One that masters the essential: SIPART PS100

Easy and reliable valve control

usa siemens com positioners
Easy, fast, and reliable control for standard applications

Positioners are essential to the smooth and reliable operation of your process. They play a vital role in ensuring the best possible performance throughout your plant. A great example is our new electropneumatic positioner, the SIPART PS100. Its ease and speed of initialization make it a winner for valve manufacturers, the chemical industry, the energy sector, and many other fields. Special benefits of the SIPART PS100 include robust construction and ease of operation.

Easy to operate

Quick to initialize
» One-push initialization: initialize at the push of a button
» Device automatically adjusts to the connected valve

Easy selection of the control mode
» Application parameters to select a range of modes, for example: precise control, on/off operation, booster applications
» Maximum performance for every application

Simply robust

Non-contacting sensor
» Vibration-resistant
» Non-wearing
» Accurate and continuous detection of valve position

Ready for tough process conditions
» Completely enclosed design
» Two enclosure versions
  – Aluminum – resistant to mechanical influences
  – Polycarbonate – with a clear view of the screen
Animated video on robust design

Non-corrosive sound absorber
» Suitable for aggressive process conditions

Valve status at a glance
» Screen symbols in accordance with NAMUR NE107
» Local operation with large screen and four buttons

Animated video on user-friendliness
Technical data

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>Aluminum, aluminum/polycarbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital input/digital output</td>
<td>1 DI / 1 DO</td>
</tr>
<tr>
<td>Computed value</td>
<td>4 – 20 mA</td>
</tr>
<tr>
<td>Stroke range</td>
<td>0.12 ... 5.12&quot; (longer strokes on request)</td>
</tr>
<tr>
<td>Range of rotation</td>
<td>10 ... 100°</td>
</tr>
<tr>
<td>Required air quality</td>
<td>Class 3 as per ISO 8573-1</td>
</tr>
<tr>
<td>Ambient air temperature</td>
<td>(–4 ... +176 °F)</td>
</tr>
<tr>
<td>Pneumatic auxiliary power</td>
<td>20.3 ... 101.5 psi</td>
</tr>
<tr>
<td>Air throughput</td>
<td>– Inlet to actuator (at Δp = 6 bar)</td>
</tr>
<tr>
<td></td>
<td>– Outlet from actuator (at Δp = 6 bar)</td>
</tr>
<tr>
<td></td>
<td>9.8 m³/h (5.76 SCFM)</td>
</tr>
<tr>
<td></td>
<td>19.2 m³/h (11.30 SCFM)</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>Type 4X, IP66</td>
</tr>
</tbody>
</table>

Subject to change without prior notice
Order No.: PIBR-B10458-1218
All rights reserved
Printed in USA
© 2018 Siemens Industry, Inc.

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be registered trademarks of Siemens AG. All other designations in this document may represent trademarks whose use by third parties for their own purposes may violate the proprietary rights of the owner.