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**FOR IMMEDIATE RELEASE**

**UNIVERSAL FLOW MONITORS OFFERS PLASTIC-CONSTRUCTION FLOW RATE TRANSMITTERS FOR COST-EFFECTIVENESS**

Universal Flow Monitors, Inc. announces plastic, vortex-shedding flow rate transmitters for cost-effectiveness in processing water, brine and corrosive fluids in water treatment, chemical and desalination applications.

The P420 Series of plastic flowmeters meets requirements for an inexpensive flow rate transmitter without moving parts that can stick, bind or coat when processing water, brine, corrosive fluids and low-viscosity fluids to 4.5 Cp or 50 SUS.

P420 Series flow rate transmitters include models with wetted parts entirely of PVC (polyvinyl chloride) or CPVC (chlorinated polyvinyl chloride) for greater heat resistance. They are electronic instruments designed to transmit low-viscosity liquids compatible with PVC/CPVC, including liquids that may contain particles.



Universal Flow Monitors offers both PVC and CPVC units in six pipe diameters providing full-scale flow rates from 6 to 200 gallons per minute (2.27 to 750 liters per minute) with 10:1 turndown. The pipe sizes with their flow rates are 3/8 inch (6 GPM, 22.7 LPM), 1/2 inch ( 12 GPM, 45

LPM), 3/4 inch (25 GPM, 95 LPM), 1 inch (50 GPM, 190 LPM), 1-1/2 inches (100 GPM, 380 LPM) and 2 inches (200 GPM, 750 LPM).

The P420 models with CPVC body, sensor and bluff can transmit hot water or other fluid with maximum operating temperature of 180 degrees F, compared to maximum 140 degrees F with PVC units. CPVC transmitters can accommodate higher maximum operating pressures than PVC units at temperatures of 80 to 180 degrees F.

P420 Series flow rate transmitters from Universal Flow Monitors are offered at the same low cost as paddlewheel meters without the added costs of periodic replacement of paddlewheels. The models with PVC parts start at \$325 (U.S.) list price. CPVC models with chlorinated parts for higher heat resistance are priced 30 percent to 50 percent higher, depending on pipe size.

P420 vortex shedding flow rate transmitters have no o-ring seals. Connection is made by either solvent welding the PVC or CPVC pipe into the socket port provided or by NPT threaded connection.

Electronic output is from a 4-20 mA two-wire transmitter rated Intrinsically Safe when used with barriers. The electronics package is totally potted and not vulnerable to shorting, corrosion, leaks, humidity or condensate from conduits or thermal cycling.

Product literature for the P420 flow rate transmitter is available on the Universal Flow Monitors website, [www.flowmeters.com](http://www.flowmeters.com), by scrolling to "Plastic Flow Rate Meter" on the homepage.

Universal Flow Monitors, Inc., located in Hazel Park, Michigan, has manufactured flow meters for a variety of industries for more than 20 years. The company can be reached at (248) 542-9635 or by email at [ufm@flowmeters.com](mailto:ufm@flowmeters.com).