

# 28 flowmeters

■ featured columnist

## Dramatic changes ahead for vortex flowmeter market

Dramatic changes are occurring in the vortex flowmeter market as worldwide vortex flowmeter sales are projected to increase at a compound annual growth rate (CAGR) of 6.4 percent through 2010. In 2005, the vortex flowmeter market totaled \$176 million. In 2010, that number is expected to reach \$240 million.

One of the most dramatic changes in the vortex flowmeter market is the current formulation by the American Petroleum Institute (API) of standards for vortex flowmeters in custody transfer applications. These standards respond to the expressed needs of both manufacturers and end users of vortex flowmeters, and apply to both liquid and gas applications.

If approved, these standards are likely to have a very positive impact on the market.

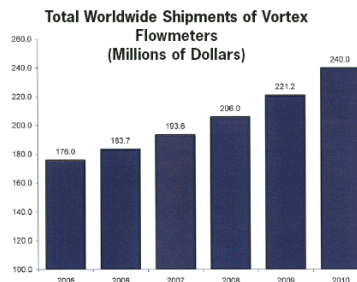
The past five years have seen major product enhancements to vortex flowmeters. Suppliers have responded to vibration issues by implementing software and electronics, including digital signal processing, which reduce the susceptibility of vortex meters to interference from vibration. Some manufacturers have introduced reducer vortex flowmeters, which have a reduced diameter in the center of the pipe. This not only simplifies vortex flowmeter installation, but also improves the ability of vortex flowmeters to accurately measure fluids at low flowrates. The growing availability of multivariable vortex flowmeters is also helping boost sales of vortex flowmeters, with more manufacturers entering the market.

I have not seen a time in the past 12 years when conditions were so favorable for the vortex flowmeter market. The formulation of standards, together with product improvements, are giving companies more and better reasons to buy vortex flowmeters. In addition, end users are becoming more familiar with the technology. This is a time of dramatic change in the vortex flowmeter market."

Dr. Jesse Yoder is President of Flow Research, Inc. ([www.flowresearch.com](http://www.flowresearch.com)), a company which specializes in providing market data and strategies on flow, pressure and temperature products. Flow Research recently released its latest 400-page study on "The World Market for Vortex Flowmeters, 3rd Edition."



**Dr. Jesse Yoder**  
President,  
Flow Research, Inc.



Now You Have a **Choice**

Low up front pump pricing with extremely high-priced replacement parts can wreak havoc on your bottom line. **NOW YOU HAVE A CHOICE.** Titan offers low cost replacement parts that are interchangeable with the seepex® BN series.

- Close-coupled drive configuration
- Long lead rotor/stator geometry
- Ready for immediate shipment
- Manufactured in U.S.A.

800-854-1879  
[www.tarby.com](http://www.tarby.com)

TITAN®

Progressing Cavity Pumps & Parts

\* seepex® is a registered trademark of seepex GmbH + Co KG. Titan® is not a distributor or manufacturer for seepex®.

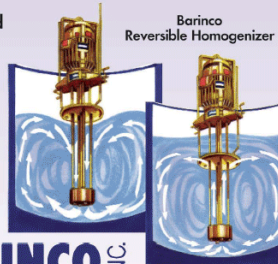
Circle 263

## Maximum Shear Rates For finer droplet and particle size distribution.

One mixer lets you control shear rate by adjusting the rotor/stator gap in-the-tank.

Upward and downward flow choices ensure emulsification of immiscible liquids and wetting out and dispersion of powders.

Deaerate viscous gels in an atmospheric, open-top vessel.



**ARDE BARINCO INC.**  
500 Walnut Street • Norwood, NJ 07648  
(800) 909-6070 • fax (201) 784-9710  
[abmixer@optonline.net](mailto:abmixer@optonline.net) • [www.abmixer.com](http://www.abmixer.com)

Circle 264

## Stainless Steel Compression Fittings & Check Valves

For over fifty years, Jaeco Grip-Seal® compression fittings and Jaeco Poppet and Ball check valves have been solving problems for many of the world's largest companies.

Available in a wide range of sizes for both IPS Pipe and OD Tubing Grip-Seal fittings are quickly installed, reusable, and require no open flame or special tools. Great for emergency repairs.

Jaeco O Ring Poppet and Ball check valves are available in a full range of sizes from 1/4" to 1" IPS. Spring loaded for 2 or 10 PSI they are rated for pressures to 2500 PSI. Both types of valves can be customized to meet your specific requirements.

For more information visit our web site or call for a brochure.



17 Lee Blvd., Suite. D • Malvern, PA 19355-1234  
Toll Free: 877-778-3456 • Fax: 610-407-7211 • [www.jaecofs.com](http://www.jaecofs.com)

Circle 265