SOLENOID VALVES

direct operated

for low pressure gas, according to EN 161

3/8 to 1

FEATURES
• For gas pilot and gas burner control on industrial atmospheric and forced draught burners, also used in kilns and furnaces in process industries
• All valves have been type tested to EN 161 and satisfy the Regulation (EU) 2016/426 on gas appliances
• Certificate of conformity BSI: No. CE 688365
• All valves are for class A group 2 service and cover gas family 1, 2 and 3
• All valves are suitable to withstand 150 mbar back pressure
• Aluminium bodied, low pressure valves designed to provide maximum flow
• Direct lift valves with resilient soft seating for tight shut-off

GENERAL
Differential pressure  See «SPECIFICATIONS» [1 bar =100 kPa]
Response time  1 s max.

MATERIALS IN CONTACT WITH FLUID
(+) Ensure that the compatibility of the fluids in contact with the materials is verified
Body  Aluminium
Core tube  Stainless steel
Core and plugnut  Stainless steel
Springs  Stainless steel
Seat  Aluminium
Seal  NBR
Disc  NBR
Riderring  PTFE
Core guide  POM
Shading coil  Copper

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  AC (-): 24V - 48V - 115V - 230V / 50 Hz
(Other voltages on request)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>pipe size</th>
<th>orifice size</th>
<th>flow (m³/h)</th>
<th>operating pressure</th>
<th>power coil (W)</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>19</td>
<td>4.9</td>
<td>0</td>
<td>0.086</td>
<td>14</td>
</tr>
<tr>
<td>1/2</td>
<td>19</td>
<td>7</td>
<td>116.7</td>
<td>0.086</td>
<td>14</td>
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<tr>
<td>3/4</td>
<td>19</td>
<td>10.3</td>
<td>172</td>
<td>0.086</td>
<td>14</td>
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<tr>
<td>1</td>
<td>23.8</td>
<td>14.84</td>
<td>247</td>
<td>0.086</td>
<td>20</td>
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</tbody>
</table>

(1) For 2.5 mbar pressure drop air 1.0 s.g. at 1.013 mbar and 15°C.
(2) For valves to be mounted vertical and upright.
(3) Refer to the dimensional drawings on the following page.

All leaflets are available on: www.asco.com
OPTIONS

- Mounting brackets, suffix MB (EGSCE040B001/002/B003 only)
- Optional features to EGSCE040B001/002/B003:
  - Strainer, used suffix D01
  - 1/8” plugged pressure tappings in the inlet and outlet ports, use suffix D02
  - Strainer and 1/8 plugged pressure tappings in the inlet and outlet ports, used suffix D03
  - Pressure test nipples for hose connection in the inlet and outlet ports Ø 8 mm, use suffix D04
  - Strainer and Pressure test nipples for hose connection in the inlet and outlet ports Ø 8 mm, use suffix D05
- Connector with visual indication and peak voltage suppression or with cable length of 2 m (www.asco.com)

INSTALLATION

- The B001/B002/B003 solenoid valves can be mounted in any position without affecting operation. The A024 solenoid valves must be mounted vertical and upright.
- Standard integrated strainers at the inlet port for valve type A024. Strainers are optional for types B001, B002 and B003.
- Pipe connection identifier is E = Rp (ISO 7/1)
- Installation/maintenance instructions are included with each valve.

SPARE PARTS KIT

catalogue number | spare parts kit no.
-----------------|-------------------
EGSCE040B001/B002/B003 | K312984
EGSCE040A024 | K320011

ORDERING EXAMPLES:

<table>
<thead>
<tr>
<th>prefix</th>
<th>pipe thread</th>
<th>voltage</th>
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<tbody>
<tr>
<td>EGSC E040 B 001</td>
<td>Rp</td>
<td>230V / 50 Hz</td>
</tr>
<tr>
<td>EGSC E040 A 024</td>
<td>Rp</td>
<td>115V / 50 Hz</td>
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</table>

ORDERING EXAMPLES KITS:

<table>
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<tr>
<th>basic number</th>
</tr>
</thead>
<tbody>
<tr>
<td>K312984</td>
</tr>
</tbody>
</table>

TYPE 01

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

EGSCE040B001/B002/B003

TYPE 02

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

EGSCE040A024

DIMENSIONS (mm), WEIGHT (kg)

<table>
<thead>
<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>G</th>
<th>H</th>
<th>J</th>
<th>X</th>
<th>weight</th>
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<tbody>
<tr>
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<td>EGSCE040B001/B002</td>
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<td>70</td>
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<tr>
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<td>EGSCE040B003</td>
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<td>50</td>
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<td>83</td>
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<td>88</td>
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<td>33</td>
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<td>50</td>
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<td>112</td>
<td>130</td>
<td>135</td>
<td>55</td>
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</table>

Include coil and connector or metal housing.

Inlet and outlet ports pressure tapping
Rp 1/8 (standard for type A024 and optional for types B001, B002 and B003)