Cost Effective Alternative to Displacer Level Measurements for Refinery and Petrochemical Applications

Displacer’s often provide inaccurate results combined with High Maintenance

THE PROBLEM

• Displacer accuracy is dependant on the specific gravity of a fluid. Varying specific gravities and “off spec” product result in significant measurement errors.
• Coating build-up on the displacer body produces errors.
• “Blowdowns” to clean displacer internals and cages is time consuming and expensive.
• Rebuilds due to component wear add significantly to the total cost of ownership.
• Interface measurements are more sensitive to slight specific gravity variances and result in separator throughput lower than the design specification.

THE SOLUTION

• AMETEK Drexelbrook Radio Frequency (RF) Admittance technology eliminates all of the inherent problems with Displacer technology level measurement.
• RF is immune to changes in specific gravity, density, temperature, and pressure.
• Accuracies to ¼ inch of level in short span installations.
• No moving parts to wear, No periodic maintenance.
• Replacement cost differentials covered by eliminating one rebuild.

Other Solutions:

• Amine Storage
• Ammonia Storage
• Sour Water Stripper
• Vacuum tower

Typical Uses:

• Continuous Level Control
• Inventory Management

4 - 20 mA, Honeywell or HART® Protocol

Easily Retrofit from Displacer to RF Level Technology

©2003, by AMETEK, Inc. All rights reserved. • Printed in the U.S.A. • EDO# 10-03-241