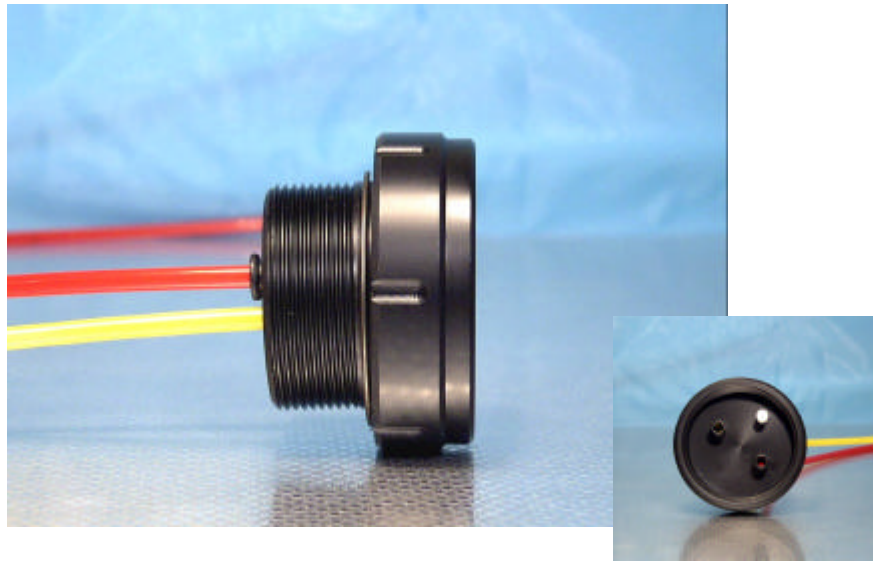


## MCV series — Metric Plug assembly



### Why choose an MCV Plug?

The MCV series are designed to enable quick precise connection in applications requiring multiple air lines, the unique shut off valve arrangement in the mating socket, means air will not escape from the process until the plug is fully connected. The plug is designed for use as the floating half / 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 & precision engraving of the tube numbering ensures mismatched 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 MCV 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 MCV Standard

MCV Sockets (usually used as the main panel mounted / fixed piece, see data sheets in this section)

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

MC Dust Caps (designed to prevent contaminants getting into the threads or fittings during periods when the plug is not connected to the socket, see data sheet in 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 Umbilical section for the standard range available or contact our sales office for Technical assistance.

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## MCV — Series Metric Plug Assembly

### Technical Data

Fittings	:	Legris carstick as standard
Body Material	:	Acetal
Internal Parts	:	Precision ground Acetal
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

### Stock Sizes

Part number	Tube size	Number of ways	Body size
C-MCV0402P50	4 mm	2	50 mm
C-MCV0404P50	4 mm	4	50 mm
C-MCV0406P50	4 mm	6	50 mm
C-MCV0407P50	4 mm	7	50 mm
C-MCV0408P70	4 mm	8	70 mm
C-MCV0410P70	4 mm	10	70 mm
C-MCV0412P70	4 mm	12	70 mm
C-MCV0416P75	4 mm	16	75 mm
C-MCV0602P50	6 mm	2	50 mm
C-MCV0604P50	6 mm	4	50 mm
C-MCV0606P50	6 mm	6	50 mm
C-MCV0607P50	6 mm	7	50 mm
C-MCV0802P50	8 mm	2	50 mm
C-MCV0804P50	8 mm	4	50 mm
C-MCV0806P70	8 mm	6	70 mm
C-MCV0808P70	8 mm	8	70 mm

Other configurations, including mixed tube sizes available to order

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