

## MC series — Metric Plug assembly



### Why choose an MC Plug?

The MC series standard range is designed to enable quick precise connection in applications requiring multiple air lines. The plug is designed for use in a fixed position or the connecting piece of an umbilical hose assembly.

Up to 16 tubes can be connected with one simple operation and with just one hole in the panel or bulkhead.

The unique locating device and precision engraving of the tube numbering ensures mis-matched tubes are impossible.

The standard material used ensures good resistance to chemical contamination and excellent operational durability at both low and high ambient temperatures.

The pleasing cosmetic appearance of the assembly ensures it will sit discretely in most applications.

All the push in fittings used are barb free and tubes can be therefore fitted and removed countless times without any damage to the connector or application.

The cost of the MC connector range ensures that not only is it superior functionally, but will save time in installation and in future maintenance situations.

### What other products can we utilise with the MC Plug?

MC standard Sockets (usually used as the panel mounted fixed half, see data sheet In this MC section)

MC standard Tube Socks (designed to neatly arrange incoming tubes to prevent damage or contamination at the entry to Plug fittings see data sheet in this MC section)

MC standard Dust Caps (designed to prevent contaminants getting into the threads or fittings during periods when the plug is not connected to the socket, the dust caps are not pressure seals, see data sheet in this MC section)

Umbilical assemblies (Pneu-Therm can custom build your umbilical to enable simple installation of flexible hose sets up to 50 metres long, see data sheets in Umbilical section of this brochure for the standard range available or contact our sales office for Technical assistance).

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### Technical Data

Fittings	:	Legris carstick as standard (others available to order)
Body Material	:	Acetal
Internal Parts	:	Precision ground Acetal
O rings	:	Nitrile
Lubrication	:	Silicone free food grade EP2 grease
Maximum pressure	:	18 bar
Vacuum capacity	:	Reduced pressure to 755 mm .hg
Operating temperature range	:	- 40°C to 80°C
Acceptable panel thickness	:	0 to 5 mm
Working medium	:	Compressed Air (for others please consult factory)
Place of origin	:	With the exception of the fittings & O rings, all manufactured in the UK
Standard tube sizes	:	4 mm, 6 mm, 8 mm, 10 mm
Dimensions	:	See drawing section of this brochure

### Stock Sizes

Part number	Tube size	Number of ways	Body size
C-MC0402P40	4 mm	2	40 mm
C-MC0404P50	4 mm	4	50 mm
C-MC0406P50	4 mm	6	50 mm
C-MC0407P50	4 mm	7	50 mm
C-MC0408P70	4 mm	8	70 mm
C-MC0410P70	4 mm	10	70 mm
C-MC0412P70	4 mm	12	70 mm
C-MC0416P75	4 mm	16	75 mm
C-MC0602P40	6 mm	2	40 mm
C-MC0604P50	6 mm	4	50 mm
C-MC0606P50	6 mm	6	50 mm
C-MC0607P50	6 mm	7	50 mm
C-MC0802P40	8 mm	2	40 mm
C-MC0804P50	8 mm	4	50 mm
C-MC0806P70	8 mm	6	70 mm
C-MC0808P70	8 mm	8	70 mm

Other configurations, including mixed tube sizes available to order, please consult our sales office

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