Accurately Measuring Alcohol Concentration with VersaFlow Coriolis Flow Meter

The VersaFlow™ Coriolis 1000 S50 Mass Flow Meter is ideal to use in an alcohol production plant to measure the concentration of pure alcohol in water.

There are two types of applications: anhydrous alcohol (96 to 99 °INPM) and hydrated alcohol (90 to 95 °INPM).

This type of measurement is referred to as the “INPM degree” and is similar to Gay Lussac (oGL). However, oGL only relates to the perceptual volume of pure alcohol per 100g mix of alcohol and water while the INPM measure is the mass concentration.

The Coriolis 1000 would be installed immediately after the outlet of the alcohol distillation column production and measure the alcohol INPM degree. It also would measure the total production output. The measured values would be used to set the process control which only tolerates small variations in the INPM degree.

More Information
For more information on the VersaFlow Coriolis Flow Meter, visit www.honeywell.com/ps/hfs or contact your Honeywell account manager.