

### FEATURES

- Two way shut-off valves for the control of cold and hot water
- Zero bar minimum operating pressure
- Valves are designed to reduce waterhammer
- Self-cleaning device located in the bleed orifice to guarantee an optimal performance
- The solenoid valves satisfy all relevant EU directives

### GENERAL

**Differential pressure** 0 to 10 bar [1 bar = 100 kPa]  
**Maximum viscosity** 40 cSt (mm²/s)

| fluids (*) | temperature range (TS) | seal materials (*) |
|------------|------------------------|--------------------|
| water      | -20°C to +85°C         | NBR (nitrile)      |

### CONSTRUCTION

**Anti-waterhammer test** EN 60730-2-8 (CENELEC)  
FCI-82-1 (Fluid Controls Institute)

### MATERIALS IN CONTACT WITH FLUID

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

**Body** Brass  
**Internal parts** Stainless steel  
**Springs** Stainless steel  
**Seals, diaphragm and disc** NBR  
**Shading coil** Copper

### ELECTRICAL CHARACTERISTICS

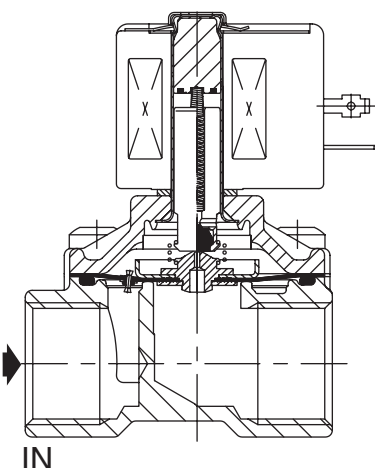
**Coil insulation class** F  
**Connector** Spade plug (cable Ø 6-10 mm)  
**Connector specification** ISO 4400 / EN 175301-803, form A  
**Electrical safety** IEC 335  
**Electrical enclosure protection** Moulded IP65 (EN 60529)  
**Standard voltages** DC (=) : 24V - 48V  
(Other voltages and 60 Hz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

| prefix<br>option | power ratings |              |     |               | operator<br>ambient<br>temperature<br>range (TS)<br>(C°) | replacement coil |            | type <sup>(1)</sup> |
|------------------|---------------|--------------|-----|---------------|----------------------------------------------------------|------------------|------------|---------------------|
|                  | inrush<br>~   | holding<br>~ |     | hot/cold<br>= |                                                          | ~                | =          |                     |
|                  | (VA)          | (VA)         | (W) | (W)           |                                                          | 230 V/50 Hz      | 24 V DC    |                     |
| SC               | 34            | 15,6         | 6   | -             | -20 to +75                                               | 400325-117       | -          | 01                  |
|                  | 30            | 22,5         | 9   | 9,5/15,3      | -20 to +50                                               | 400325-217       | 400325-242 |                     |

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

### SPECIFICATIONS

| pipe<br>size         | orifice<br>size | flow<br>coefficient<br>Kv |         | operating pressure<br>differential (bar) |           |    | power coil<br>(W) |      | catalogue<br>number | options |   |   |
|----------------------|-----------------|---------------------------|---------|------------------------------------------|-----------|----|-------------------|------|---------------------|---------|---|---|
|                      |                 |                           |         | min.                                     | max. (PS) |    |                   |      |                     | EPDM    |   |   |
|                      |                 |                           |         |                                          | water (*) |    |                   |      |                     |         |   |   |
|                      |                 |                           |         |                                          | ~         | =  |                   |      |                     |         |   |   |
| G                    | (mm)            | (m³/h)                    | (l/min) |                                          |           |    |                   |      |                     |         |   |   |
| NC - Normally closed |                 |                           |         |                                          |           |    |                   |      |                     |         |   |   |
| 3/8                  | 12,5            | 2,1                       | 35      | 0                                        | 10        | 10 | 6                 | 15,3 | SCG238A044          | E       | - | - |
| 1/2                  | 12,5            | 2,1                       | 35      | 0                                        | 10        | 10 | 6                 | 15,3 | SCG238A046          | E       | - | - |
| 1/2                  | 19              | 4,2                       | 70      | 0                                        | 10        | 10 | 6                 | 15,3 | SCG238A047          | E       | - | - |
| 3/4                  | 19              | 4,5                       | 75      | 0                                        | 10        | 10 | 6                 | 15,3 | SCG238A048          | E       | - | - |
| 3/4                  | 25              | 10                        | 166     | 0                                        | 10        | 10 | 9                 | 15,3 | SCG238A049          | -       | - | - |
| 1                    | 25              | 10                        | 166     | 0                                        | 10        | 10 | 9                 | 15,3 | SCG238A050          | -       | - | - |



### OPTIONS

- Valves can also be supplied with EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (see "Explosionproof solenoids" section)
- WRAS approval
- 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
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

### SPARE PARTS KIT

| catalogue number   | spare parts kit no. |                |
|--------------------|---------------------|----------------|
|                    | ~                   | =              |
| SCG238A044/046     | <b>C132486</b>      | <b>C132487</b> |
| SCG238A045/047/048 | <b>C132488</b>      | <b>C132489</b> |
| SCG238A049/050     | <b>C132490</b>      | <b>C132491</b> |

### ORDERING EXAMPLES:

|           |   |     |          |     |                       |
|-----------|---|-----|----------|-----|-----------------------|
| <b>SC</b> | G | 238 | <b>A</b> | 044 | 230V / 50 Hz          |
| <b>SC</b> | G | 238 | <b>A</b> | 046 | <b>E</b> 115V / 50 Hz |
| <b>SC</b> | G | 238 | <b>A</b> | 049 | 24V / DC              |
| <b>SC</b> | G | 238 | <b>A</b> | 050 | 48V / 50 Hz           |

prefix      pipe thread      basic number      voltage      suffix

### ORDERING EXAMPLES KITS:

|                        |   |
|------------------------|---|
| C132486 <sup>(1)</sup> | E |
| C132489                |   |
| C132490                |   |

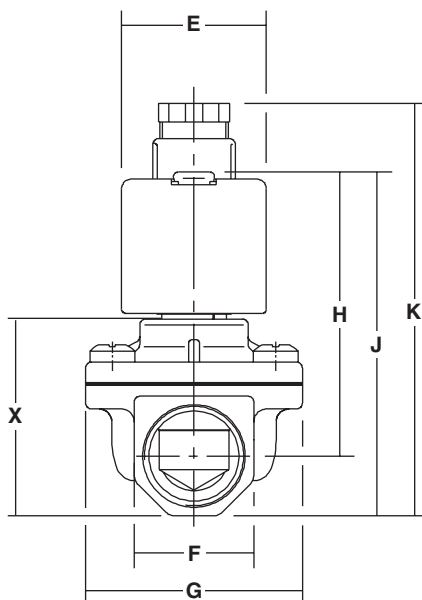
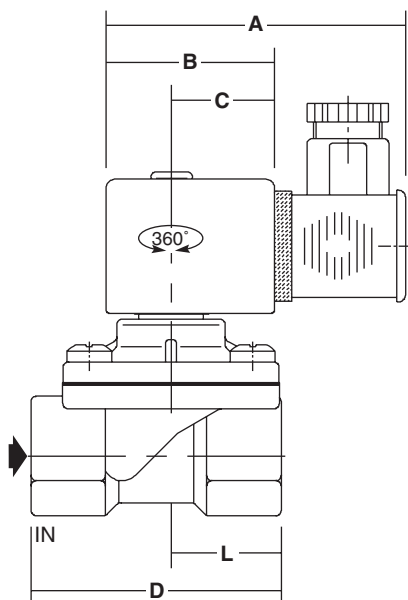
basic number      suffix

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



#### TYPE 01

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



| type | prefix option | catalogue number | A  | B  | C    | D  | E  | F  | G  | H  | J   | K   | L    | X  | weight <sup>(1)</sup> |
|------|---------------|------------------|----|----|------|----|----|----|----|----|-----|-----|------|----|-----------------------|
| 01   | SC            | SCG238A044       | 80 | 45 | 27,5 | 52 | 39 | 27 | 37 | 72 | 85  | 104 | 23   | 40 | 0,55                  |
|      |               | SCG238A046       | 80 | 45 | 27,5 | 52 | 39 | 27 | 37 | 72 | 85  | 104 | 23   | 40 | 0,50                  |
|      |               | SCG238A047       | 80 | 45 | 27,5 | 65 | 39 | 27 | 58 | 74 | 87  | 106 | 29,5 | 42 | 0,75                  |
|      |               | SCG238A048       | 80 | 45 | 27,5 | 67 | 39 | 32 | 58 | 76 | 92  | 111 | 29,5 | 47 | 0,70                  |
|      |               | SCG238A049       | 80 | 45 | 27,5 | 86 | 39 | 41 | 73 | 92 | 112 | 131 | 37   | 67 | 1,30                  |
|      |               | SCG238A050       | 80 | 45 | 27,5 | 86 | 39 | 41 | 73 | 92 | 112 | 131 | 37   | 67 | 1,20                  |

<sup>(1)</sup> Incl. coil(s) and connector(s).