



Operation Tips

ATLAS AIR & WATER DIGITAL FLOW METER

To get the most from your Atlas Air & Water Digital Flow Meter, please note the following.

Milliamp Scaling

The milliamp scale range of each flow meter is greater than the calibrated range of the meter. To determine the milliamp range of the meter, either refer to the label inside the meter or press, twice, the button on the main circuit board (beneath the removable display circuit board).

High Flow Rates

Our flow meter will continue to provide reasonably good accuracy at flows of 50 percent above their published calibrated ranges. They will continue to indicate flow at far higher flow rates, but their accuracy is likely to degrade substantially at these high flow rates. Refer to the published capacities when selecting meters and interpreting the results.

Meter Location

Refer to the installation instructions regarding meter location. Provide plenty of straight pipe upstream of the meter, avoid suspended water droplets, and avoid locations downstream of sweep elbows, hoses and sudden large increases in pipe area.

To save compressed air, be sure to monitor:

- Bag houses, diaphragm pumps, air-operated clutches — anything that can fail in a way that greatly increases air usage.
- Unattended locations, where a broken hose might go unnoticed.
- Equipment in noisy areas, where leaks would not be heard.
- Shops, departments, production lines, production cells, to track down air waste and allocate costs.

Gathering Information and Putting to Use

An after-hours walk through the plant, noting the flow at each meter when production is shut down, is an easy way to spot leakage and other waste.

The remote displays allow you to track daily or cumulative usage, again by simply walking through the plant. Data loggers provide a detailed profile of usage.

Beyond this, using the milliamp outputs or the optional serial communication capabilities, the meters can be monitored by a data-collection system to continuously monitor air usage throughout the plant.

\$200 per cfm

That's the cost of air, flowing continuously for a year, when electricity costs \$0.12 per kWh. We're here to help you save energy and money. Please let us know what you learn from our product, so we can tell others what to look for. A quick email to sales@atlasairandwater.com would be greatly appreciated.

Atlas Air & Water
396 St. Croix Trail South, Suite 283
Lakeland, MN 55043

www.atlasairandwater.com
sales@atlasairandwater.com



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