

For Multi-Port Connection (Manual)

Multi Cupla

MAM-B Type

Multiple port system

Working pressure

1.0
1.0 MPa
(10 kgf/cm²)

Valve structure

Two-way shut-off

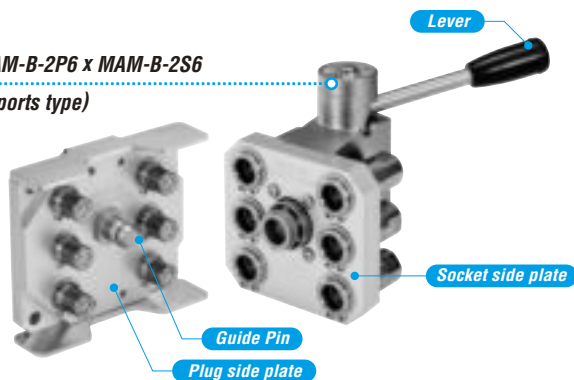
Applicable fluid

Air Water

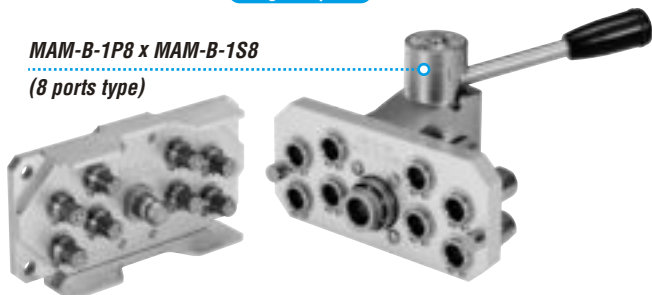
Simultaneously connects several ports securely in one operation. Greatly reduces changeover time in multiple ports replacement.

- Handles several ports at once.
- Simple manual lever action completes easy connection / disconnection.
- Two-stage lever operation prevents Cupla from accidental dropping due to sudden detachment.
- Comes with lock mechanism to prevent accidental disconnection.
- Large flow equivalent to that of SP Cupla Type A.
- Two kinds of plates are available for each size.
- Automatic shut-off valves in both socket and plug prevent fluid spill out on disconnection.
- Self-aligned valve design provides safety sealing of individual socket or plug when disconnected.

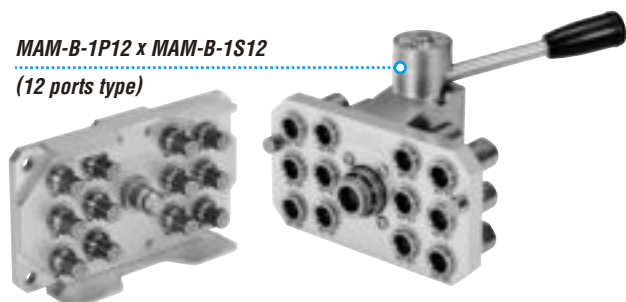
MAM-B-2P6 x MAM-B-2S6
(6 ports type)



MAM-B-1P8 x MAM-B-1S8
(8 ports type)



MAM-B-1P12 x MAM-B-1S12
(12 ports type)



Specifications

Model	Plug	MAM-B-1P8	MAM-B-1P12	MAM-B-2P6	MAM-B-2P8
	Socket	MAM-B-1S8	MAM-B-1S12	MAM-B-2S6	MAM-B-2S8
Number of ports		8	12	6	8
Size (Thread)		1/8"		1/4"	
Body material		Cupla: Brass (Nickel-plated) Plate: Aluminum alloy Locking unit: Steel (Autocatalytic nickel-phosphorus coating)			
Working pressure	MPa	1.0			
	kgf/cm²	10			
	bar	10			
	PSI	145			
Ambient temperature range		0°C to +60°C			
Sealing material		Sealing material	Mark	Working temperature range	Remarks
Working temperature range		Fluoro rubber	FKM (X-100)	-20°C to +180°C	Standard material

Max. Tightening Torque

Nm (kgf·cm)

Size (Thread)	1/8"	1/4"
Torque	5 {51}	9 {92}

Interchangeability

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

Min. Cross-Sectional Area per Port

(mm²)

Model	1SP type	2SP type
Min. cross-sectional area	14	26

Suitability for Vacuum

1.3 x 10⁻¹ Pa (1 x 10⁻² mmHg)

Socket only	Plug only	When connected
—	—	Operational

Admixture of Air on Connection per Port

Admixture of air may vary depending upon the usage conditions. (mL)

Model	1SP type	2SP type
Volume of air	0.6	1.1

Volume of Spillage on Disconnection per Port

Volume of spillage may vary depending upon the usage conditions. (mL)

Model	1SP type	2SP type
Volume of spillage	0.4	0.8

Flow Rate - Pressure Loss Characteristics

Per port of Cupla

[Test conditions] • Fluid : Water • Temperature : 25°C ± 5°C

