

VersaFlow Vortex Flow Meters General Application Guide



Vortex meters are versatile in the measurement of steam, liquids or gases. VersaFlow Vortex with its integral temperature and optional integral pressure monitoring offers a low-cost solution to applications where energy monitoring and multiple outputs may be required. Here are some typical Vortex meter applications.



Free Air Delivery System

- Computation of free air delivery through a compressor
- Installed at the outlet side (discharge) of the compressor
- Typical pressure: 7 to 10 barg (100 to 145 psig)
- Typical temperature: 35 to 40° C (95 to 105° F)
- Typical relative humidity: 70 to 100%

Measuring Steam Usage in a Brewing Application

- Vortex can measure steam usage within 1% of the measurement value
- High measuring dynamic of flow volume from the smallest to the largest flows
- Not sensitive to external vibrations--unit is mounted near a mash pump and the measuring process will not be disturbed or interrupted

More Information

For more information on VersaFlow flow meters, visit www.honeywell.com/ps or contact your Honeywell account manager.

Automation & Control Solutions

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Flow Measurement of Demineralized Water, Pure Water or Desalinated Water

- Accuracy in water applications of 0.75%
- Cost-effective solution as electromagnetic flow meter cannot be used
- Typical pressure: 2 to 5 barg (30 to 70 psig)
- Typical temperature: Ambient
- Rugged sensor, no wear and tear
- All wetted parts of stainless steel
- Self diagnostics with alarm function

Flow Measurement of Solvents

- Can be used for non-conductive fluids like solvents, methanol, ethanol, etc.
- Accuracy of 0.75%
- Cost-effective solution as magnetic flow meter cannot be used
- Typical pressure: 7 barg (100 psig)
- Typical temperature : 35° C (95° F)
- Insensitive to vibrations
- Self diagnostics with alarm function

Other Fluid Applications

- Vapor and saturated steam measurement
- Steam boiler monitoring
- Control of compressor output
- Consumption measurement in compressed air systems
- Measurement of industrial gases
- Burner consumption measurement
- SIP and CIP processes in the food, beverage and pharmaceutical industries