



## SOLENOID VALVE - G1/4

### J Series

Cat No J009 - 06

### 5 / 2 Single solenoid pilot operated valve

#### Features

- ☐ Diaphragm operated poppet seat type
- ☐ Wide range of coil voltages
- ☐ Continuous duty cycle
- ☐ Low temperature of operation
- ☐ Manual operator ( Screw driver type )
- ☐ Noiseless performance
- ☐ Good flow characteristics

#### Technical Specifications

|                                       |                                                   |           |                    |
|---------------------------------------|---------------------------------------------------|-----------|--------------------|
| <b>Model #</b>                        | <b>EL15615</b>                                    |           |                    |
| <b>Port size</b>                      | <b>Inlet, Outlet, Exhaust - G1/4</b>              |           |                    |
| <b>Medium</b>                         | <b>Filtered compressed air</b>                    |           |                    |
| <b>Ambient Temperature</b>            | <b>-10° to +60° C</b>                             |           |                    |
| <b>Medium temperature</b>             | <b>+5° to +50° C</b>                              |           |                    |
| <b>Orifice (NW)</b>                   | <b>6</b>                                          |           |                    |
| <b>Operating pressure range (bar)</b> | <b>2 - 10</b>                                     |           |                    |
| <b>Flow rate (lpm) *</b>              | <b>1100</b>                                       |           |                    |
| <b>Electrical</b>                     |                                                   |           |                    |
| <b>Coil width</b>                     | <b>32 mm</b>                                      |           |                    |
| <b>Voltage (V) ± 10%</b>              | <b>AC ( 50 Hz )<br/>24, 48, 110, 220</b>          | <b>DC</b> |                    |
|                                       |                                                   | <b>12</b> | <b>24, 48, 110</b> |
| <b>Power consumption (Watts)</b>      | <b>6</b>                                          | <b>9</b>  | <b>8</b>           |
| <b>Duty cycle</b>                     | <b>Continuous</b>                                 |           |                    |
| <b>Type of coil protection</b>        | <b>IP65</b>                                       |           |                    |
| <b>Class of insulation</b>            | <b>Class F</b>                                    |           |                    |
| <b>Materials of construction</b>      | <b>Aluminium, Brass, Stainless steel, Nitrile</b> |           |                    |

# For ordering refer page no. 2.1.1

\* at 6 bar inlet, 5 bar outlet, with pressure drop  $\Delta p = 1$  bar

#### Spare parts list

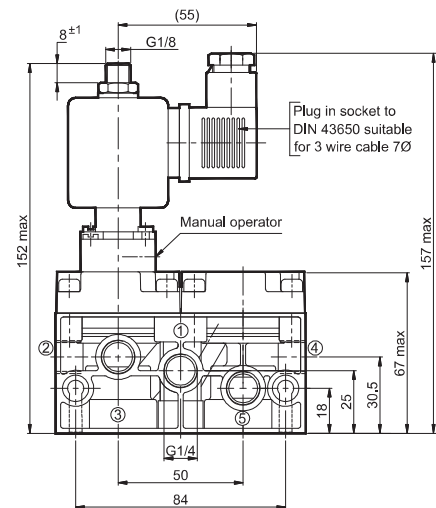
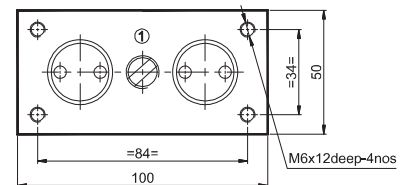
| Ref. No. | Coil ( without socket )                                                                                                                                        | Ordering no. for |          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|
|          | Voltage                                                                                                                                                        | AC               | DC       |
| 1        | 220                                                                                                                                                            | AC11A            | - NA -   |
|          | 110                                                                                                                                                            | AC11B            | DC12Q    |
|          | 48                                                                                                                                                             | AC11D            | DC12S    |
|          | 24                                                                                                                                                             | AC11G            | DC12W    |
|          | 12                                                                                                                                                             | - NA -           | DC15R    |
| 2        | <b>Moving core sub assembly complete</b><br>consists of<br>1. moving core subassembly<br>2. main spring                                                        | SSA0311          | SSA0711  |
| 3        | <b>Solenoid valve sub assembly complete</b><br>( without coil )<br>Consists of<br>1. Solenoid valve sub assembly<br>2. Screws - 2 no's<br>3. 'O'rings - 2 no's | E24001-A         | E24001-D |
|          | <b>Seal kit</b><br>consists of all rubber items for the main valve (4)                                                                                         | SK5611           |          |

#### Caution:

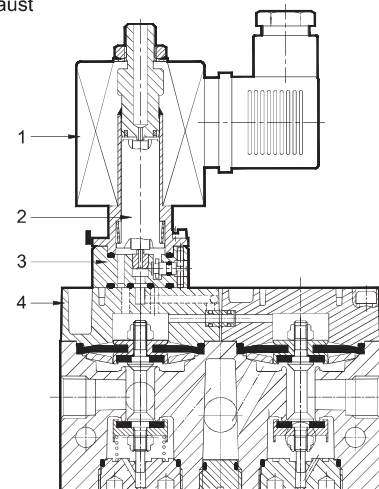
##### A. To ensure proper functioning

1. Please ensure that inlet port is connected to tubing of 6 mm ID minimum from the compressor air source.
2. Exhaust should not be restricted.

##### B. A.C coil should not be used on a D.C coil valve, and vice versa.



- ① - Inlet - 2 nos.
- ② ④ - Outlet
- ③ ⑤ - Exhaust





## SOLENOID VALVE - G1/2

### J Series

Cat No J010 - 06

### 5 / 2 Single solenoid pilot operated valve

#### Features

- ☐ Diaphragm operated poppet seat type
- ☐ Wide range of coil voltages
- ☐ Continuous duty cycle
- ☐ Low temperature of operation
- ☐ Manual operator ( Screw driver type )
- ☐ Noiseless performance
- ☐ Good flow characteristics

#### Technical Specifications

|                                  |                                                   |           |                    |
|----------------------------------|---------------------------------------------------|-----------|--------------------|
| <b>Model #</b>                   | <b>EL15637</b>                                    |           |                    |
| <b>Port size</b>                 | <b>Inlet, Outlet, Exhaust - G1/2</b>              |           |                    |
| <b>Medium</b>                    | <b>Filtered compressed air</b>                    |           |                    |
| <b>Ambient Temperature</b>       | <b>-10° to +60° C</b>                             |           |                    |
| <b>Medium temperature</b>        | <b>+5° to +50° C</b>                              |           |                    |
| <b>Orifice (NW)</b>              | <b>12</b>                                         |           |                    |
| <b>Operating pressure (bar)</b>  | <b>2 - 10</b>                                     |           |                    |
| <b>Cv value</b>                  | <b>3</b>                                          |           |                    |
| <b>Flow rate (lpm) *</b>         | <b>3000</b>                                       |           |                    |
| <b>Electrical</b>                |                                                   |           |                    |
| <b>Coil width</b>                | <b>32 mm</b>                                      |           |                    |
| <b>Voltage (V) ± 10%</b>         | <b>AC ( 50 Hz )</b><br><b>24, 48, 110, 220</b>    | <b>DC</b> |                    |
|                                  |                                                   | <b>12</b> | <b>24, 48, 110</b> |
| <b>Power consumption (Watts)</b> | <b>6</b>                                          | <b>9</b>  | <b>8</b>           |
| <b>Duty cycle</b>                | <b>Continuous</b>                                 |           |                    |
| <b>Type of coil protection</b>   | <b>IP65</b>                                       |           |                    |
| <b>Class of insulation</b>       | <b>Class F</b>                                    |           |                    |
| <b>Materials of construction</b> | <b>Aluminium, Brass, Stainless steel, Nitrile</b> |           |                    |

# For ordering refer page no. 2.1.1

\* at 6 bar inlet, 5 bar outlet, with pressure drop  $\Delta p = 1$  bar

#### Spare parts list

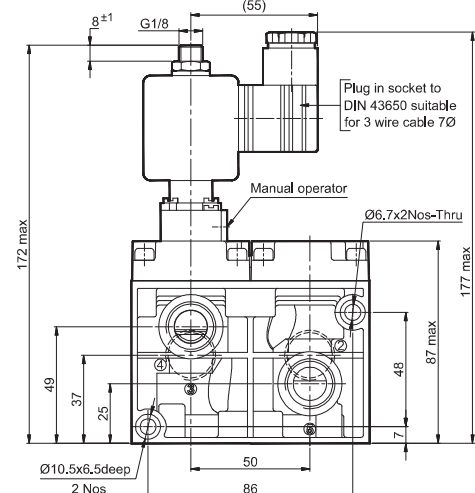
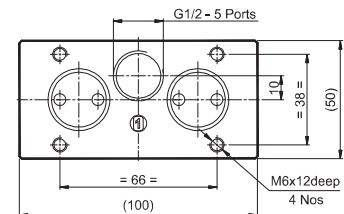
| Ref. No. | Coil ( without socket )                                                                                                                                         | Ordering no. for |          |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|
|          | Voltage                                                                                                                                                         | AC               | DC       |
| 1        | 220                                                                                                                                                             | AC11A            | - NA -   |
|          | 110                                                                                                                                                             | AC11B            | DC12Q    |
|          | 48                                                                                                                                                              | AC11D            | DC12S    |
|          | 24                                                                                                                                                              | AC11G            | DC12W    |
|          | 12                                                                                                                                                              | - NA -           | DC15R    |
| 2        | <b>Moving core sub assembly complete</b><br>consists of<br>1. moving core subassembly<br>2. main spring                                                         | SSA0311          | SSA0711  |
| 3        | <b>Solenoid valve sub assembly complete</b><br>( without coil )<br>Consists of<br>1. Solenoid valve sub assembly<br>2. Screws - 2 no's<br>3. 'O' rings - 2 no's | E24001-A         | E24001-D |
|          | <b>Seal kit</b><br>consists of all rubber items for the main valve (4)                                                                                          | SK5631           |          |

#### Caution:

##### A. To ensure proper functioning

- Please ensure that inlet port is connected to tubing of 10 mm ID minimum from the compressor air source.
- Exhaust should not be restricted.

**B. A.C coil should not be used on a D.C coil valve, and vice versa.**



- ① - Inlet
- ② ④ - Outlet
- ③ ⑤ - Exhaust

