Compact ASCO Actuator Control System
ASCO Actuator Control System

• Reliable pneumatic Actuator Control System in full 316L stainless steel
• Lighter, stronger and more compact than conventional panel mounting units
• Modular system existing of a range of standard explosion-proof components
• Solenoid valves, spool valves, redundant valves, manual reset valves and filter/regulators are connected by means of a versatile leak-tight coupling system. They are all mounted on a vibration-resistant stainless steel base plate

From the inventor of solenoid solutions

• Optimised flow path
• One predefined flow factor to determine actuator/control valve speed
• Simple versatile connecting system in ¼” or ½” NPT, tested up to 150 bar
• Using standard ASCO proven technology products such as series 327 balanced poppet valves and series 551-553 spool valves

Easy installation and reduced costs

• Preassembled ready-to-use system, using ASCO’s coupling system
• Significant reduction in installation cost over panel-mounted assemblies
• Integrated mounting facility eliminates incorrect installation with complex arrangements of panels, pipes, brackets or additional fittings, thereby reducing leak points and costs
• Easy to maintain and interchange

Flexibility

• Modular assembly enables many configurations with filter/regulators and various single or redundant solenoids
• Various types of valves and solenoid housings
• 3/2 or 5/2 function for single or double acting actuators
• 2 levels of filtration: 5 µm or 25 µm
• Optional: manual operator and manual reset
Finally, one flow factor for the complete system, enabling fast and easy determination of my actuator speed.

Safety and Reliability

The ASCO solenoid valves are ATEX/IECEx (Ex d, Ex e mb, Ex i), IEC 61508, NEMA, UL and CSA approved and therefore suitable for hazardous areas and critical applications.

Worldwide service

- Over 1000 service points and 20 manufacturing plants worldwide
- Global and local service organisations can assist you in selecting the right system configuration for your application
- The widest variety of solenoid valves in the world

“High reliability, safety and robustness minimise down time of our production process.”

“Finally, one flow factor for the complete system, enabling fast and easy determination of my actuator speed.”

“Readily available full-standard modules, supplied by ASCO’s service organisation.”
**Basic models and flow values**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Solenoid valve type &amp; construction</th>
<th>Pipe Size</th>
<th>Flow coefficient (kv)</th>
</tr>
</thead>
<tbody>
<tr>
<td>133471-001</td>
<td>Series 327; direct acting, poppet</td>
<td>1/4&quot;</td>
<td>7.5 0.45</td>
</tr>
<tr>
<td>133471-013</td>
<td>Series 327; direct acting, poppet, low power</td>
<td>1/4&quot;</td>
<td>7.5 0.45</td>
</tr>
<tr>
<td>133471-007</td>
<td>Series 327; direct acting, poppet, manual reset</td>
<td>1/4&quot;</td>
<td>7.5 0.45</td>
</tr>
<tr>
<td>133472-002 (redundant; two separate valves)</td>
<td>Series 327; direct acting, poppet</td>
<td>1/4&quot;</td>
<td>7.5 0.45</td>
</tr>
<tr>
<td>133472-007 (redundant; two separate valves)</td>
<td>Series 327; direct acting, poppet, manual reset</td>
<td>1/4&quot;</td>
<td>7.5 0.45</td>
</tr>
<tr>
<td>133474-001</td>
<td>Series 551; pilot operated, spool</td>
<td>1/4&quot;</td>
<td>12.5 0.75</td>
</tr>
</tbody>
</table>

**Technical Information**

1. Filter/regulator with 5 µm or 25 µm filtration level
2. Optional: pressure gauge
3. Optional: Coupling system with 3 ports for pressure gauge, pressure relief valve or additional supply
4. Explosion-proof solenoid with ATEX, IECEx and many other approvals
5. Stainless steel base plate
6. 3/2 direct acting poppet valve series 327
7. Manual operator or Manual reset option

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ASCO

Australia
(61-2) 9454 6400

China - Shanghai
(86-21) 3338 7300

Hong Kong
(852) 2343 8580

India
(91-44) 3919 7342

Indonesia
(62-21) 2966 6242

Korea
(82-2) 3483 1576

Malaysia
(60-3) 7949 9228

New Zealand
(64-9) 478 0192

Philippines
(63-2) 479 3429

Singapore
(65) 6556 1100

Taiwan
(886-2) 8212 1233

Thailand
(66-2) 962 7117

Vietnam
(84-8) 3932 2044

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