

## 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
- Brass bodied, low pressure valves designed to provide maximum flow
- Direct lift valves with resilient soft seating for tight shut-off
- The solenoid valves do not require a minimum operating pressure

## GENERAL

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

| fluids (*)      | temperature range (TS) | seal materials (*) |
|-----------------|------------------------|--------------------|
| combustible gas | 0°C to +60°C           | NBR (nitrile)      |

## MATERIALS IN CONTACT WITH FLUID

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

|                         |                 |
|-------------------------|-----------------|
| <b>Body</b>             | Brass           |
| <b>Core tube</b>        | Stainless steel |
| <b>Core and plugnut</b> | Stainless steel |
| <b>Spring</b>           | Stainless steel |
| <b>Seat</b>             | Brass           |
| <b>Seals</b>            | NBR             |
| <b>Disc</b>             | NBR             |
| <b>Shading coil</b>     | 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 and 60 Hz on request)

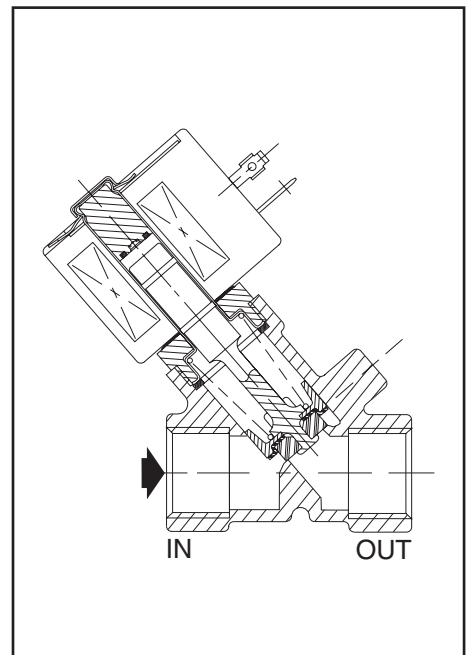
| prefix option | power ratings |           |          |   | operator ambient temperature range (TS)<br>(C°) | replacement coil |             | type <sup>(1)</sup> |
|---------------|---------------|-----------|----------|---|---|------------------|-------------|---------------------|
|               | inrush        | holding   |          | = |   | ~                | =           |                     |
|               | ~<br>(VA)     | ~<br>(VA) | ~<br>(W) |   |   | ~<br>(W)         | 230 V/50 Hz |                     |
| EGSC          | 40            | 17        | 6        | - | 0 to +60  | 400919-117       | -           | 01                  |

<sup>(1)</sup> Refer to the dimensional drawings on the following page.

## SPECIFICATIONS

| pipe size                   | orifice size | flow <sup>(2)</sup> |         | operating pressure differential (bar) |           | power coil (W) |   | catalogue number |              |
|-----------------------------|--------------|---------------------|---------|---------------------------------------|-----------|----------------|---|------------------|--------------|
|                             |              |                     |         | min.                                  | max. (PS) |                |   |                  |              |
|                             |              |                     |         |                                       | gas (*)   |                |   |                  |              |
| Rp                          | (mm)         | (m³/h)              | (l/min) | ~                                     | =         | ~              | = | ~                |              |
| <b>NC - Normally closed</b> |              |                     |         |                                       |           |                |   |                  |              |
| 3/8                         | 9,5          | 2,19                | 36,5    | 0                                     | 0,48      | -              | 6 | -                | EGSCE030B010 |
| 1/2                         | 11           | 3,41                | 56,8    | 0                                     | 0,14      | -              | 6 | -                | EGSCE030A016 |

<sup>(2)</sup> For 2,5 mbar pressure drop air 1,0 s.g. at 1,013 mbar and 15°C.



### OPTIONS

- Mounting brackets, suffix MB
- Integrated strainer at the inlet port, used suffix D30
- Connector with visual indication and peak voltage suppression or with cable length of 2 m ([www.asco.com](http://www.asco.com))

### INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- 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. |   |
|------------------|---------------------|---|
|                  | ~                   | = |
| EGSCE030B010     | <b>K312981</b>      | - |
| EGSCE030A016     | <b>K312980</b>      | - |

- Not available.

### ORDERING EXAMPLES:

|      |   |     |   |     |              |
|------|---|-----|---|-----|--------------|
| EGSC | E | 030 | B | 010 | 230V / 50 Hz |
| EG   | E | 030 | A | 016 | 115V / 50 Hz |

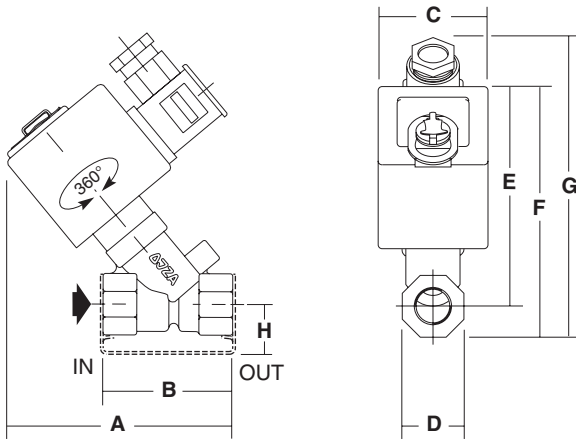
prefix ———  
 pipe thread ———  
 basic number ———  
 voltage ———  
 suffix ———

### ORDERING EXAMPLES KITS:

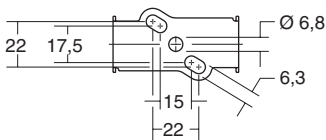
|              |         |
|--------------|---------|
| basic number | K312981 |
|--------------|---------|

### DIMENSIONS (mm), WEIGHT (kg)

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



bottom view  
mounting bracket



| type | prefix option | catalogue number | A  | B  | C  | D  | E  | F  | G   | H  | weight <sup>(1)</sup> |
|------|---------------|------------------|----|----|----|----|----|----|-----|----|-----------------------|
| 01   | EGSC          | EGSCE030B010     | 75 | 48 | 39 | 22 | 77 | 88 | 122 | 20 | 0,5                   |
|      |               | EGSCE030A016     | 87 | 58 | 39 | 28 | 82 | 96 | 130 | 22 | 0,5                   |

<sup>(1)</sup> including coil and connector.

All leaflets are available on: [www.asco.com](http://www.asco.com)