

Badger® Model IR220P	PVC Irrigation Flow Sensor	Sample Specifications
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The flow sensor shall be an in-line type with a non-magnetic, spinning impeller (paddle wheel) as the only moving part. The electronics housing shall be glass-filled PPS. The impeller shall be glass-filled nylon or Tefzel® with a UHMWPE or Tefzel sleeve bearing. The shaft material shall be tungsten carbide. The electronics housing shall have two ethylene-propylene O-Rings and shall be easily removed from the meter body. The sensor electronics will be potted in an epoxy compound designed for prolonged immersion. Electrical connections shall be 2 single conductor 18 AWG leads 48 inches long. Insulation shall be direct burial "UF" type colored red for the positive lead and black for the negative lead. The sensor shall operate in line pressures up to 100 psi and liquid temperatures up to 140° F, and operate in flows of 1 foot per second to 20 feet per second with linearity of ± 1% and repeatability of ± 1%. The meter body shall be fabricated from Schedule 80 PVC Tees, available in 1 1/2", 2", 3, and 4" with socket end connections. This flow sensor shall be Badger Model IR-220P.

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