Model 210 Low Flow Controller

Trusted Rheotherm precision with added functionality

The Intek Rheotherm Model 210 Low Flow Controller can be used to measure and control the continuous flow of most gases and homogeneous liquids with low or high viscosities.

Like all Rheotherm instruments, the Rheotherm Model 210 Low Flow Controller is capable of measuring and controlling extremely low flow rates while providing accurate results. Key features include:

- Precision low flow controller with signal processing electronics and control valve integrally mounted to the sensor, installable at the process site
- Extended temperature compensation for reliable flow control under a wide range of process conditions
- User adjustable setpoint with optional external control
- Analog flow output signal available
- Wetted material chemically compatible with most process liquids and gases
- Little to no maintenance

Controllable Flow Ranges:

<table>
<thead>
<tr>
<th></th>
<th>Liquids</th>
<th>Gases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min:</td>
<td>0.05 cc/min</td>
<td>0.0017 SCFM</td>
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<tr>
<td>Max:</td>
<td>2000 cc/min</td>
<td>3.0 SCFM</td>
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Specifications

Temperature: 0—120°F (-18—50°C)
Pressure: Up to 500 PSIG
Turndown: Up to 100:1
Accuracy: ±1% of reading
Repeatability: ±0.5% of reading
Response Time: 1 second
Line Size: 1/16” - 1/4”OD (dependent on flow rate)
Wetted Material: 316 SS
Valve O-ring: FKM, FFKM, EDPM (other options available)
Flow Output: 0-10, 0-5Vdc; 4-20 mA
Display: 2-line OLED
Enclosure: Sensor: PVC; Integrated Electronics: NEMA 4x cast aluminum
Input Power: 24 Vdc

Your Process Flow Partner

For over 45 years, Intek’s Rheotherm flow meters have proven to be a robust and accurate solution for industrial flow measurement applications. A low-maintenance design coupled with Intek’s ISO-9001:2015 certified manufacturing leads to long equipment life —15 to 20 years is not uncommon.