

# The Brooks Fast Filling and Dosing Solution



**Accurate Mass Based Filling, Avoiding Spills**

**Automatic Overshoot Compensation &  
Discrete Valve Control for Optimal Performance**

**Online Diagnostics Capabilities Ensure Trouble-Free Operation**

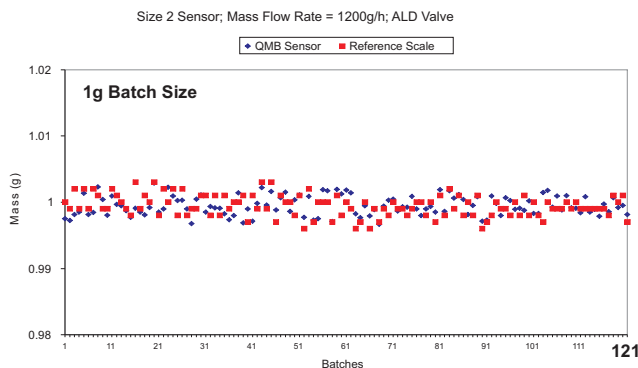
**Brooks Instrument**

  
**EMERSON**  
Process Management

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## Utilizing the QUANTIM Coriolis Mass Flow Meter

Brooks Instrument's new filling and dosing solution features the patented QTA Dosing Transmitter. This transmitter offers all the benefits of digital technology, in a package specifically designed for filling and dosing processes. This system is packed with features for precise control and delivery of fluids in small quantities over broad ranges of process conditions.



As the data shows, the Brooks mass flow sensor agrees with the reference scale within 0.0030 grams at 95% confidence. Clearly, our mass-based technology allows you to address customer's fill quality, reproducibility, and data logging.

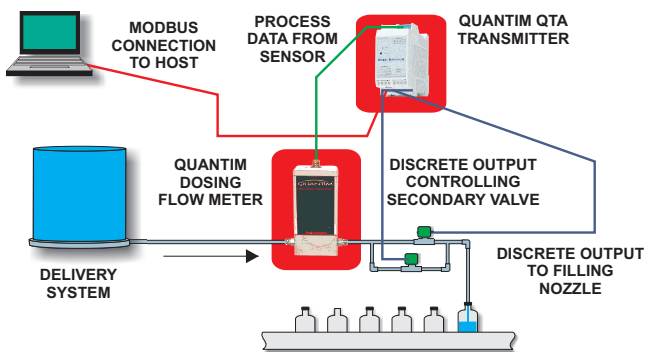
### Application Configuration and Control

Brooks' popular model QTA DIN rail Transmitter provides the platform for the filling and dosing solution, delivering a big transmitter in a small package.

- Digital processing dramatically reduces signal noise and generates faster response time.
- Special update rate between transmitter and sensor enables near-instantaneous response process has not shifted.

### Application Architecture and Process

For a simple one-stage fill process, the host downloads the target to the model QTA, starts the pump, and opens the nozzle. When the target is reached, the model QTA closes the nozzle, stops the delivery system, and reports the totals to the host system.



Monoblock, Rotary, In-line, Walking Beam, single, or multi head units can benefit from this mass flow meter based filling option.

### Brooks is your ideal mass flow meter partner.

At Brooks, we combine unmatched product innovation with extensive application experience to deliver the best solution for your application. All Brooks products are unsurpassed in reliability and quality. Our worldwide network of sales experts, unequalled post-sale technical support, and a strong financial foundation make Brooks the perfect long-term partner.

Contact your local representative for more information or a test unit to try on your filling system.

#### Emerson Process Management Brooks Instrument

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