HPC

KOBOLD

High Performance Coriolis Flow Meter for Low Flows

- ✓ Revolutionary New Dual-Tube Design
- ✓ Exceptional Accuracy and Vibration Immunity
- ✓ Highest Temperature and Pressure Capacity
- ✓ Multiple Mounting Capabilities

A Worldwide First in Coriolis Technology Architecture

Heinrichs
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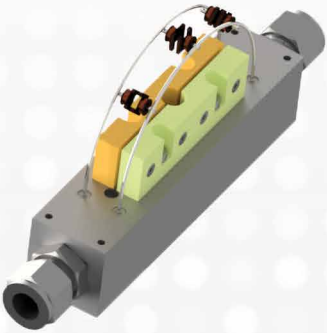
HPC



New Revolutionary Coriolis Technology for Low Flows

The **HPC** breaks the barriers of low-flow measurement for Coriolis flow meters. Most low-flow options employ a single tube design where external interference increases dramatically, requiring costly decoupling. Yet another challenge most low-flow options face is that the weight influence of the sensor coils compared to the pipe diameter limits the potential design size. The revolutionary **HPC** employs lightweight magnets that are mounted onto the pipes themselves. This provides the sensor with significantly noise-reduced and predictable dynamic behavior, capable of functioning at higher frequencies, further decoupling the sensor‘s measurement from any external vibrations.

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Exceptional Accuracy/Vibration Immunity

The HPC achieves exceptional accuracy with deviations of just ± 0.1 percent. The unique dual tube design also offers extreme insensitivity to external vibrations, eliminating the need for costly bulky & heavy mechanical coupling typical with single tube technology. Four sensor coils offer high resolution.

High Temperature and Pressure Capacity

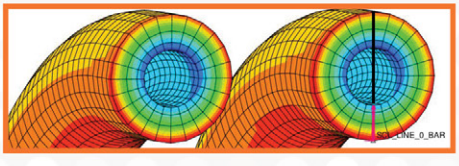
Other elements, based off of the unique technology of the HPC, enable it to offer the highest temperature and pressure capacities. It can withstand temperatures up to 350 °F and pressures up to 5,800 PSI.

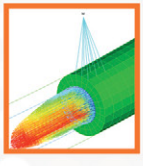
Custom Options

Upon request, the HPC is available with custom options. Other ranges besides the standard 2-20 and 5-50 kg/h are possible. Other potential customizations include: customer specific enclosures, connectors, or interfaces.

Advanced Research and Development

High-end, state of the art simulation technology enables a significant reduction in development time. We are positioned to quickly recognize any application barriers and overcome them with optimal customer oriented solutions.





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HPC

Multiple Mounting Capabilities

Inline Version
Inline Mounting

Wall Mount Version
Brackets Included

Desk-Top Version
Pipes Pointing Up

Desk-Top Version
Pipes Pointing Down

The HPC is available in a traditional inline version, which can be inserted directly into the process line. There are also three other types available, which are designed for wall mounting or placement on a horizontal surface. The table-top model comes in two versions with the measuring tubes situated either above or below the process line.

HPC Highlights:

- ✓ For Flows from 2...20 to 5...50 kg/h
- ✓ Liquid Accuracy of ± 0.1% Actual Value
- ✓ Gas Accuracy of ± 0.5% Actual Value
- ✓ Temperatures from -40...350 °F
- ✓ Pressures up to 5,800 PSI
- ✓ 316-Ti SS Measuring Pipes and Body
- ✓ Aluminum and SS Enclosure Cover
- ✓ 1/2“ NPT Female Connection
- ✓ Gyrolock® and Swagelok® Connections
- ✓ Compact Installation Length of 6“

UMC4 Transmitter Highlights:

- ✓ For Use with HPC Coriolis Flowmeters
- ✓ Other UMC Versions in Development
- ✓ IP 67/68 Aluminum Housing
- ✓ 2 Line Display, Intuitive Menu
- ✓ 2x 4-20 mA / HART®
- ✓ ATEX and non-ATEX Versions

KOBOLD Instruments Inc:

For more than 35 years, **KOBOLD** has been a world leader in process measurement and control solutions. We offer one of the industry's broadest lines of sensors, switches, and transmitters to measure and control flow, pressure, level, and temperature. The **KOBOLD** brand is synonymous with quality, craftsmanship, technological advancement, and cost effectiveness. Our engineers and customer service representatives are ready to help you find the ideal **KOBOLD** solution for your most demanding applications.

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