the meter 10X on the inlet and 5X on the outlet. For a 1-inch meter this would be 10-inches of straight 1-inch pipe going in and 5-inches of straight 1-inch pipe coming out. If you cannot do this you can still install the meter but the accuracy will be affected.

## FAQS CONTINUED

**Q** Why do you have PVC tees for the smaller sizes and saddles for the larger sizes?

**A** This is the most economical way to offer the **AQUAsonic** meter. PVC tees are not too expensive for smaller pipe sizes but can be very expensing once the pipe size gets over 4-inch. What is more, installing a larger PVC tee is a particularly challenging process.

**Q** Can the **AQUAsonic** meter be out in the elements?

**A** Yes, it has an **IP67** rating. This means it is dust tight and is protected against immersion in 1 meter of water for 30 minutes.

**Q** What is Ultrasonic Transit Time technology?

**A** Ultrasonic flow meters are based on the principle that the time an acoustic signal takes to travel a known path is altered by the fluid velocity. The acoustic signal sent upstream travels slower than a signal sent downstream. A comparison is made of upstream and downstream time measurements to determine the fluids velocity.

**Q** Does the **AQUAsonic** meter give you both totals and rate of flow?

**A** The **AQUAsonic** meter will provide Accumulative Total, a Resettable Batch Total, and Rate of Flow. You can switch between these different options with a simple push of a button.

**Q** My **AQUAsonic** display reads in Gallons. Can I change it to read in Liters?

**A** Yes, the display can easily be changed in the field by the user to Gallons, Imperial Gallons, Acre-Foot, Quart, Ounce, Liter, Millilitre, Cubic Metre, Cubic Centimetre, Cubic Foot, Barrel, or Custom (set by user).