FEATURES

- Compact design for the control of single-acting actuators or filling and draining cycles
- Wide range of flow and pressure ratings
- Quick disassembly of core tube for easy maintenance of internal parts
- Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids
- Standard manual operator allows an easy installation
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Compliance with UL and CSA standards (coil 4/6,9 W)
- Compact and low weight valve
- The solenoid valves satisfy all relevant EC directives

MATERIALS IN CONTACT WITH FLUID

(+ *) Ensure that the compatibility of the fluids in contact with the materials is verified

<table>
<thead>
<tr>
<th>Fluids (+)</th>
<th>Temperature range (TS)</th>
<th>Seal materials (+)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air, inert gas, water, oil</td>
<td>-10°C to +100°C</td>
<td>FPM (fluoroelastomer)</td>
</tr>
</tbody>
</table>

GENERAL

Differential pressure

See «SPECIFICATIONS» [1 bar =100 kPa]

Maximum viscosity

40 cSt (mm²/s)

Response time

5 - 10 ms

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>Orifice size</th>
<th>Flow coefficient (Kv)</th>
<th>Operating pressure differential (bar)</th>
<th>Power coil (W)</th>
<th>Catalogue number</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 NC</td>
<td>1.2 0.05</td>
<td>0.8 0.05 0.8</td>
<td>0 15 15 4 6.9</td>
<td>SCG356B002VMS</td>
<td>SCG356B012VMS</td>
<td>E</td>
</tr>
<tr>
<td>1/4 NC</td>
<td>1.6 0.05</td>
<td>0.8 0.05 0.8</td>
<td>0 10 10 4 6.9</td>
<td>SCG356B002VMS</td>
<td>SCG356B012VMS</td>
<td>E</td>
</tr>
<tr>
<td>1/8 NO</td>
<td>1.6 0.06</td>
<td>1 0.05 0.8</td>
<td>0 4.5 4.5 4.9</td>
<td>SCG356B012VMS</td>
<td>SCG356B012VMS</td>
<td>E</td>
</tr>
<tr>
<td>1/4 NO</td>
<td>1.6 0.06</td>
<td>1 0.05 0.8</td>
<td>0 3 3 4 6.9</td>
<td>SCG356B012VMS</td>
<td>SCG356B012VMS</td>
<td>E</td>
</tr>
</tbody>
</table>

ELECTRICAL CHARACTERISTICS

- Coil insulation class: F
- Connector: Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
- Connector specification: DIN 43650, 11 mm, industry standard B (type 01) or ISO 4400 / EN 175301-803, form A (type 02)
- Electrical safety: IEC 335
- Electrical enclosure protection: Moulded IP65 (EN 60529)
- Standard voltages:
  - DC (=): 24V - 48V

All leaflets are available on: www.asconumatics.eu

Pneutrol International Ltd are Platinium Distributors for ASCO Numatics

Contact us: 5 Caulside Drive, Antrim, Northern Ireland, BT41 2DU    www.valves-direct.com    sales@pneutrol.com    Tel: +44 (0) 28 9448 1800
OPTIONS

• Valves can also be supplied with EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification (1/8 version only)
• Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
• Flying leads coil, use prefix L (e.g.: LG356B001VMS) (4 W/6.9 W coil only)
• Oxygen service with seals and disc in FPM, suffix NV, example: SCG356B001NVMS
• Solenoid valves integrated on manifold, orifice sizes 1.2 - 1.6 - 2 - 2.4 mm (See V591)
• Without manual operator, on request
• Other pipe connections are available on request
• Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

• The solenoid valves can be mounted in any position without affecting operation
• Solenoid valves have 2 mounting holes in body
• Pipe connection identifier is G = G (ISO 228/1)
• Installation/maintenance instructions are included with each valve

ORDERING EXAMPLES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Prefix</th>
<th>Voltage</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCG356B001VMS</td>
<td>000</td>
<td>SCG</td>
<td>230V / 50 Hz</td>
<td>0.156</td>
</tr>
<tr>
<td>SCG356B002EMS</td>
<td>002</td>
<td>SCG</td>
<td>115V / 50 Hz</td>
<td>0.138</td>
</tr>
<tr>
<td>SCG356B014VMS</td>
<td>004</td>
<td>SCG</td>
<td>24V / DC</td>
<td>0.232</td>
</tr>
<tr>
<td>SCG356B001FWMS</td>
<td>001</td>
<td>SCG</td>
<td>24V / DC</td>
<td>0.229</td>
</tr>
<tr>
<td>SCG356B456VMS</td>
<td>006</td>
<td>SCG</td>
<td>230V / 50 Hz</td>
<td>0.183</td>
</tr>
<tr>
<td>SCG356B006VMS</td>
<td>006</td>
<td>SCG</td>
<td>230V / 50 Hz</td>
<td>0.183</td>
</tr>
</tbody>
</table>

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01

Prefix “SC” Solenoid
Epoxy moulded
IEC 335 / DIN 43650
IP65
NC/NO/U (1/8): All 1/8 catalogue numbers

TYPE 02

Prefix “SC” Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

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