

For Multi-Port Connection (Manual)

MULTI CUPLA

MAM Type

Multiple air port system

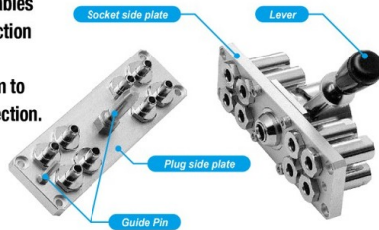
Working pressure
0.7
0.7 MPa
(7 kgf/cm²)

Valve structure
One-way shut-off

Applicable fluid
Air

Simultaneously connects several ports securely in one operation!
Greatly cuts cycle time in multiple ports replacement.

- Handles several ports at once.
- Simple action with lever enables easy connection / disconnection manually.
- Comes with lock mechanism to prevent accidental disconnection.
- Valve on socket side only.



Specifications

Body material	CUPLA : Brass (Chrome plated) Plate : Aluminum alloy (4, 8, 12 ports) / Plate : Steel (16 ports) Locking unit : Steel and others			
Size (Thread)	Rc 1/8			
Pressure unit	MPa	kgf/cm ²	bar	PSI
Working pressure	0.7	7	7	102
Seal material	Seal material	Mark		Working temperature range
Working temperature range	Nitrile rubber	NBR (SG)		-20°C to +60°C

Maximum Tightening Torque

Nm (kgf·cm)

Torque	5 {51}
--------	--------

Interchangeability

No connection is possible between plates with different number of ports.

Minimum Cross-Sectional Area

(mm²)

Per port	15.9
----------	------

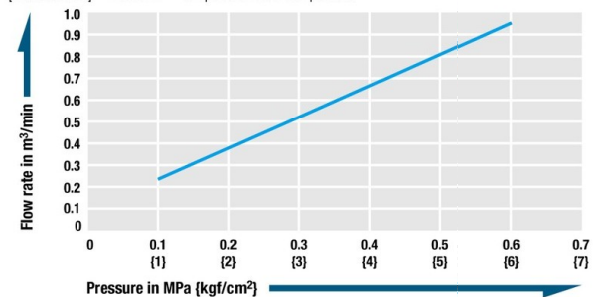
Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

Pressure - Flow Characteristics

Per port with CUPLA

[Test conditions] • Fluid : Air • Temperature : Room temperature



Models and Dimensions

WAF : WAF stands for width across flats.

Model MAM-1TP-4 × MAM-1S-4 (4 port type)

Application (Thread): R 1/8 Mass: 150 g (Plug), 500 g (Socket)

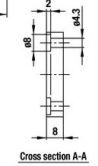
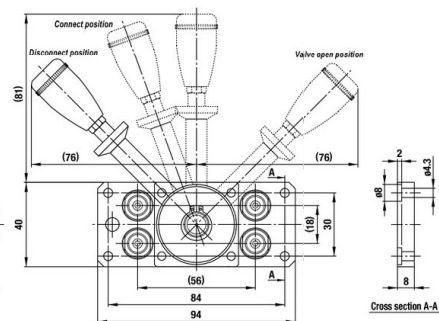
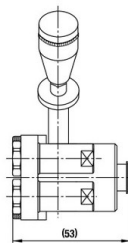
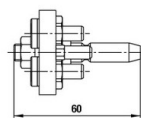
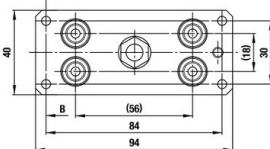
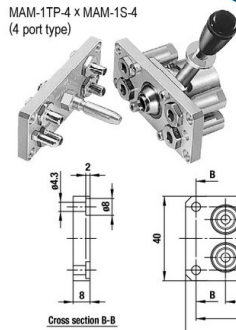
Plug: Model

MAM-1TP-4

Socket: Model

MAM-1S-4

Dimensions (mm)

MAM-1TP-4 × MAM-1S-4
(4 port type)

Model MAM-1TP-8 × MAM-1S-8 (8 port type)

Application (Thread): R 1/8 Mass: 250 g (Plug), 650 g (Socket)

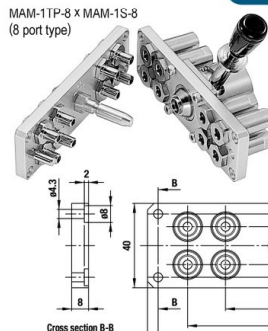
Plug: Model

MAM-1TP-8

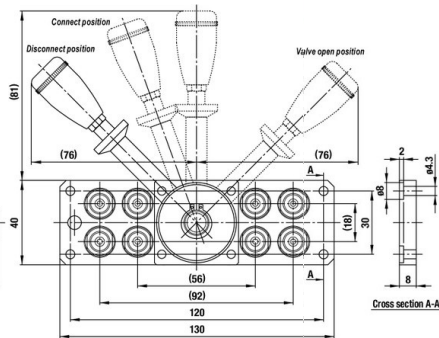
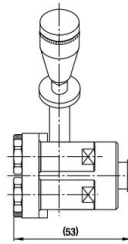
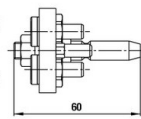
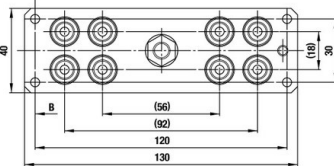
Socket: Model

MAM-1S-8

Dimensions (mm)

MAM-1TP-8 × MAM-1S-8
(8 port type)

Cross section B-B



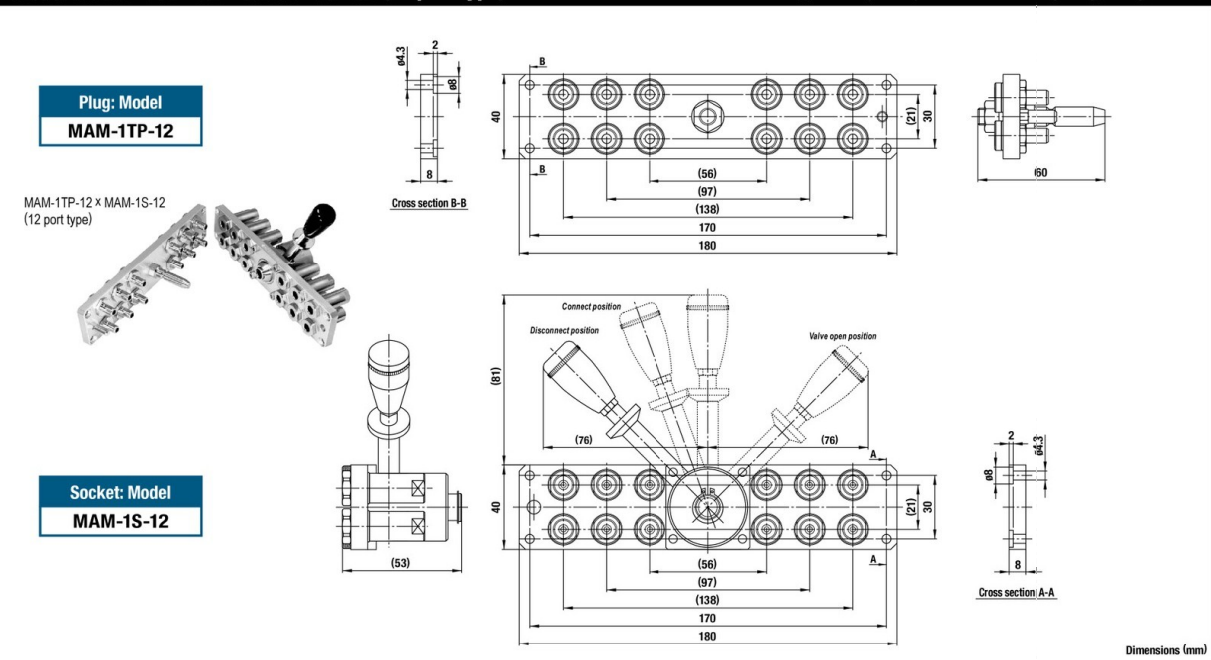
Cross section A-A

MULTI CUPLA MAM Type**Models and Dimensions**

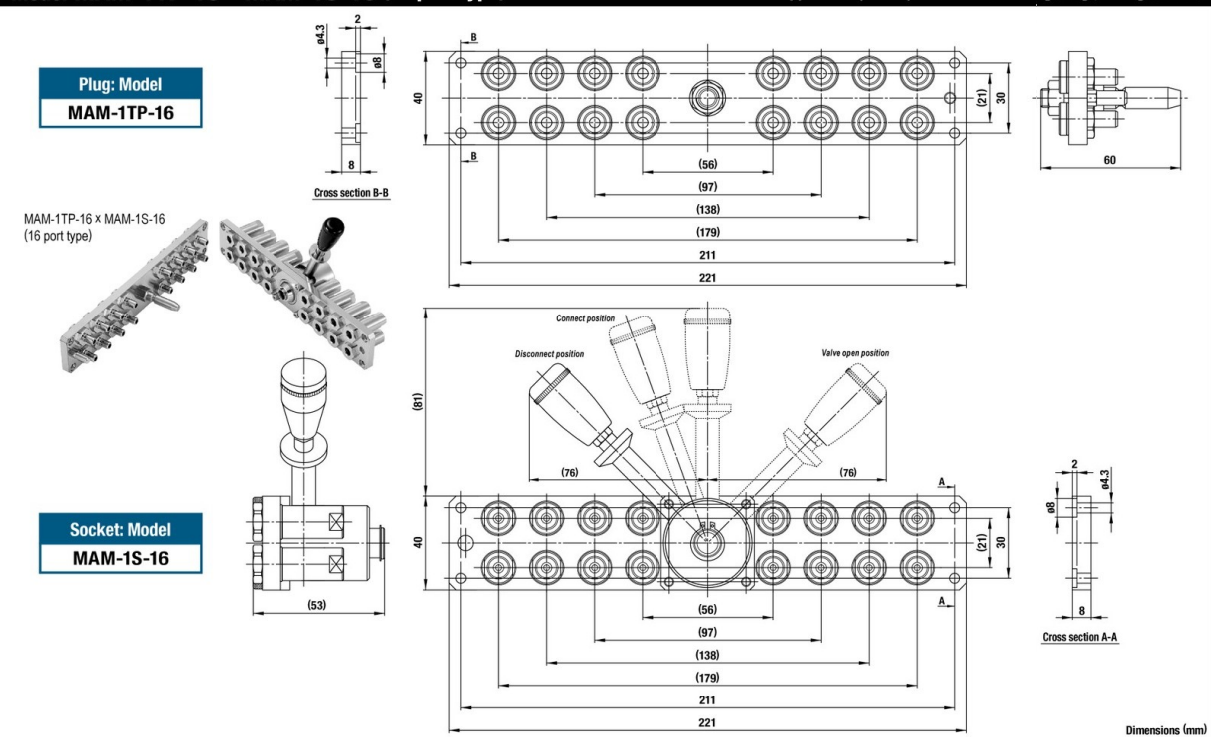
WAF : WAF stands for width across flats.

Model MAM-1TP-12 × MAM-1S-12 (12 port type)

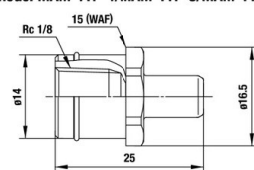
Application (Thread): R 1/8 Mass: 350 g (Plug), 800 g (Socket)

**Model MAM-1TP-16 × MAM-1S-16 (16 port type)**

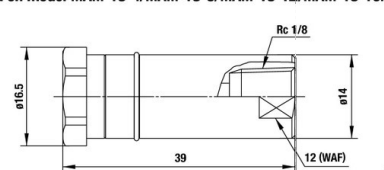
Application (Thread): R 1/8 Mass: 680 g (Plug), 1180 g (Socket)

**Plug Model MAS-1TP (Individual CUPLA)**

- Application (Thread): R 1/8 Mass: 17 g
- Can be mounted on model MAM-1TP-4/MAM-1TP-8/MAM-1TP-12/MAM-1TP-16.

**Socket Model MAS-1S (Individual CUPLA)**

- Application (Thread): R 1/8 Mass: 33 g
- Can be mounted on model MAM-1S-4/MAM-1S-8/MAM-1S-12/MAM-1S-16.



Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.

QUICK CONNECT COUPLER CUPLA

NITTO KOKHI CO., LTD. 108