## KT307 series

### Solenoid Valve (3 Port Poppet/Universal Port)

#### How to Order

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KT307</td>
<td>Series Code</td>
</tr>
<tr>
<td>01</td>
<td>Function Symbol: N.C. Action Symbol: Air</td>
</tr>
<tr>
<td>02</td>
<td>Function Symbol: V. Action Symbol: Vacuum</td>
</tr>
<tr>
<td>03</td>
<td>Function Symbol: O. Action Symbol: Oil</td>
</tr>
<tr>
<td>04</td>
<td>Port Type: Nil (Standard)</td>
</tr>
<tr>
<td>05</td>
<td>Port Type: G (G G)</td>
</tr>
<tr>
<td>06</td>
<td>Voltage: AC 100/110V 50/60Hz</td>
</tr>
<tr>
<td>07</td>
<td>Voltage: AC 200/220V 50/60Hz</td>
</tr>
<tr>
<td>08</td>
<td>Voltage: DC 24V</td>
</tr>
<tr>
<td>09</td>
<td>Voltage: DC 12V</td>
</tr>
</tbody>
</table>

#### Features
- A single valve with 6 valve functions. (Universal porting type)
- Continuous high frequency operation available. (Max. 10 C/S)
- Burn proof structure, long service life.
- With the structure of a valve preventing fixation and resistant to dust, it operates perfectly.

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#### Function Symbol

- V: Vacuum + Air
- N.C: 1 Port - Vacuum
- N.O: 3 Port - Vacuum
- Air + Vacuum
- 1 Port - Air
- 3 Port - Vacuum

#### Number of valves on manifold block

<table>
<thead>
<tr>
<th>Code</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>2 pcs</td>
</tr>
<tr>
<td>03</td>
<td>3 pcs</td>
</tr>
<tr>
<td>19</td>
<td>19 pcs</td>
</tr>
<tr>
<td>20</td>
<td>20 pcs</td>
</tr>
</tbody>
</table>

#### Exhaust port

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Common exhaust port</td>
</tr>
<tr>
<td>3</td>
<td>Individual exhaust port</td>
</tr>
</tbody>
</table>

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#### Electrical entry

- G: (Standard) Lead wire - ≥ 300mm
- D: DIN coil + DIN connector
- DUL: DIN coil + DIN connector (UL Approval)
- Z: DIN coil + DIN connector with lamp + Surge suppressor
- ZUL: DIN coil + DIN connector with lamp + Surge suppressor (UL Approval)

* Different wire length is available upon request.

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### Specifications

- Type: Direct attach type, Manifold block attached type
- Port type: Nil (Standard), G (G G)
- Port size: Rc(PT) 1/8, Rc(PT) 1/4
- Number of valves on manifold block: 2 pcs, 3 pcs, 19 pcs, 20 pcs

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* Only for KO series.
### Specifications

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Air, Vacuum, Inert gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port size</td>
<td>Ro(PT) 1/8, 1/4, G1/8, 1/4</td>
</tr>
<tr>
<td>Effective sectional area</td>
<td>3.2mm² (0.18)</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>Air 0<del>9kgf/cm² (0</del>0.9MPa)</td>
</tr>
<tr>
<td></td>
<td>Vacuum 10<del>760Torr (1kPa</del>100kPa abs.)</td>
</tr>
<tr>
<td>Max. operating frequency</td>
<td>10 cycle/sec</td>
</tr>
<tr>
<td>Allowable voltage</td>
<td>±10% rated voltage</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Not required</td>
</tr>
<tr>
<td>Manual Override</td>
<td>Non-locking push button</td>
</tr>
<tr>
<td>Power consumption</td>
<td>DC 4.6W</td>
</tr>
<tr>
<td></td>
<td>AC 13/10VA (50/60Hz)</td>
</tr>
<tr>
<td>Response time (at 5kgf/cm²)</td>
<td>≤ 20ms</td>
</tr>
<tr>
<td>Fluid temperature</td>
<td>-10°C~50°C</td>
</tr>
<tr>
<td>Coil insulation</td>
<td>5°C~80°C</td>
</tr>
<tr>
<td>Weight</td>
<td>162g</td>
</tr>
</tbody>
</table>

### Applications

#### KT307 series

- **Solenoid Valve (3 Port Poppet/Universal Port)**

#### Structure

- **Part no.**
- **Parts**
- **Material**
  1. Body
  2. Spool Spring
  3. Seat
  4. Spool Assy
  5. Stopper Pin
  6. Stopper
  7. Coil Assy
  8. Plunger
  9. Yoke
  10. Button

- **Material**
  - AL D/C
  - SUS
  - Metal
  - AL & Others
  - Stainless Steel
  - Stainless Steel
  - CU & Others
  - Stainless Steel
  - SPC
  - Synthetic Rubber
Dimensions

KT307 - ○ G

Manual button
(Non-Lock)

2-Ø4.5
(When bracket is applied)

Lead Wire
≥ 300mm

3-PT(Rc) 1/8 or 1/4
(1, 2, 3 PORT)

KT307 - ○ D (Z)

Manual button
(Non-Lock)

2-Ø4.5
(When bracket is applied)

Applicable wire diameter
(6~18)

2-W4X0.7 DP7.0
Mounting hole

Mounting bracket
(Optional)
KMF307 Manifold Block

How to Order

KMF307 - 01 - 42

① Series
KMF307 3 port manifold block for KO307 series
KMFG307

② Port size
01 1/8
02 1/4

③ Station
2 2 Stations
3 3 Stations
4 4 Stations
5 5 Stations
6 6 Stations
7 7 Stations
8 8 Stations
9 9 Stations
10 10 Stations
11 11 Stations
12 12 Stations

④ Exhaust port
2 Common exhaust port
3 Individual exhaust port

Dimensions

Common Exhaustion KO307-○ ○-052

Manual button
Mounting hole

www.kccpr.com
Dimensions

Individual Exhaustion
KO307-O-053

Station 2 3 4 5 ... 19 20
L1 76 102 128 154 ... 518 544
L2 64 90 116 142 ... 506 532