**FEATURES**
- Minimum operating pressure differential $\Delta P \geq 0.3/0.5$ bar
- Two way valves for automatic control of water, air and inert gas and other gases/liquids compatible with the sealing materials used
- Interchangeability of magnetic heads, AC and DC
- The solenoid valves satisfy all relevant EU Directives

**GENERAL**
- Differential pressure range: See «SPECIFICATIONS» [1 bar $=100$ kPa]
- Ambient temperature range: $-10^\circ C$ to $+60^\circ C$
- Maximum viscosity: $40$ cSt ($mm^2/s$)
- Response time (ms):
  - Opening time
    - $\frac{3}{8}$: 25
    - $\frac{1}{2}$: 30
    - $\frac{3}{4}$: 55
    - 1: 70
    - 1 1/2: 300
    - 2: 1500
  - Closing time
    - $\frac{3}{8}$: 40
    - $\frac{1}{2}$: 90
    - $\frac{3}{4}$: 110
    - 1: 200
    - 1 1/2: 1000
    - 2: 2000

**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 and water</td>
<td>$-10^\circ C$ to $+85^\circ C$</td>
<td>NBR (nitrile) FPM (fluoroelastomer)</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS**
- Coil insulation class: F
- Connector specification:
  - Spade plug (cable $Ø$ 6-8 mm or $Ø$ 6-10 mm)
- Connector specification:
  - For power coil: 56.9W, 89W, 12.5W
  - DIN 43650, 11 mm, industry standard B
- Electrical safety: IEC 335
- Electrical enclosure protection: Moulded IP65 (EN 60529)
- Standard voltages:
  - DC: 24V - 48V
  - AC: 24V - 48V - 115V - 230V / 50 Hz

<table>
<thead>
<tr>
<th>Power coil type</th>
<th>Power ratings</th>
<th>Ambient temperature range (TS)</th>
<th>Replacement coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>(VA)</td>
<td>(W)</td>
<td>(C°)</td>
<td>=</td>
</tr>
<tr>
<td>SC</td>
<td>12</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>10.4</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>23</td>
<td>14</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>20</td>
<td>12.5</td>
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</tbody>
</table>

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

(2) UL/CSA certified.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>Orifice size (mm)</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>G* 3/8</td>
<td>12</td>
<td>2.4</td>
<td>40</td>
<td>0.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G* 1/2</td>
<td>12</td>
<td>2.4</td>
<td>40</td>
<td>0.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G* 3/4</td>
<td>15</td>
<td>4.2</td>
<td>70</td>
<td>0.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G* 1</td>
<td>20</td>
<td>6.6</td>
<td>110</td>
<td>0.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G 1 1/4</td>
<td>25</td>
<td>9.9</td>
<td>165</td>
<td>0.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G 1 1/2</td>
<td>30</td>
<td>15</td>
<td>250</td>
<td>0.5</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G 2</td>
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<td>27</td>
<td>450</td>
<td>0.5</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>NO - Normally open</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>G* 1 1/4</td>
<td>30</td>
<td>15</td>
<td>250</td>
<td>0.5</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>G* 1 1/2</td>
<td>45</td>
<td>27</td>
<td>450</td>
<td>0.5</td>
<td>9</td>
<td>9</td>
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<tr>
<td>G 2</td>
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<td>566</td>
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</table>
OPTIONS

- Valves can also be supplied with FPM (fluorelastomer), EPDM (ethylene-propylene) seals, diaphragm and disc. Use the appropriate optional suffix letter for identification.
- Oxygen service, suffix NV, example: SCE238D002NVMO (Except pipe size G 1 1/4, G 1 1/2 and G 2).
- 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.
- 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

catalogue number: 

<table>
<thead>
<tr>
<th>catalogue number</th>
<th>spare parts kit no. (1)</th>
<th>spare parts kit no. (1)</th>
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</thead>
<tbody>
<tr>
<td>SCE238D001/002/006/007</td>
<td>C131600</td>
<td>C140262V</td>
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<tr>
<td>SCE238D003/D008</td>
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</table>

(1) Standard suffixes are also applicable to kits.

ORDERING EXAMPLES:

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<tr>
<th>type</th>
<th>prefix option</th>
<th>catalogue number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>X</th>
<th>weight</th>
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</tbody>
</table>

(2) Incl. coil(s) and connector(s).

DIMENSIONS (mm), WEIGHT (kg)

ORDERING EXAMPLES KITS:

<table>
<thead>
<tr>
<th>type</th>
<th>prefix option</th>
<th>catalogue number</th>
<th>basic number</th>
<th>suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
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<td>SC</td>
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</tr>
<tr>
<td></td>
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<td>C131618</td>
<td>SC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SC</td>
<td>C140262</td>
<td>SC</td>
<td></td>
</tr>
</tbody>
</table>

(1) Manual operator location

All leaflets are available on: www.asco.com