

CUSTOM MODIFICATIONS
OMEGA® Passes the Acid Test!

CUSTOM ENGINEERING LEVEL I



\$363

\$288

OMEGA® FL-75, a High Flow Rate Rotameter (Above Left) and OMEGA® FP-5300 Paddlewheel Sensor (Above Right) Are Both Modified With Corrosion Resistant Wetted Parts. The DPF402 Ratemeter Controller Is a Standard, New, High Performance Meter.



A CASE IN POINT

A German chemical plant is refurbishing its hydrochloric acid operations and requires a number of rotameters for local flow rate indication. Also required are flow transducers to send a signal to a remote batch controller to indicate flow rate and control batching operations.

PROBLEM

The hydrochloric acid is highly corrosive to many metals, particularly stainless steel. All-plastic construction is required.

OMEGA® SOLUTION

A modified OMEGA® FL-75, a high flow-rate acrylic tube rotameter is made by replacing the 316 SS internals with a polysulfone guide rod and a PFA float. A modified OMEGA® FP-5300 paddlewheel flow sensor is also used, after the titanium rotor pin is replaced with a PVDF pin. The low level frequency output signal from the FP-5300 is transmitted directly to an OMEGA® DPF402 ratemeter/totalizer/ batch controller. No additional signal conditioning is required.

Customer orders 72 rotameters at \$363 each, 10 FP-5300-AP paddlewheel flowmeters at \$288 each, 10 FP-5305 1/2" installation fittings at \$149 each, and 10 DPF402 batch controllers at \$470 each.



\$470

... If You Don't See What You're Looking For, Ask Us!



Refractory Metal Sensor in Evacuated Ceramic Sheath Is Sealed Internally from Outside Air **\$305**



Ceramic Coatings Provide High Temperature Chemical/Abrasion Resistance **\$250**



Profile Probes Facilitate Temperature Measurement at Various Points in an Oven **From \$250**