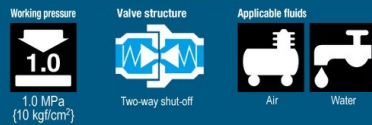


For Multi-Port Connection (Manual)

MULTI CUPLA

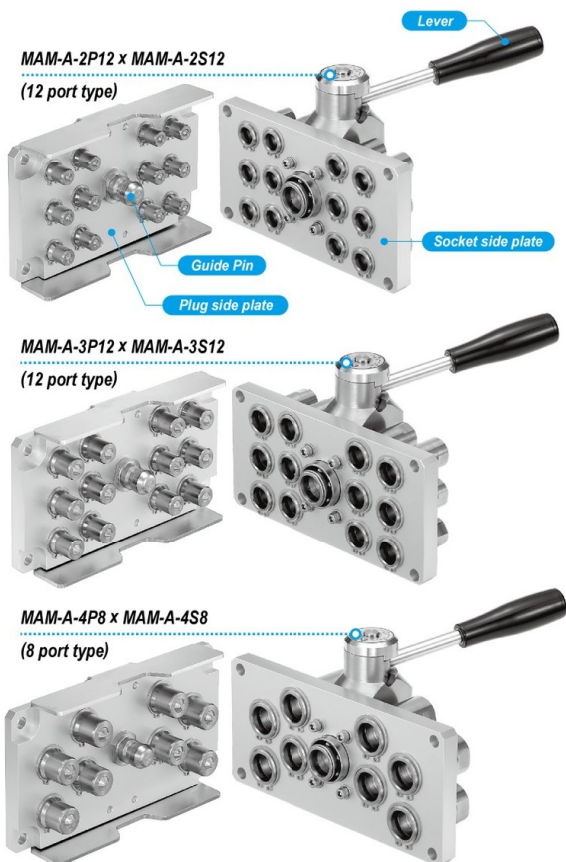
MAM-A Type

Multiple port system



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 (Nickel plated)					
Pressure unit		MPa	kgf/cm ²	bar		PSI	
Working pressure		1.0	10	10		145	
Ambient temperature range		0°C to +60°C					
Seal material		Mark		Working temperature range		Remarks	
Working temperature range		Fluoro rubber		FKM (X-100)		-20°C to +180°C Standard material	

Maximum Tightening Torque

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 or different size.

Minimum Cross-Sectional Area per Port

Model	2SP type	3SP type	4SP type
Minimum cross-sectional area	26	51	73

Suitability for Vacuum

Socket only	Plug only	When connected
—	—	Operational

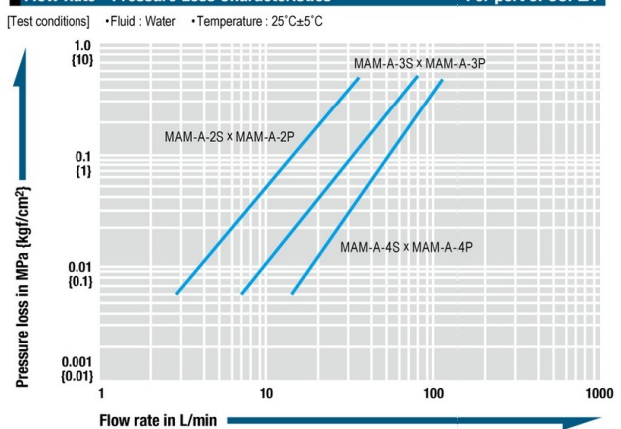
Admixture of Air on Connection per Port

Model	2SP type	3SP type	4SP type
Volume of air	1.1	2.7	3.9

Volume of Spillage on Disconnection per Port

Model	2SP type	3SP type	4SP type
Volume of spillage	0.8	2.1	3.4

Flow Rate - Pressure Loss Characteristics



MULTI CUPLA MAM-A Type

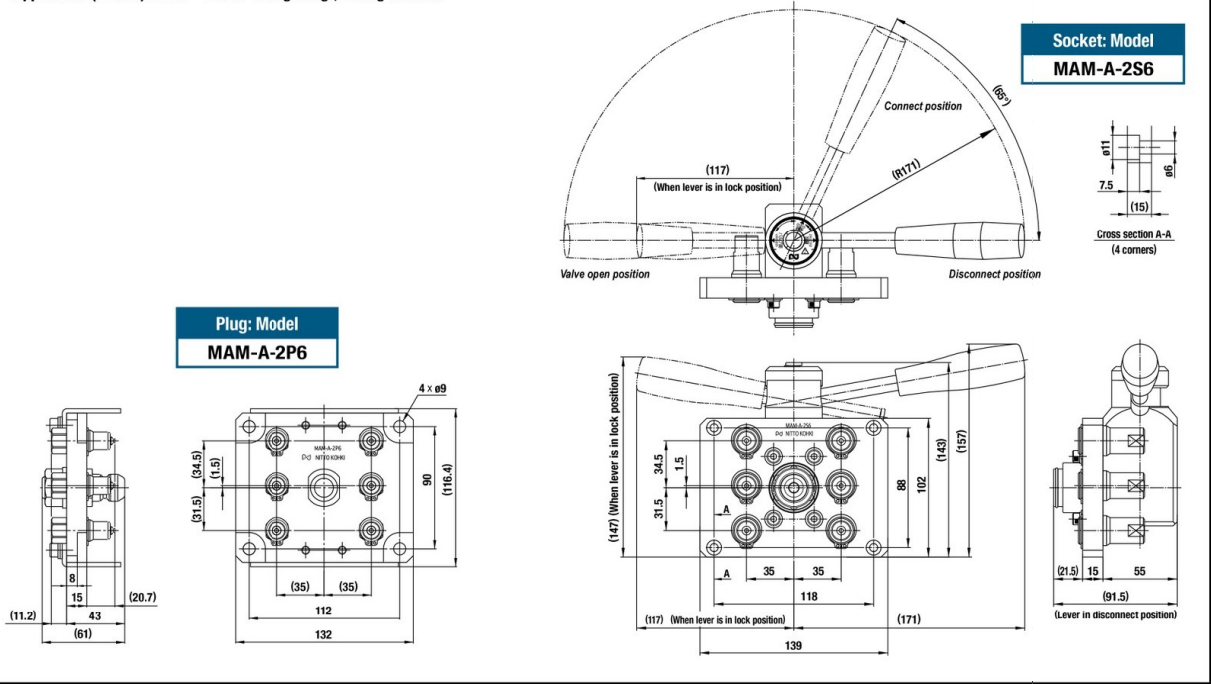
Models and Dimensions

WAF : WAF stands for width across flats.

Model MAM-A-2P6 × MAM-A-2S6 (6 port type)

• Application (Thread): R 1/4 Mass: 1100 g (Plug), 2150 g (Socket)

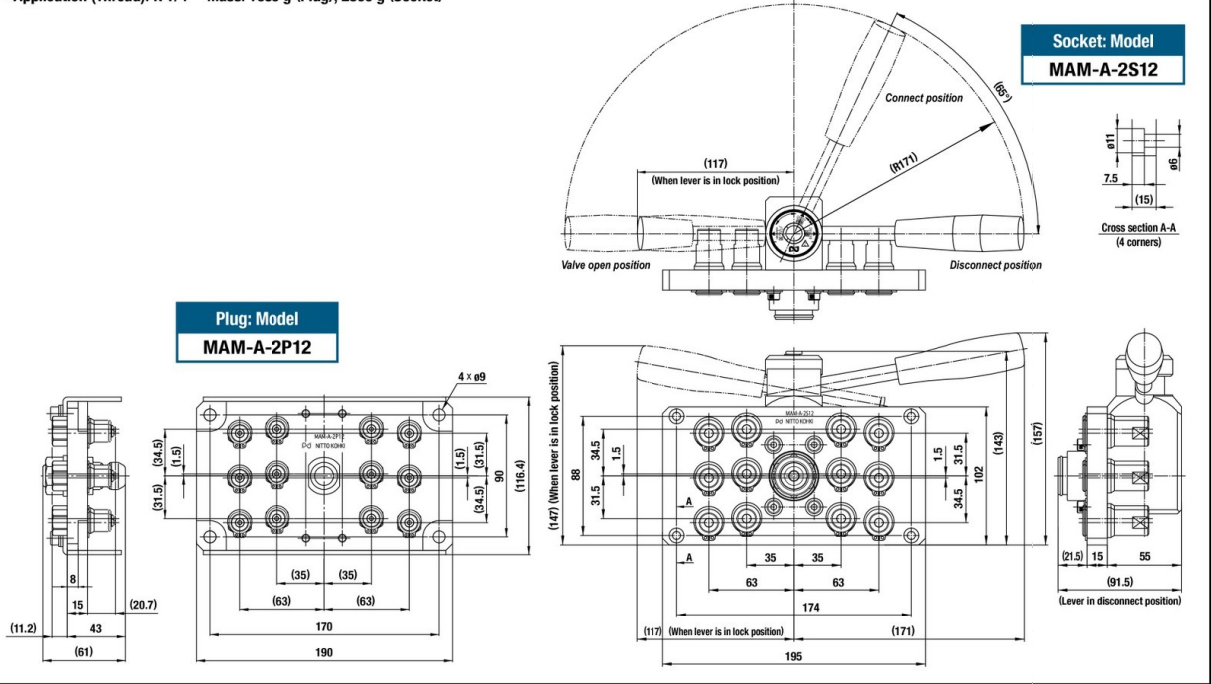
Dimensions (mm)



Model MAM-A-2P12 × MAM-A-2S12 (12 port type)

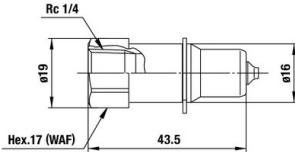
• Application (Thread): R 1/4 Mass: 1650 g (Plug), 2800 g (Socket)

Dimensions (mm)



Plug Model MAM-A-2P (Individual CUPLA)

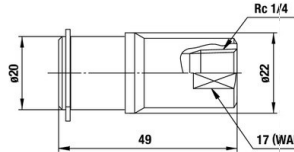
• Application (Thread): R 1/4 Mass: 40 g



Dimensions (mm)

Socket Model MAM-A-2S (Individual CUPLA)

• Application (Thread): R 1/4 Mass: 82 g



Dimensions (mm)

Made-to-order MULTI CUPLA are available on request, such as a combination of different sizes on the flange plate.

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MULTI CUPLA MAM-A Type

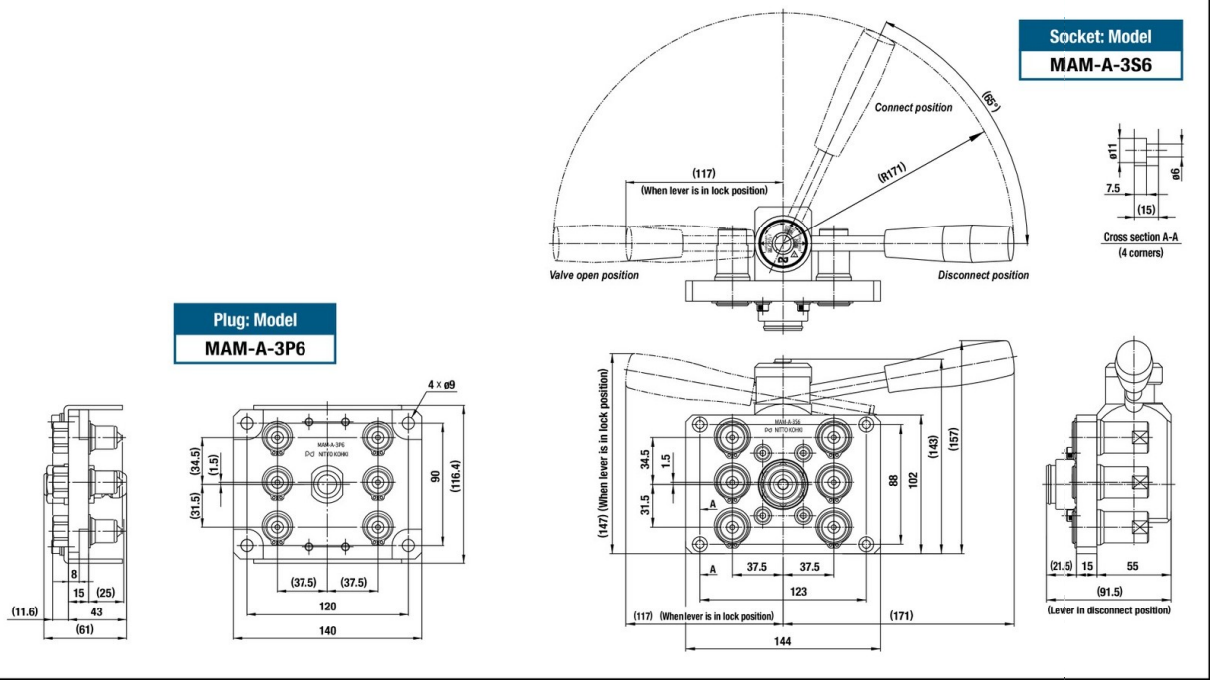
Models and Dimensions

WAF : WAF stands for width across flats.

Model MAM-A-3P6 × MAM-A-3S6 (6 port type)

• Application (Thread): R 3/8 Mass: 1250 g (Plug), 2400 g (Socket)

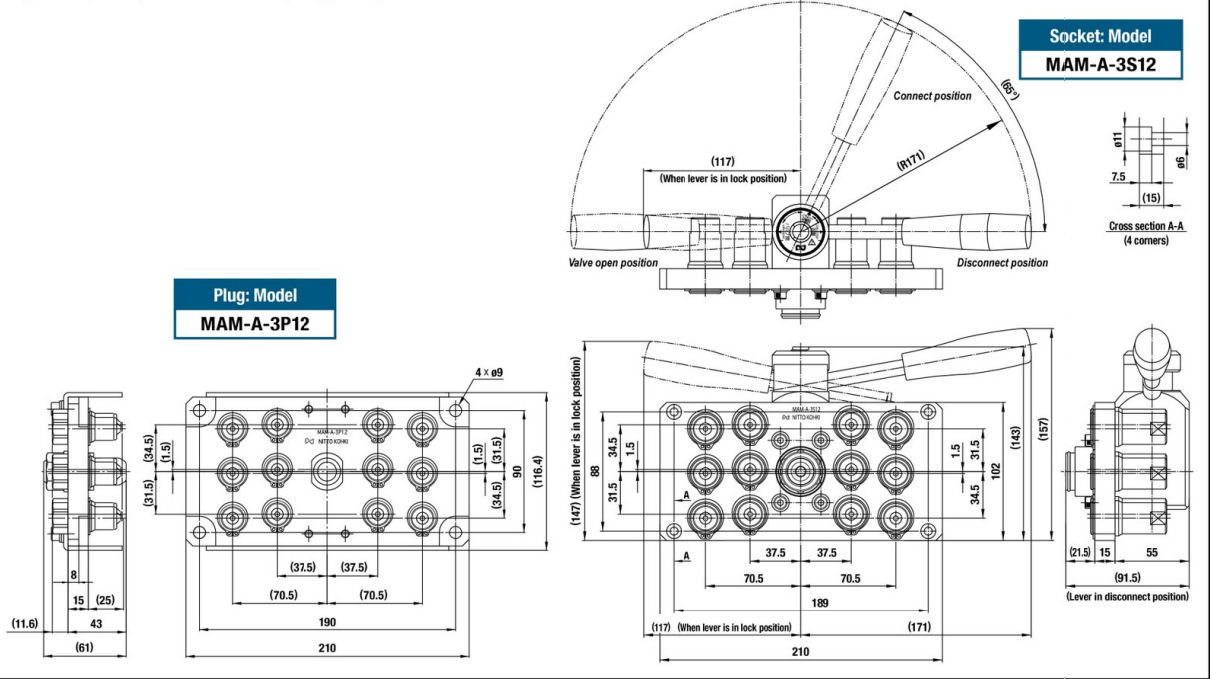
Dimensions (mm)



Model MAM-A-3P12 × MAM-A-3S12 (12 port type)

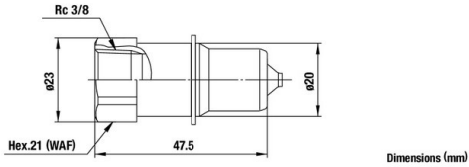
• Application (Thread): R 3/8 Mass: 1950 g (Plug), 3300 g (Socket)

Dimensions (mm)



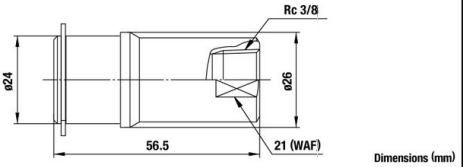
Plug Model MAM-A-3P (Individual CUPLA)

• Application (Thread): R 3/8 Mass: 62 g



Socket Model MAM-A-3S (Individual CUPLA)

• Application (Thread): R 3/8 Mass: 122 g



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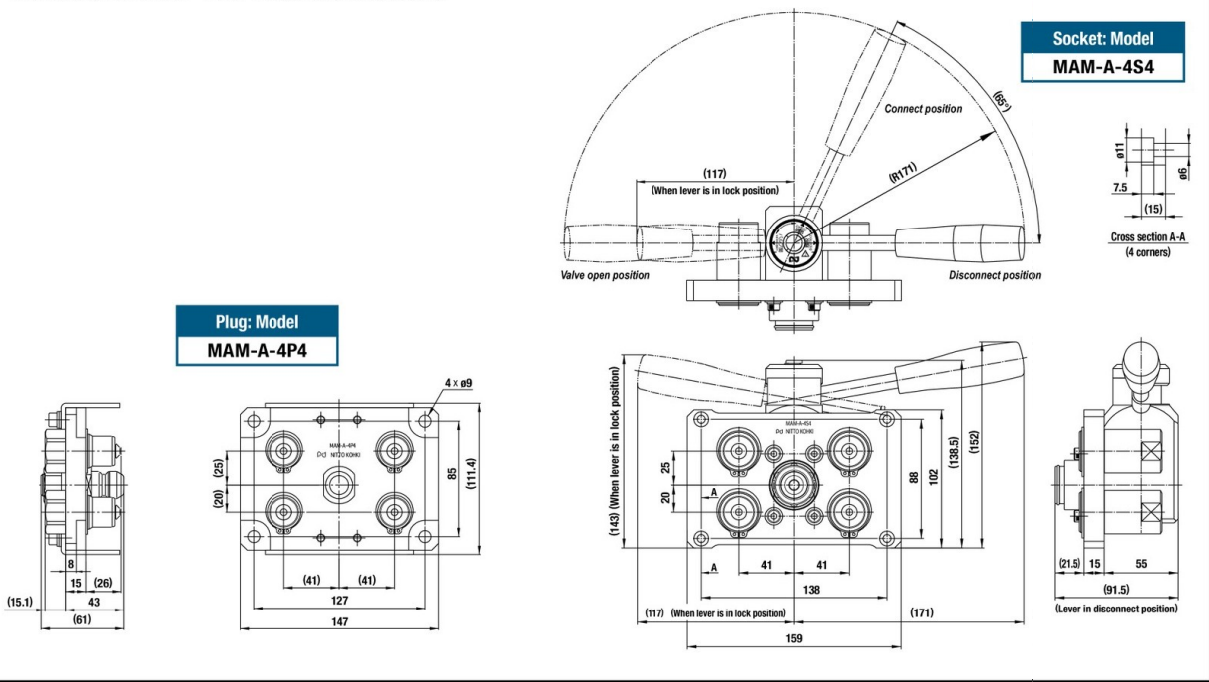
Models and Dimensions

WAF : WAF stands for width across flats.

Model MAM-A-4P4 × MAM-A-4S4 (4 port type)

• Application (Thread): R 1/2 Mass: 1400 g (Plug), 2700 g (Socket)

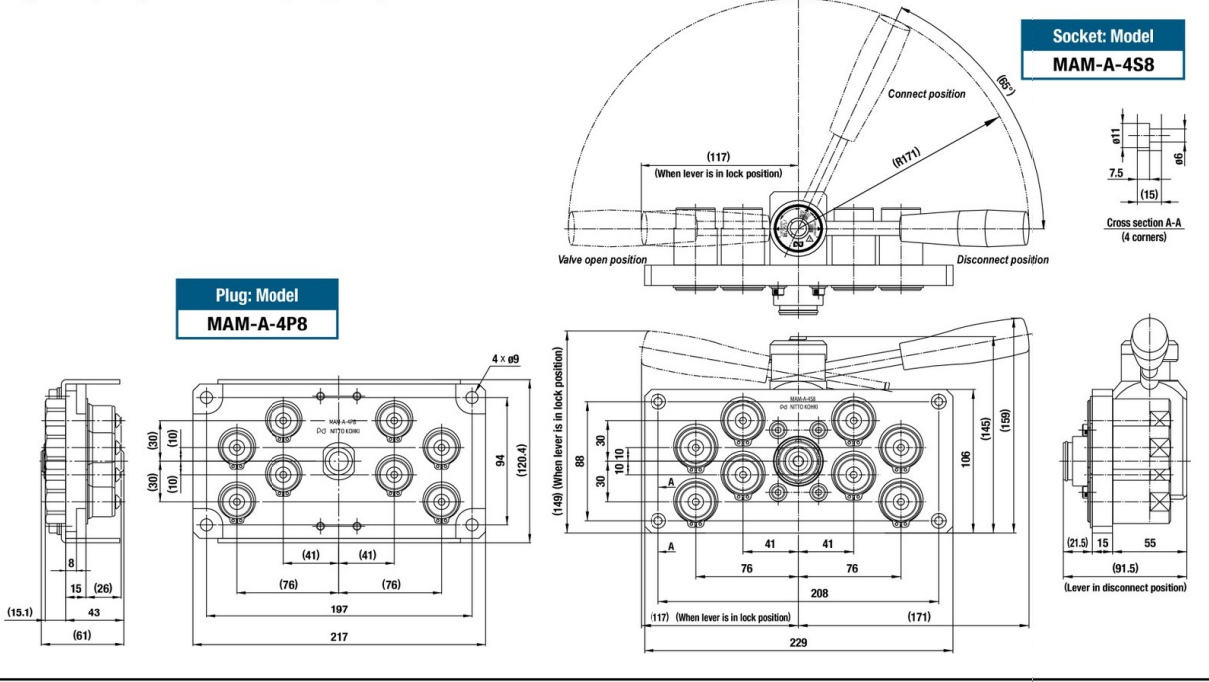
Dimensions (mm)



Model MAM-A-4P8 × MAM-A-4S8 (8 port type)

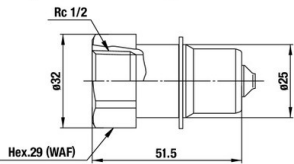
• Application (Thread): R 1/2 Mass: 2300 g (Plug), 4000 g (Socket)

Dimensions (mm)



Plug Model MAM-A-4P (Individual CUPLA)

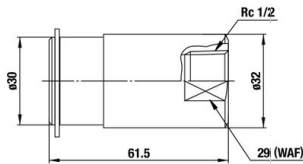
• Application (Thread): R 1/2 Mass: 127 g



Dimensions (mm)

Socket Model MAM-A-4S (Individual CUPLA)

• Application (Thread): R 1/2 Mass: 256 g



Dimensions (mm)

Made-to-order MULTI CUPLA are available on request, such as a combination of different sizes on the flange plate.

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