SOLENOID VALVES

direct operated

pad mounting body

for subbase 1/4 or 1/2

FEATURES
• Drilled blocs for machine tool manufacturers
• Suitable for dosing/filling applications and industrial washing machines
• Installation on common rail with distribution or mixing flow function
• Compact solenoid valve for easy installation
• Epoxy moulded coil for general service applications
• AC/DC interchangeability of the solenoid head without any need for disassembly of the valve
• Three manual operator versions
• Flexible installation on joinable subbases
• The solenoid valves satisfy all relevant EU directives

GENERAL
Differential pressure See «SPECIFICATIONS» [1 bar = 100 kPa]
Maximum viscosity 40 cSt (mm²/s)
Response time 8 - 20 ms

<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>-25°C to +80°C</td>
<td>NBR (nitrile)</td>
</tr>
</tbody>
</table>

MATERIALS IN CONTACT WITH FLUID

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

<table>
<thead>
<tr>
<th>Body</th>
<th>Internal parts, spring</th>
<th>Seat</th>
<th>Seals</th>
<th>Shading coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brass</td>
<td>Brass</td>
<td>Stainless steel</td>
<td>NBR</td>
<td>Copper</td>
</tr>
</tbody>
</table>

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : 24V - 48V
(Other voltages and 60 Hz on request) AC (-) : 24V - 48V - 115V - 230V / 50 Hz

<table>
<thead>
<tr>
<th>prefix</th>
<th>power ratings</th>
<th>operator ambient temperature range (TS)</th>
<th>replacement coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>(VA) (VA) (W) (W)</td>
<td>-40 to +60</td>
<td>230 V/50 Hz</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24 V DC</td>
</tr>
</tbody>
</table>

(1) Refer to the dimensional drawings on the following page.

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>NC - Normally closed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pad mounting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0,11</td>
<td>1,8</td>
<td>0</td>
<td>40</td>
<td>40</td>
<td>10,5</td>
</tr>
<tr>
<td>2,7</td>
<td>0,22</td>
<td>3,6</td>
<td>0</td>
<td>40 (30)</td>
<td>15</td>
<td>10,5</td>
</tr>
<tr>
<td>3,8</td>
<td>0,32</td>
<td>5,3</td>
<td>0</td>
<td>20 (15)</td>
<td>8</td>
<td>10,5</td>
</tr>
<tr>
<td>4,5</td>
<td>0,42</td>
<td>7</td>
<td>0</td>
<td>16 (10)</td>
<td>5</td>
<td>10,5</td>
</tr>
<tr>
<td>5,5</td>
<td>0,63</td>
<td>10,5</td>
<td>0</td>
<td>10 (6)</td>
<td>2</td>
<td>10,5</td>
</tr>
</tbody>
</table>

(1) Allowable operating pressure differential with operator type "PV".

All leaflets are available on: www.asco.com

V298-1
OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer) and EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification.
- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10 (prefix WP).
- Explosion proof enclosures for use in zones 1/2/1-2/2, categories 2-3 to ATEX Directive 2014/34/EU (see "Explosionproof solenoids" section).
- Class H coil (10,5W/11,2W coils), prefix HT.
- Button type manual operator, use TPL 20655, example: SCXS272A017 TPL 20655 (available for all versions).
- Oxygen service with seals and discs in FPM, suffix NV, example: SCXS272A017 NV.
- Standard suffixes E and V are also applicable to kits.

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation.
- Mounting on single or joinable subbase or on supply rail, four mounting holes.
- ATEX 2014/34/EU versions can be installed on single or joinable brass subbases.
- 1/4 and 1/2 subbases pipe connections (G*) have standard combination thread according to ISO 228/1 and ISO 7/1.
- Installation/maintenance instructions are included with each valve.

SPARE PARTS KIT

<table>
<thead>
<tr>
<th>catalogue number</th>
<th>spare parts kit no.</th>
<th>maintained manual operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>all catalogue numbers</td>
<td>C140159</td>
<td>C140159</td>
</tr>
</tbody>
</table>

(*) Standard suffixes E and V are also applicable to kits.

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01
Prefix "SC" Solenoid Epoxy moulded IEC 335 / ISO 4400 IP65

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TYPE 04
Joinable brass subbases 36101027 (unit) 2/2 way can be combined with 3/2 way

TYPE 05
Aluminium supply rails 36101030..1036 2/2 way can be combined with 3/2 way