

## ABB introduces new Coriolis mass flowmeters

### **Compact, maintenance-free CoriolisMaster meters measure flow, density, temperature and concentration**

Hannover, April 23, 2012 – ABB has announced the CoriolisMaster FCB330 and FCB350 compact Coriolis mass flowmeters for measuring gases and liquids.

The FCB330 and FCB350 are the new part of the CoriolisMaster family of direct mass flow measurement products and provide accurate measurements of multiple variables with a single, compact device: flow (mass and volume, with accuracies to 0.1%), density, concentration, and temperature. The new double tube design has no moving parts and requires no up- or downstream piping, saving more than 40% in length and meter volume. This minimizes maintenance and installation space, and allows retrofitting of older flowmeters in tight places where Coriolis meters could not be used in the past. The design also uses wider inner tube diameters, producing lower pressure drops and higher capacities. This saves up to 25% pump power, making the new mass flowmeter the better alternative to mechanical meters and their requisite filters that can cause pressure drops and blocked pipes.

The compact FCB330 and FCB350 are designed for a variety of flow measurement applications in oil and gas, chemical, power, and food and beverage industries. The meter features an optimized sensor with superior zero point and temperature stability. A sturdy design and advanced digital signal processing (DSP) technology allows detection of low flow signals and minimizes the effects of pipeline vibration and interference. The meter is self-draining so no measuring media residues remain inside, as can be the case in applications with liquids or condensates in gases.

The FCB330 and FCB350 are quick to deploy. An easy-to-use, three-button menu and text display reduce installation and training time. The display indicates mass or volume flow rate, percent maximum flow, flow rates in bar graph form, temperature, density and forward or reverse totalization. Integrated DensiMass software simplifies computations, including direct Brix measurements and Net-Oil or temperature-standardized concentration calculations on large application data repositories.

The new meters support pipe sizes from DN15 to DN150 (0.5" to 6"). Installation length and handling are identical for all models. All devices include a large tube diameter that minimizes pressure losses, saving up to 50% of pressure loss compared to other flowmeters.

The devices are available as an integral mount design with internal transmitter, for reduced installation time and wiring, and as a remote mount design with external transmitter. Approvals include FDA / 3A / EHEDG for hygienic applications.

The CoriolisMaster FCB330 and FCB350 mass flowmeters are available now.

#### **Figure:**

HM 2012\_07.jpg:

The new CoriolisMaster meters are compact, maintenance-free and measure flow, density, temperature and concentration.

# Press Release



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