

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.

M J Q C - □ □ □ □

Cap

- B4** - 1/8" hose barb
- FT** - #10-32 female thd.
- PF** - Panel mount #10-32 female thd.
- PB** - Panel mount 1/8" hose barb
- MP** - 1/8" male NPT thd.
- MQ** - 1/4" male NPT thd.

Valve Body

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

To order just the cap

M J Q C - C □ □

To order just the valve body

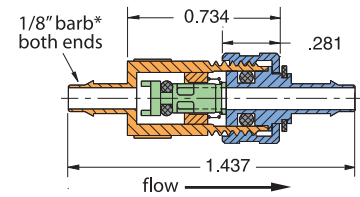
M J Q C - V □ □

Valve Body & Cap Assemblies

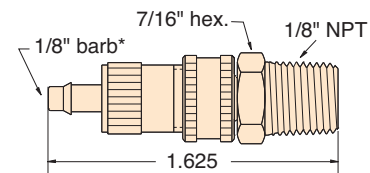
*1/8" Barb - fits 1/8" I.D. hose. Ideal for use with Clippard [URH1-0804](#) polyurethane hose.

- 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.

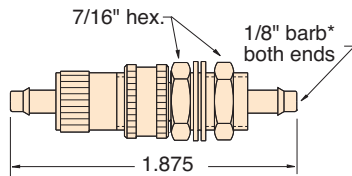
Minimatic J-Series quick connect fittings are very compact yet provide a very high flow. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8" NPT threads (M or F), 1/4" NPT threads (M) or a 1/8" hose single barb configuration.



Part No.	Description
MIQC-B4B4	1/8" Barb Outlet, 1/8" Barb Inlet (MJQC-VB4/MJQC-CB4 Combo)

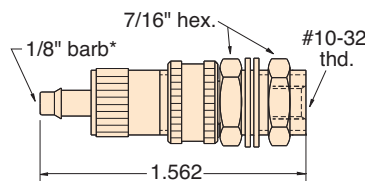


Part No.	Description
MIQC-MPB4	1/8" Barb Outlet, 1/8" NPT Inlet (MJQC-VB4/MJQC-CMP Combo)



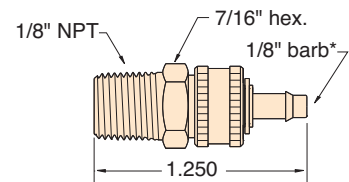
Part No.	Description
MIQC-PBB4	1/8" Barb Outlet, 1/8" Barb Inlet with Thread (MJQC-VB4/MJQC-CPB Combo)

(supplied with mounting nut and two washers)



Part No.	Description
MIQC-PFB4	1/8" Barb Outlet, #10-32 Inlet (MJQC-VB4/MJQC-CPF Combo)

(supplied with mounting nut and two washers)



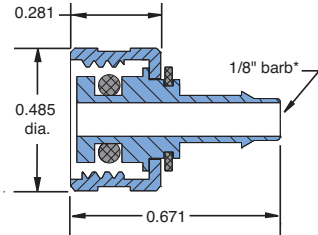
Part No.	Description
MIQC-B4MP	1/8" NPT Outlet, 1/8" Barb Inlet (MJQC-VMP/MJQC-CB4 Combo)



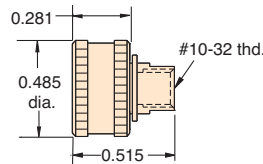
MINIMATIC® J-SERIES QUICK CONNECT FITTINGS

Caps with Open Flow Path

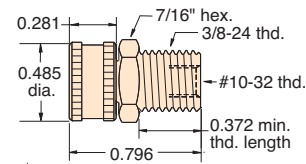
Minimatic J-Series quick connect fittings are ideal for use in jigs, fixtures, feeding devices, logic control circuitry and automatic or semi-automatic machinery. Assembly is simple, and the tightening of the knurled cap assures a positive, leakproof, high pressure connection that will stay connected.



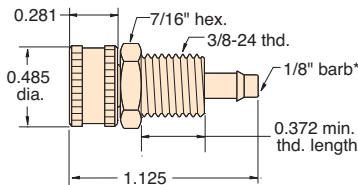
Part No. MIQC-CB4 **Description**
1/8" Barb



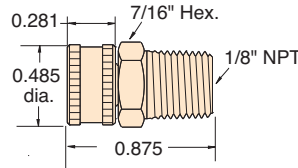
Part No. MIQC-CFT **Description**
#10-32



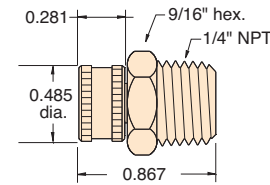
Part No. MIQC-CPF **Description**
3/8" Thread



Part No. MIQC-CPB **Description**
1/8" Barb
(supplied with mounting nut and two washers)



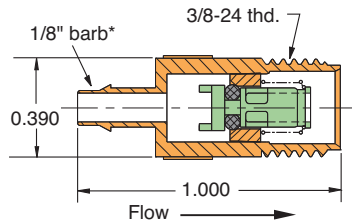
Part No. MIQC-CMP **Description**
1/8" NPT



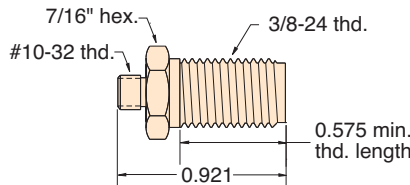
Part No. MIQC-CMQ **Description**
1/4" NPT

Valve Bodies with Shut-Off Valve

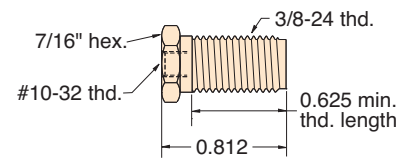
Minimatic J-Series quick connect fittings are very compact yet provide a high flow of 14 scfm @ 100 psig. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8" NPT threads (M or F), 1/4" NPT threads (M) or a 1/8" hose single barb configuration that is ideal for use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



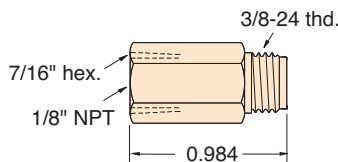
Part No. MIQC-VB4 **Description**
1/8" Barb, 3/8-24 Thd.



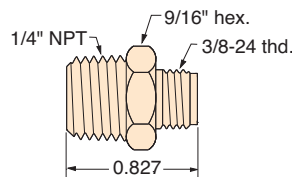
Part No. MIQC-VMT **Description**
#10-32 Male, 3/8-24 Thd.
(supplied with mounting nut and two washers)



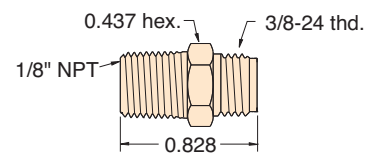
Part No. MIQC-VFT **Description**
#10-32 Female, 3/8-24 Thd.
(supplied with mounting nut and two washers)



Part No. MIQC-VFP **Description**
1/8" NPT Female, 3/8-24 Thd.



Part No. MIQC-VMQ **Description**
1/4" NPT Male, 3/8-24 Thd.



Part No. MIQC-VMP **Description**
1/8" NPT Male, 3/8-24 Thd.

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

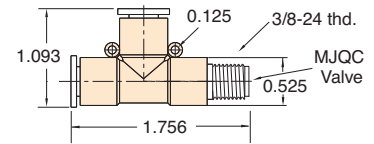
Push-Quick Fittings with MJQC Quick-Connect Port



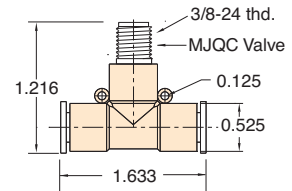
These 1/4" fittings combine the quick, easy Push-Quick functionality with the flexibility and security of the Quick-Connect series with no circuit interruption. MJQC Quick-Connect Caps (ordered separately on previous page) attach to the threaded port allowing for a variety of uses.

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

- Serves as an easy connection point for temporary functions/circuitry
- Quickly test for air flow
- Easy connection to valves, cylinders, hose, etc.
- Check air pressure via a gauge
- Use as a dump valve/vent

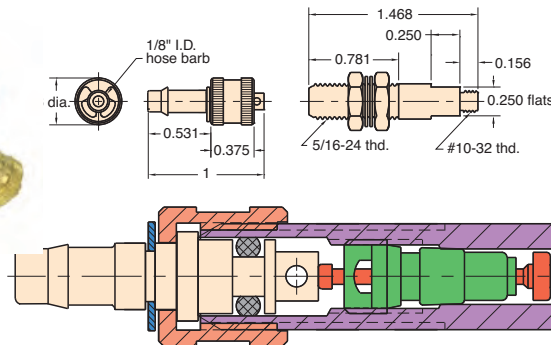


PQ-RT08QC



PQ-BT08QC

Quick Connect Assembly



Flow ←

Part No.	Description
MQC-2S	QC Assembly

Type: One way check quick connect assembly of valve body MQC-V2 and hose connector MQC-F

Material: Body- brass, Stem- brass

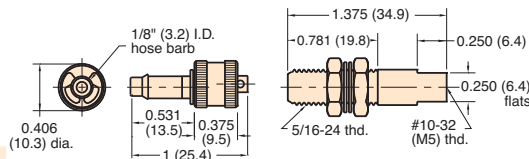
Seals: Buna-N

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



Part No.	Description
MQC-3S	QC Assembly

Type: One way check quick connect assembly of valve body MQC-V3 and hose connector MQC-F

Material: Body- brass, Stem- brass

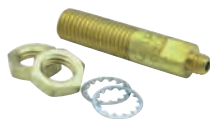
Seals: Buna-N

Working Pressure: 0 to 300 psig

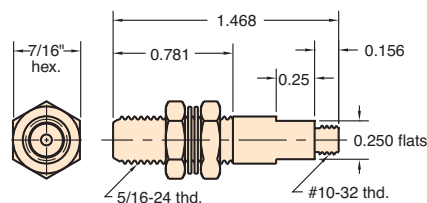
Air Flow: 3.0 scfm @ 50 psig
5.8 scfm @ 100 psig

Triple Barb: Order MQC-3 or MQC-3-M5 (metric)

Valve Body



Part No.	Description
MQC-V2	Valve Body



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)

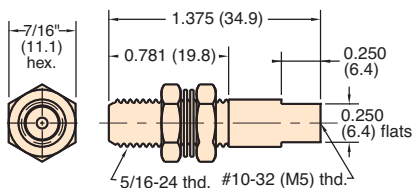




MINIMATIC® QUICK CONNECT

All fittings are Brass

Valve Body



Part No.	Description
<u>MQC-V3</u>	Valve Body

MQC-V3 Valve Body

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

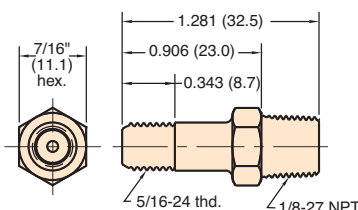
Seals: Buna-N

Use: For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2

Options: (-ENP), (-M5)



Valve Body



Part No.	Description
<u>MQC-VP</u>	Valve Body

MQC-VP Valve Body

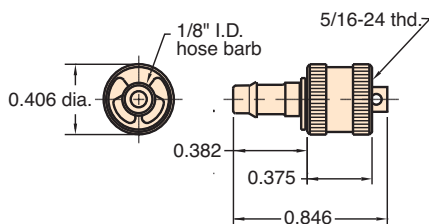
Thread: 1/8" NPT base; 5/16-24 body

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



Part No.	Description
<u>MQC-FS</u>	Hose Connector

MQC-FS Hose Connector

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

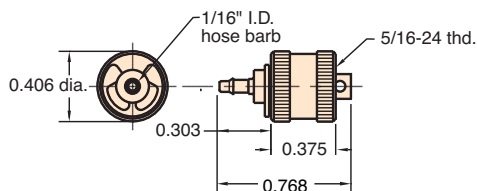
Installation: Simply push hose onto barbed end and secure with hose clamp 5000-1, 5000-2 or 5000-1A.

Seals: Buna-N

Options: (-ENP)

Triple Barb: Order MQC-F

1/16" Hose Connector



Part No.	Description
<u>MQC-F2S</u>	Hose Connector

MQC-F2S Hose Connector

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

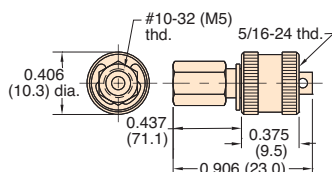
Seals: Buna-N

Options: (-ENP)

Triple Barb: Order MQC-F2



#10-32 (M5) Tapped Connector



Part No.	Description
<u>MQC-FT</u>	#10-32 Connector

MQC-FT #10-32 Connector

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.