



PROCESS GAS

“It’s difficult to safely and cost-effectively control the use of gas in my plant.”

A large plant can incur losses of \$5,000 to \$10,000 per day – or more – due to leakage.

Understand All the Costs of Gas Leaks, ChemicalProcessing.com

What if...

- You could **reduce the risk of a gas leak**, to safeguard your workers, the community, and the environment?
- You could **increase efficiency**, to lower your production costs?
- You could **improve flow and flexibility** to meet capacity demand?

Is your flow measurement technology keeping pace with today’s demands?

In your role, you’re focused on maximizing throughput while keeping your operational costs as low as possible. The use of feedstock or utility gases is essential to your operation, but gas is a volatile substance—difficult to measure, hard to contain, and, in many cases, highly dangerous.

Volumetric technologies were designed for yesterday’s manufacturing environment. Today, you’re dealing with demands for more product variety and faster turnarounds, which strains your infrastructure and leaves you little margin for error, with safety and emissions regulations that place your plant under increased scrutiny and compliance pressure.

Your flow measurement technology must keep pace and provide the flexibility and accuracy you need to compete safely and cost-effectively in this new environment.

Plant executives we talk to tell us about challenges like these:

“I’m worried about my ability to safeguard my workers, the community, and the environment.”

Gases used in manufacturing must be carefully monitored and controlled as these substances can pose a tremendous risk to your workers and the community. Regulators are eyeing your industry more closely than ever, which means increased scrutiny and more stringent regulations. Without a good way to monitor, control, and document gas flow in your plant, you’re increasing your risk on all fronts.

“It costs too much to produce my product.”

Every day, you look for ways to reduce production costs and optimize your use of raw materials. Equipment degradation and measurement inaccuracies are constant challenges, further complicating your ability to keep costs down. As a result of all these factors, you’re trying to maximize throughput while minimizing fuel waste with one eye on the clock and the other on your balance sheet.

“It’s getting harder and harder to meet demand.”

Not only must your operation be prepared to produce a wider variety of product, you must also deliver output to customers faster and more frequently than ever before. This means changing recipes on the fly, running equipment and processes harder, and measuring gas flow precisely enough to ensure every batch meets customer specifications. There’s no margin for delay or off-spec product.



Plant operators worldwide are choosing the Micro Motion measurement technology from Emerson. With our meters, you'll gain an exceptional degree of flexibility, accuracy, and measurement precision while, at the same time, minimizing the risk to your workers, the environment, and the surrounding community.

Because our Coriolis meters measure mass directly, you won't need additional instrumentation to calculate flow rate, nor will you have to take your process down for unnecessary calibration.

At the same time, you'll gain the flexibility to expand your turndown capacity, which means you can accommodate a wider range of customer demands without placing undue pressure on your infrastructure. And, because our devices are designed with simplicity in mind—a single unit with process end connections—you'll eliminate up to 90% of potential leak points, dramatically improving safety.

As a result, you'll be better able to maximize production while keeping risk and cost to a minimum.



A carbonated beverage producer installed Micro Motion Coriolis meters for in-line blending, improving product quality through more accurate mass-based injection of CO2 and increasing plant throughput by reducing rework.

REDUCE THE RISK OF A GAS LEAK

With our simplified design, proactive monitoring, and measurement precision, you'll be able to reduce the likelihood of a leak, correct abnormal conditions, and document compliance more completely and accurately. As a result, you can improve safety while ensuring your plant meets its ever-expanding compliance obligations.

INCREASE EFFICIENCY

By choosing Micro Motion meters with virtually no maintenance, you'll be able to optimize your use of process gas at your plant, driving greater speed and efficiency up and down the line. The long term stability of the meter means you won't have to worry about unplanned downtime causing interruptions in your plant.

IMPROVE FLOW AND FLEXIBILITY

With the simplicity, accuracy, and reliability of Micro Motion meters, you'll gain the flexibility and capacity you need to meet escalating demands. And, because our meters deliver the highest degree of accuracy and rangeability in a single, self-contained unit, you'll be able to produce more product more quickly, without placing undue stress on the rest of your system.

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