Minimatic® J-Series Quick Connect

The Minimatic J-Series quick connect consists of two component parts that are joined to form the complete connector. The valve body contains a 2-way spring-loaded poppet valve that is generally connected to the main air supply. When the poppet is not depressed, the air supply is shut-off by this valve. The Cap contains a valve depressor that when assembled to the valve body, depresses the poppet allowing air to flow from the main supply to circuitry or equipment downstream. Valve body & cap assemblies contain both components.

To order just the cap

**Cap**
- B4 - 1/8" hose barb
- FT - #10-32 female thd.
- PF - Panel mount #10-32 female thd.

**Valve Body**
- B4 - 1/8" hose barb
- MP - 1/8" male NPT thd.
- FT - #10-32 female thd.
- FP - 1/8" female NPT thd.
- MT - #10-32 male thd.
- MQ - 1/4" male NPT thd.

Valve Body & Cap Assemblies

*1/8 Barb - fits 1/8” I.D. hose. Ideal for use with Clippard URH1-0804 polyurethane hose.*

- High flow of 14 scfm @ 100 psig
- Space saving attractive miniature design
- Wide variety of connectors
- Adds convenience to equipment and circuits
- Brass body, electroless nickel plated
- Non-corrosive - Delrin® poppet
- Fills the gap between clumsy, large quick connects and smaller quick connects with less flow
- Buna-N seals, positive shut off
- Positive threaded connection, stays connected
- Medium: Air, Oil, or Water
- Working Pressure: 0 to 150 psig max.

Minimatic J-Series quick connect fittings are very compact yet provide a very high flow. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8” NPT threads (M or F), 1/4” NPT threads (M) or a 1/8” hose single barb configuration.

### Part No. Description

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJQC-B4B4</td>
<td>1/8” Barb Outlet, 1/8” Barb Inlet (MJQC-VB4/MJQC-CB4 Combo)</td>
</tr>
<tr>
<td>MJQC-B4MP</td>
<td>1/8” NPT Outlet, 1/8” Barb Inlet (MJQC-VMP/MJQC-CB4 Combo)</td>
</tr>
</tbody>
</table>

(supplied with mounting nut and two washers)
Caps with Open Flow Path

Minimatic J-Series quick connect fittings are ideal for use in jigs, fixtures, feeding devices, logic control circuitry and automatic or semi-automatic machinery. Assembly is simple, and the tightening of the knurled cap assures a positive, leakproof, high pressure connection that will stay connected.

Valve Bodies with Shut-Off Valve

Minimatic J-Series quick connect fittings are very compact yet provide a high flow of 14 scfm @ 100 psig. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8” NPT threads (M or F), 1/4” NPT threads (M) or a 1/8” hose single barb configuration that is ideal for use with Clippard URH1-0804 polyurethane hose.

*1/8 Barb - fits 1/8” I.D. hose. Ideal for use with Clippard URH1-0804 polyurethane hose.
Push-Quick Fittings with MJQC Quick-Connect Port

These 1/4” fittings combine the quick, easy Push-Quick functionality with the flexibility and security of the Quick-Connect series with no circuit interruption. MJQC Quick-Connect Caps (ordered separately on previous page) attach to the threaded port allowing for a variety of uses.

Part No. Description
PQ-RT08QC Run Tee with 3/8-24 Thread
PQ-BT08QC Branch Tee with 3/8-24 Thread

Quick Connect Assembly

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<tbody>
<tr>
<td>MQC-2S</td>
<td>QC Assembly</td>
</tr>
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</table>

Type: One way check quick connect assembly of valve body MQC-V2 and hose connector MQC-F
Material: Body- brass, Stem- brass
Seals: Buna-N
Working Pressure: 0 to 300 psig
Air Flow: 3.0 scfm @ 50 psig
5.8 scfm @ 100 psig
Triple Barb: Order MQC-2

Quick Connect Assembly

<table>
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<tr>
<td>MQC-3S</td>
<td>QC Assembly</td>
</tr>
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</table>

Type: One way check quick connect assembly of valve body MQC-V3 and hose connector MQC-F
Material: Body- brass, Stem- brass
Seals: Buna-N
Working Pressure: 0 to 300 psig
Air Flow: 3.0 scfm @ 50 psig
5.8 scfm @ 100 psig
Triple Barb: Order MQC-3 or MQC-3-M5 (metric)

Valve Body

<table>
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<tbody>
<tr>
<td>MQC-V2</td>
<td>Valve Body</td>
</tr>
</tbody>
</table>

Material: Brass
Thread: #10-32 male
Mounting: In panel or bracket to 1/4” thick with two 7/16” mounting nuts and lockwashers furnished; also screws directly into operative unit or manifold
Seals: Buna-N
Use: For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2
Options: (-ENP)
All fittings are Brass

### Valve Body

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<tr>
<td>MQC-V3</td>
<td>Valve Body</td>
</tr>
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</table>

- **Thread:** Tapped #10-32
- **Mounting:** In panel or bracket to 1/4" thick with two 7/16" mounting nuts and lockwashers furnished; like MQC-V2, but end is tapped #10-32 instead of threaded
- **Seals:** Buna-N
- **Use:** For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2
- **Options:** (-ENP), (-M5)

### Valve Body

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<td>MQC-VP</td>
<td>Valve Body</td>
</tr>
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- **Thread:** 1/8” NPT base; 5/16-24 body
- **Use:** For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F
- **Seals:** Buna-N
- **Options:** (-ENP), (-MR)

### 1/8” Hose Connector

<table>
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<tr>
<th>Part No.</th>
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<tbody>
<tr>
<td>MQC-FS</td>
<td>Hose Connector</td>
</tr>
</tbody>
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- **Thread:** I.D. of knurled end screws onto male end of valve bodies
- **For Use With:** 1/8” I.D. Vinyl, Buna-N or braided hose
- **Installation:** Simply push hose onto barbed end and secure with hose clamp 5000-1, 5000-2 or 5000-1A.
- **Seals:** Buna-N
- **Options:** (-ENP)
- **Triple Barb:** Order MQC-F

### 1/16” Hose Connector

<table>
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<tr>
<td>MQC-F2S</td>
<td>Hose Connector</td>
</tr>
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- **Thread:** I.D. of knurled end screws onto male end of valve bodies
- **For Use With:** Subminiature VYH1-0402-CLT 1/16” ID vinyl hose
- **Installation:** Simply push hose onto barbed end and secure with slip-over hose clamp furnished
- **Seals:** Buna-N
- **Options:** (-ENP)
- **Triple Barb:** Order MQC-F2

### #10-32 (M5) Tapped Connector

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<th>Part No.</th>
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<tbody>
<tr>
<td>MQC-F1</td>
<td>#10-32 Connector</td>
</tr>
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- **Thread:** Outlet is tapped #10-32 or M5 Metric, I.D. of knurled end screws onto male end of valve bodies: MQC-V2, MQC-V3, MQC-VP
- **Mounting:** Outlet mounts with #10-32 (M5) short ° coupling 11999
- **Seals:** Buna-N
- **Options:** (-ENP), (-M5)

**Tip** When assembling #10-32 threaded fittings with gaskets, turn the fitting in until the gasket contacts the surface. Then give the fitting less than a 1/4 turn to achieve a good seal.