max

Innovative flow measurement solutions

LOW FLOW P.D. METER PROVIDES VERIFICATION OF ANTISCALANT ADDITION TO REVERSE OSMOSIS PROCESS

Max Machinery, Inc. announces the successful application of the Model 234 Positive Displacement Flow Meter in metering antiscalant liquids in the Reverse Osmosis, water desalinization process. With the R.O. membranes making up as much as 40% of the R.O. plants original construction cost, their proper maintenance is a primary concern. Through the use of small doses of antiscalant chemicals, mineral scale formation is inhibited in the process and on the membranes. Monitoring of this additive is crucial. Inadequate dosing can cause the fine membranes to become irreparably clogged in as little as 48 hours.

The Model 234, piston-type positive displacement flow meter offers a drift free K-factor, high repeatability (0.1%) and direct measurement of the antiscalant liquid's flow. No longer are you dependent on indirect measures of flow such as pump speed or stroke count. The Model 234 provides an accuracy of ± 0.5% of reading over a 200:1 turndown making it ideal for measuring the low flow rates of antiscalant which are needed to protect the R.O. membranes. The meter is rugged, dependable and not affected by changes in the fluid viscosity or flow profile. Even pulsating flow streams can be accurately measured.

When combined with *Max Machinery's* own line of electronic indicators, the Model 234 can be used to provide no-flow alarms, flow rate and totalization information as well as analog or pulse outputs for maintenance documentation.

Max Machinery, Inc.
www.maxmachinery.com

33A Healdsburg Ave.
Healdsburg, CA 95448

T +1 707.433.2662
F +1 707.433.1818

KUBE ENGINEERING
www.kubeengineering.com
Quinn Eddins
Phone: (951)-926-0675