

For Multi-Port Connection (Manual)

Multi Cupla MAM-A Type

Multiple port system

Working pressure



Valve structure

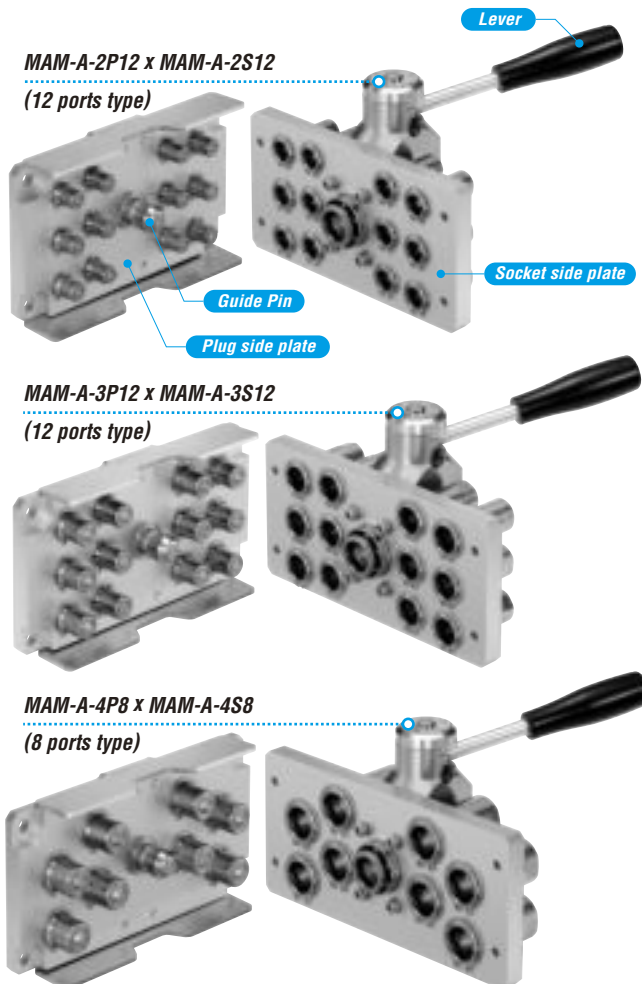


Applicable fluid



**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.



Specifications							
Model	Plug	MAM-A-2P6	MAM-A-2P12	MAM-A-3P6	MAM-A-3P12	MAM-A-4P4	MAM-A-4P8
	Socket	MAM-A-2S6	MAM-A-2S12	MAM-A-3S6	MAM-A-3S12	MAM-A-4S4	MAM-A-4S8
Number of ports		6	12	6	12	4	8
Size (Thread)		1/4"		3/8"		1/2"	
Body material		Cupla: Brass (Nickel-plated) Plate: Aluminum alloy Locking unit: Steel (Autocatalytic nickel-phosphorus coating)					
Working pressure	MPa	1.0					
	kgf/cm ²	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)	1/4"	3/8"	1/2"
Torque	9 {92}	12 {122}	30 {306}

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

Min. Cross-Sectional Area per Port (mm ²)			
Model	2SP type	3SP type	4SP type
Min. cross-sectional area	26	51	73

Suitability for Vacuum			1.3 x 10 ⁻¹ Pa (1 x 10 ⁻³ 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	2SP type	3SP type	4SP type
Volume of air	1.1	2.7	3.9

Volume of Spillage on Disconnection per Port Volume of spillage may vary depending upon the usage conditions. (mL)			
Model	2SP type	3SP type	4SP type
Volume of spillage	0.8	2.1	3.4

Flow Rate - Pressure Loss Characteristics Per port of Cupla

