

MCH series — Imperial Socket assembly



Why choose an MCH Socket?

The MCH series standard range is designed to enable quick precise connection in applications requiring multiple air lines. The MCH series is designed for use in heavier duty applications where resistance to contaminants or physical damage is required. The units are constructed from stainless steel. The socket is designed for use in a fixed application, usually panel or frame mounted.

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 Socket?

MCH Plugs (usually used as floating half mounted on Hose or umbilical assemblies, see data sheet in this section).

MCH Dust Caps (designed to prevent contaminants getting into the threads or fittings during periods when the socket is not connected to the plug, 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
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 (.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-MCH1802S40	1/8	2	1.57
C-MCH1804S50	1/8	4	1.96
C-MCH1806S50	1/8	6	1.96
C-MCH1807S50	1/8	7	1.96
C-MCH1808S70	1/8	8	2.75
C-MCH1810S70	1/8	10	2.75
C-MCH1812S70	1/8	12	2.75
C-MCH1816S75	1/8	16	2.95
C-MCH1402S40	1/4	2	1.57
C-MCH1404S50	1/4	4	1.96
C-MCH1406S50	1/4	6	1.96
C-MCH1407S70	1/4	7	2.75
C-MCH5602S40	5/16	2	1.57
C-MCH5604S50	5/16	4	1.96
C-MCH5606S70	5/16	6	2.75
C-MCH5608S70	5/16	8	2.95

Other configurations, including mixed tube sizes available to order

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