

|Pneumatic Connectors



Benefits

- **Allows quick connection of multiple airlines**
- Available in metric and imperial tube sizes
- **Only one panel hole is required**
- Available in mixed tube size configurations
- **MC series two piece construction is ideal for portable equipment**
- Quicker to install than individual fittings
- **Enhances cosmetic appearance of machinery**
- Locater pin and engraving eliminates the chance of misaligned tubes
- **Tubes can be removed and refitted as often as required**
- Acetal material provides excellent chemical resistance
- **MCV valved series enables pressure to be retained in machinery**

MB Bulkhead Series

Technical Data

The MB Bulkhead connector is designed to enable precise and accurate connection of tubes is required, without the need for a detachable plug and socket.

Fittings:	Legris carstick as standard (others available)
Body material:	Black Acetal (others available)
Maximum pressure:	10 bar
Vacuum capacity:	Reduced pressure to 755 mm .hg
Temperature range:	-40°C to 80°C
Panel thickness:	1.5mm to 5.0mm
Working medium:	Compressed air (for others please consult sales)
Place of origin:	All manufactured in the UK
Tube sizes:	4mm, 6mm, 8mm, 10mm and 12mm metric. 1/4" and 3/8" imperial
Dimensions:	Drawings available on product page

Stock Configurations

Part Number	Tube Size	Number of Ways	Body Size
MB040240	4mm	2	40mm
MB040450	4mm	4	50mm
MB040650	4mm	6	50mm
MB040750	4mm	7	50mm
MB040870	4mm	8	70mm
MB041070	4mm	10	70mm
MB041270	4mm	12	70mm
MB041675	4mm	16	75mm
MB060240	6mm	2	40mm
MB060450	6mm	4	50mm
MB060650	6mm	6	50mm
MB060750	6mm	7	50mm
MB080250	8mm	2	50mm
MB080450	8mm	4	50mm
MB080670	8mm	6	70mm
MB080870	8mm	8	70mm

Need a quote?

If you need a quote for one of our stock configuration units, please specify the part number and quantity require. However, please remember over 50% of our manufacturing is bespoke items, so if you have a requirement that is not listed above, do not hesitate to contact the sales office on 0044 (0) 1636 679415 or sales@pneutherm.com

The more information you can give us about your application, the better product we can supply.

MC Series - Plug

Technical Data

The MC Series plug connector is designed to enable precise and accurate connection of tubes when regular connection and disconnection is required. The plug is the floating half of the MC Series.

Fittings:	Legris carstick as standard (others available)
Body material:	Black Acetal (others available)
Maximum pressure:	10 bar
Vacuum capacity:	Reduced pressure to 755 mm .hg
Temperature range:	-40°C to 80°C
Working medium:	Compressed air (for others please consult sales)
Place of origin:	All manufactured in the UK
Tube sizes:	4mm, 6mm, 8mm, 10mm and 12mm metric. 1/4" and 3/8" imperial
Dimensions:	Drawings available on product page

Stock Configurations

Part Number	Tube Size	Number of Ways	Body Size
MC0402P40	4mm	2	40mm
MC0404P50	4mm	4	50mm
MC0406P50	4mm	6	50mm
MC0407P50	4mm	7	50mm
MC0408P70	4mm	8	70mm
MC0410P70	4mm	10	70mm
MC0412P70	4mm	12	70mm
MC0416P70	4mm	16	70mm
MC0602P40	6mm	2	40mm
MC0604P50	6mm	4	50mm
MC0606P50	6mm	6	50mm
MC0607P50	6mm	7	50mm
MC0802P40	8mm	2	40mm
MC0804P50	8mm	4	50mm
MC0806P70	8mm	6	70mm
MC0808P70	8mm	8	70mm

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MC Series - Socket

Technical Data

The MC Series socket connector is designed to enable precise and accurate connection of tubes when regular connection and disconnection is required. The socket is the panel mounted half of the MC Series

Fittings:	Legris carstick as standard (others available)
Body material:	Black Acetal (others available)
Maximum pressure:	10 bar
Vacuum capacity:	Reduced pressure to 755 mm .hg
Temperature range:	-40°C to 80°C
Panel thickness:	1.5mm to 5.0mm
Working medium:	Compressed air (for others please consult sales)
Place of origin:	All manufactured in the UK
Tube sizes:	4mm, 6mm, 8mm, 10mm and 12mm metric. 1/4" and 3/8" imperial
Dimensions:	Drawings available on product page

Stock Configurations

Part Number	Tube Size	Number of Ways	Body Size
MC0402S40	4mm	2	40mm
MC0404S50	4mm	4	50mm
MC0406S50	4mm	6	50mm
MC0407S50	4mm	7	50mm
MC0408S70	4mm	8	70mm
MC0410S70	4mm	10	70mm
MC0412S70	4mm	12	70mm
MC0416S70	4mm	16	70mm
MC0602S40	6mm	2	40mm
MC0604S50	6mm	4	50mm
MC0606S50	6mm	6	50mm
MC0607S50	6mm	7	50mm
MC0802S40	8mm	2	40mm
MC0804S50	8mm	4	50mm
MC0806S70	8mm	6	70mm
MC0808S70	8mm	8	70mm

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MCV Series - Plug

Technical Data

The MCV Series plug connector is designed to enable precise and accurate connection of tubes when regular connection and disconnection is required. The plug is the floating half of the MCV Series, this side of the connector doesn't contain the valve mechanisms.

Fittings:	Legris carstick as standard (others available)
Body material:	Black Acetal (others available)
Maximum pressure:	10 bar
Vacuum capacity:	Reduced pressure to 755 mm .hg
Temperature range:	-40°C to 80°C
Working medium:	Compressed air (for others please consult sales)
Place of origin:	All manufactured in the UK
Tube sizes:	4mm, 6mm, 8mm, 10mm and 12mm metric. 1/4" and 3/8" imperial
Dimensions:	Drawings available on product page

Stock Configurations

Part Number	Tube Size	Number of Ways	Body Size
MCV0402P40	4mm	2	40mm
MCV0404P50	4mm	4	50mm
MCV0406P50	4mm	6	50mm
MCV0407P50	4mm	7	50mm
MCV0408P70	4mm	8	70mm
MCV0410P70	4mm	10	70mm
MCV0412P70	4mm	12	70mm
MCV0416P70	4mm	16	70mm
MCV0602P40	6mm	2	40mm
MCV0604P50	6mm	4	50mm
MCV0606P50	6mm	6	50mm
MCV0607P50	6mm	7	50mm
MCV0802P40	8mm	2	40mm
MCV0804P50	8mm	4	50mm
MCV0806P70	8mm	6	70mm
MCV0808P70	8mm	8	70mm

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MCV Series - Socket

Technical Data

The MCV Series socket connector is designed to enable precise and accurate connection of tubes when regular connection and disconnection is required. The socket is the panel mounted half of the MCV Series, with the check valves inside, this ensures that pressure remains within your machinery even when the plug is disconnected.

Fittings:	Legris carstick as standard (others available)
Body material:	Black Acetal (others available)
Maximum pressure:	10 bar
Vacuum capacity:	Reduced pressure to 755 mm .hg
Temperature range:	-40°C to 80°C
Panel thickness:	1.5mm to 5.0mm
Working medium:	Compressed air (for others please consult sales)
Place of origin:	All manufactured in the UK
Tube sizes:	4mm, 6mm, 8mm, 10mm and 12mm metric. 1/4" and 3/8" imperial
Dimensions:	Drawings available on product page

Stock Configurations

Part Number	Tube Size	Number of Ways	Body Size
MCV0402P40	4mm	2	40mm
MCV0404P50	4mm	4	50mm
MCV0406P50	4mm	6	50mm
MCV0407P50	4mm	7	50mm
MCV0408P70	4mm	8	70mm
MCV0410P70	4mm	10	70mm
MCV0412P70	4mm	12	70mm
MCV0416P70	4mm	16	70mm
MCV0602P40	6mm	2	40mm
MCV0604P50	6mm	4	50mm
MCV0606P50	6mm	6	50mm
MCV0607P50	6mm	7	50mm
MCV0802P40	8mm	2	40mm
MCV0804P50	8mm	4	50mm
MCV0806P70	8mm	6	70mm
MCV0808P70	8mm	8	70mm

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Tubesocks and Dustcaps

Technical Data

The Acetal tubesock is designed to shield and protect the tube bundle as they enter the fittings on our range of MC and MCV connectors.

Dustcaps are designed to protect the threads and fittings of MC and MCV connectors while the mating plug or socket is not in place.

Body material: Black Acetal (others available)
 Temperature range: -40°C to 80°C
 Working medium: Compressed air (for others please consult sales)
 Place of origin: All manufactured in the UK
 Dimensions: Drawings available on product page

Stock Configurations

Tubesocks			
Part Number	Threaded	Thread Size	Body Size
MC40B	No	n/a	40mm
MC40BT	Yes	M20 x 1.5	40mm
MC50B	No	n/a	50mm
MC50BT	Yes	M25 x 1.5	50mm
MC70B	No	n/a	70mm
MC70BT	Yes	M32 x 1.5	70mm
Dustcaps			
Part Number	Socket or Plug	Range	Body Size
MC40DCP	Plug	Metric	40mm
MC40DCS	Socket	Metric	40mm
MC50DCP	Plug	Metric	50mm
MC50DCS	Socket	Metric	50mm
MC70DCP	Plug	Metric	70mm
MC70DCS	Socket	Metric	70mm

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Umbilical Assemblies

Product Benefits

The umbilical assemblies are designed to complement our range of connectors. In many applications our customers have made their own hose assemblies to transfer the medium (usually compressed air) from the source to the machinery. The umbilical assembly gives the customer the opportunity to connect up to 16 tubes, in 50 meter lengths.

- Umbilical assemblies are available with 3 different types of conduit/hose to suit applications. Type SN (standard weight black nylon), type SPC (general purpose PVC) or type SS (stainless steel conduit).
- Units can come ready assembled with multi-tube connectors (plug halves attached to conduit), or they can come with conduit fittings for customers to make their own connections.
- Umbilical assemblies can be specified in many standard or bespoke configurations, please see below ordering information details.

Ordering Information

When specifying an umbilical assembly please provide the following information ([examples in blue](#));

- Connector reference on end – [MC0412P70](#)
- Tubesock reference – [MC70BT](#)
- Conduit reference – [Type SN 25mm diameter](#)
- Tube size – [4mm](#)
- Number of ways – [12 ways](#)
- Length of conduit – [50m](#)
- Tubesock reference for opposite end - [none](#)
- Connector reference for opposite end - [none](#)

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