INTAKE THROTTLES
HIGH PERFORMANCE - COMPACT DESIGN

Advanced Mechatronics
# Smart/active or passive actuation

The AVENTICS best in class intake throttles feature a compact package designed for harsh environments. Choose between the high performance active version, or the cost optimized passive version.

## A wide range of Best in Class features
- Leak proof IP69K
- Compact package
- Broad operating temperature range
- Response time
- Integrated radial actuator
- Accuracy

## Additional characteristics
- Various inlet/outlet configurations
- Multiple control signals and mounting configurations
- OBD ready (active), OBD capable (passive)
- Motor: BLDC (active), BL/PM-DC (passive)
- E1 compliant
- Temperature feedback
- Integrated connector options

## Series

<table>
<thead>
<tr>
<th>Feature</th>
<th>Intake throttles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bore sizes</td>
<td>50mm to 120mm</td>
</tr>
<tr>
<td>Temp. range, operational</td>
<td>-40°C to +150°C</td>
</tr>
<tr>
<td>Temperature range, storage</td>
<td>-55°C to +175°C (active)</td>
</tr>
<tr>
<td>CAN ready (active)</td>
<td>250kB, 500kB, 1MB</td>
</tr>
<tr>
<td>Operational voltage</td>
<td>12V or 24V</td>
</tr>
<tr>
<td>Vibration</td>
<td>to 29g&lt;sub&gt;rms&lt;/sub&gt;</td>
</tr>
<tr>
<td>Response times (active)</td>
<td>T&lt;sub&gt;S&lt;/sub&gt; &lt; 100ms</td>
</tr>
<tr>
<td>Response times (passive)</td>
<td>T&lt;sub&gt;S&lt;/sub&gt; &lt; 120ms</td>
</tr>
<tr>
<td></td>
<td>T&lt;sub&gt;S&lt;/sub&gt; &lt; 150ms</td>
</tr>
</tbody>
</table>

- Smart/active or passive actuation
- Smart option: CAN (J1939), PWM, analog control
- Integrated radial actuator
- Best in class performance
- Compact package
- Suitable for hot/harsh environments
- Industry best response times
- Hardware enabled sleep/wake modes