

MCH series — Imperial Plug assembly



Why choose an MCH Plug?

The MCH series standard range is designed to enable quick precise connection in applications requiring multiple air lines. The plug is designed for use as the connecting piece of an umbilical hose assembly, the MCH series is designed for use in heavier duty applications when resistance to contaminants or physical strength maybe required.

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 MCH 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 MCH Imperial Plug?

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

MCH Tube Socks (designed to neatly arrange incoming tubes to prevent damage or contamination at the entry to Plug fittings see data sheet in this 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 this 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-MCH1802P40 | 1/8 | 2 | 1.57 |
| C-MCH1804P50 | 1/8 | 4 | 1.96 |
| C-MCH1806P50 | 1/8 | 6 | 1.96 |
| C-MCH1807P50 | 1/8 | 7 | 1.96 |
| C-MCH1808P70 | 1/8 | 8 | 2.75 |
| C-MCH1810P70 | 1/8 | 10 | 2.75 |
| C-MCH1812P70 | 1/8 | 12 | 2.75 |
| C-MCH1816P75 | 1/8 | 16 | 2.95 |
| C-MCH1402P40 | 1/4 | 2 | 1.57 |
| C-MCH1404P50 | 1/4 | 4 | 1.96 |
| C-MCH1406P50 | 1/4 | 6 | 1.96 |
| C-MCH1407P70 | 1/4 | 7 | 2.75 |
| C-MCH5602P40 | 5/16 | 2 | 1.57 |
| C-MCH5604P50 | 5/16 | 4 | 1.96 |
| C-MCH5606P70 | 5/16 | 6 | 2.75 |
| C-MCH5608P70 | 5/16 | 8 | 2.95 |

Other configurations, including mixed tube sizes available to order

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