

MCVH series — Imperial Plug assembly



Unit shown Standard MCV

Why choose an MCVH Plug?

The MCVH 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 pass from the process until the plug is fully connected. The range is designed for use where protection against contaminants or physical damage is required. The units are all Stainless Steel. The plug is designed for use as 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 & 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 MCVH 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 MCVH Plug?

MCVH Sockets (usually used as the main panel mounted/ fixed piece, see data sheet in this section).

MCH Tubesocks (designed to neatly arrange incoming tubes to prevent damage or contamination at the entry to Plug fittings, see data sheet in MCH section).

MCH 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 MCH 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 sheet in Umbilical section for the standard range available or contact our sales office for Technical assistance).

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Technical Data

Fittings	:	Legris carstick as standard
Body Material	:	303 stainless steel
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 (.190")
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	:	1/8, 1/4, 5/16, 3/8"
Dimensions	:	See drawing section of this brochure

Stock Sizes

Part number	Tube size "	Number of ways	Body size "
C-MCVH1802P50	1/8	2	1.96
C-MCVH1804P50	1/8	4	1.96
C-MCVH1806P50	1/8	6	1.96
C-MCVH1807P50	1/8	7	1.96
C-MCVH1808P70	1/8	8	2.75
C-MCVH1810P70	1/8	10	2.75
C-MCVH1812P70	1/8	12	2.75
C-MCVH1816P75	1/8	16	2.95
C-MCVH1402P50	1/4	2	1.96
C-MCVH1404P50	1/4	4	1.96
C-MCVH1406P50	1/4	6	1.96
C-MCVH1407P70	1/4	7	2.75
C-MCVH5602P50	5/16	2	1.96
C-MCVH5604P50	5/16	4	1.96
C-MCVH5606P70	5/16	6	2.75
C-MCVH5608P70	5/16	8	2.95

Other configurations, including mixed tube sizes available to order

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