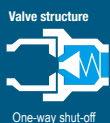


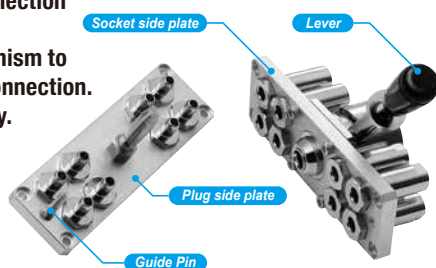
MULTI CUPLA

MAM Type

Working pressure
0.7
0.7 MPa
{7 kgf/cm²}



- 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.



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/cm²	bar	PSI
Working pressure	0.7	7	7	102
Seal material	Seal material		Mark	Working temperature range
Working temperature range *1	Nitrile rubber		NBR	-20 °C to +60 °C

Nm {kgf·cm}

Torque	5 (51)
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No connection is possible between plates with different number of ports.

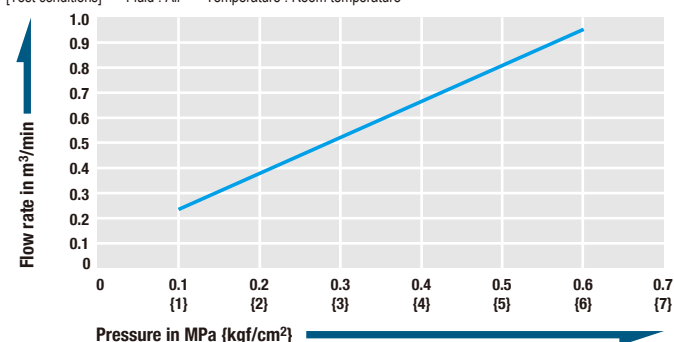
(mm²)

Per port	15.9
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Not suitable for vacuum application in either connected or disconnected condition.

Per port with CUPLA

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



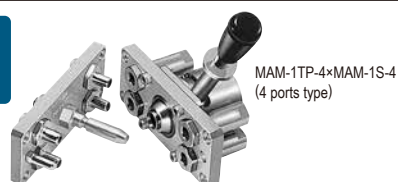
WAF · WAF stands for width across flats

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

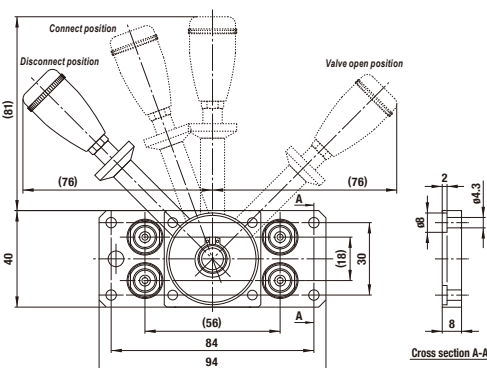
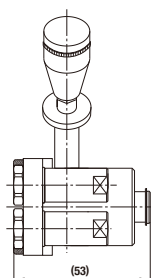
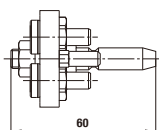
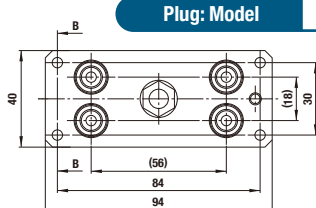
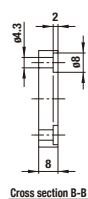
Socket: Model	MAM-1S-4
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Dimensions (mm)

4 Ports



Plug: Model	MAM-1TP-4
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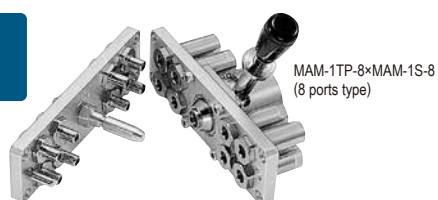


Application (Thread): R 1/8 **Mass:** 250 g (Plug), 650 g (Socket)

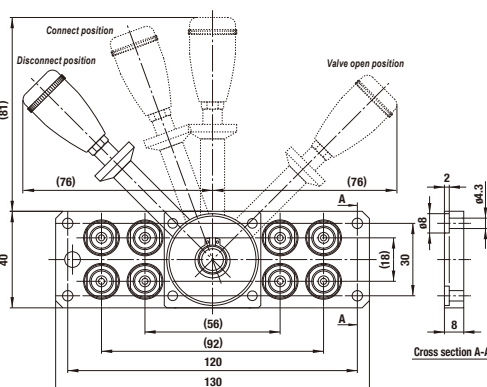
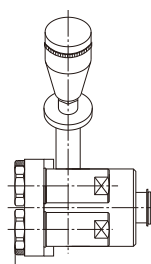
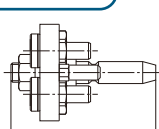
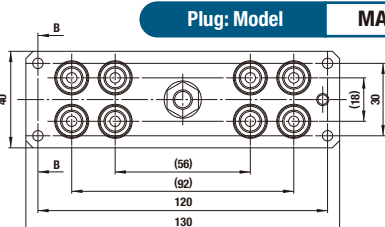
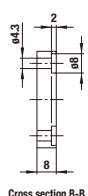
Socket: Model	MAM-1S-8
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Dimensions (mm)

8 Ports



Plug: Model	MAM-1TP-8
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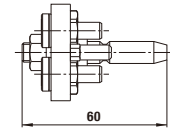
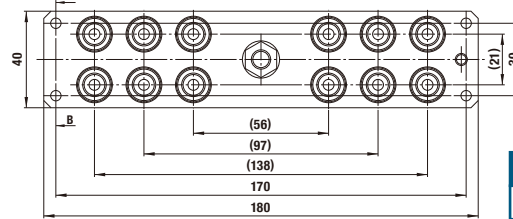
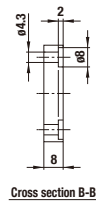
Model MAM-1TP-12×MAM-1S-12 (12 ports type)

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

Dimensions (mm)

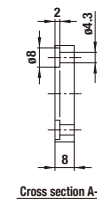
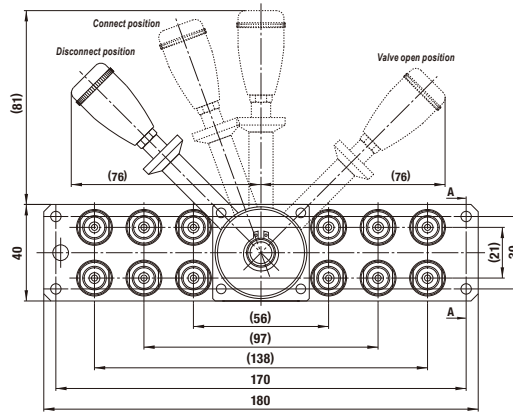
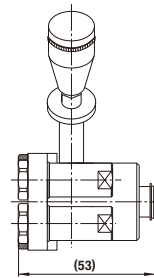
**Plate with coupling
MAM Type**

12
Ports



**Plug: Model
MAM-1TP-12**

**Socket: Model
MAM-1S-12**



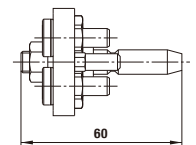
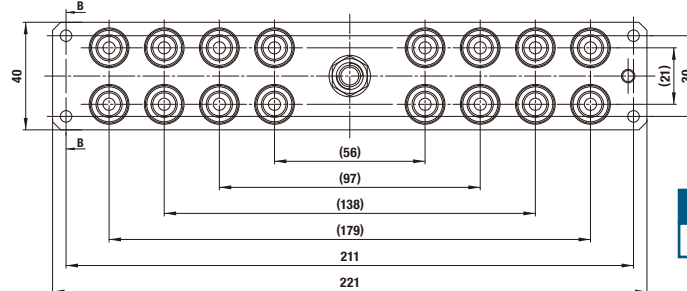
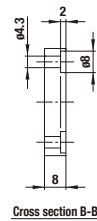
Model MAM-1TP-16×MAM-1S-16 (16 ports type)

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

Dimensions (mm)

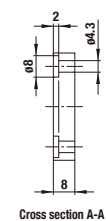
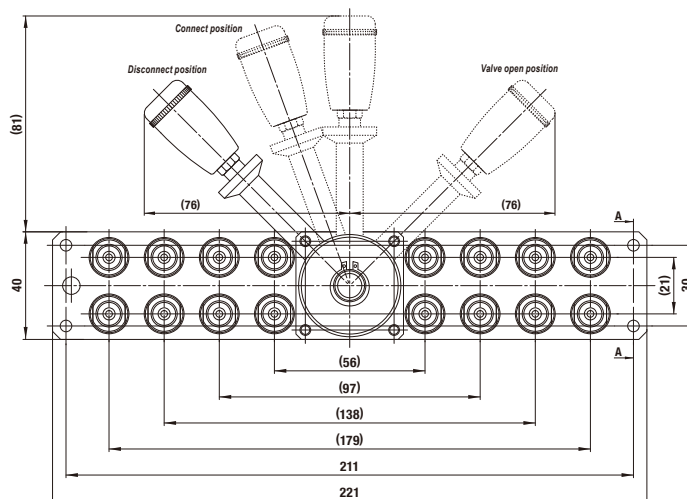
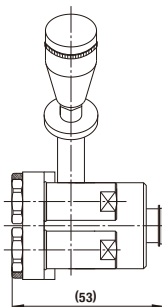
**Plate with coupling
MAM Type**

16
Ports



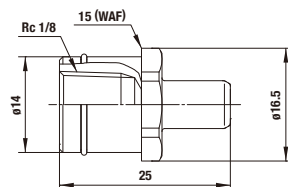
**Plug: Model
MAM-1TP-16**

**Socket: Model
MAM-1S-16**



Plug Model MAS-1TP (Individual CUPLA)

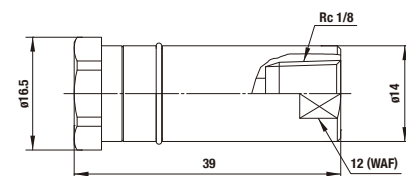
- Application (Thread): R 1/8 Mass: 17 g
- Can be mounted on model MAM-1TP-4/MAM-1TP-8/MAM-1TP-12/MAM-1TP-16.



Dimensions (mm)

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.



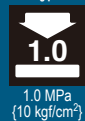
Dimensions (mm)

For Multi-Port Connection (Manual)

MULTI CUPLA MAM-B Type

Multiple port system

Working pressure



Valve structure



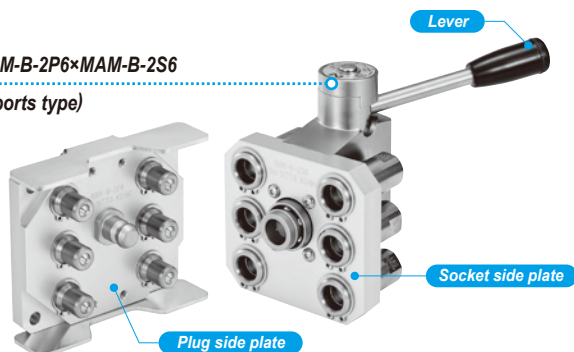
Applicable fluids



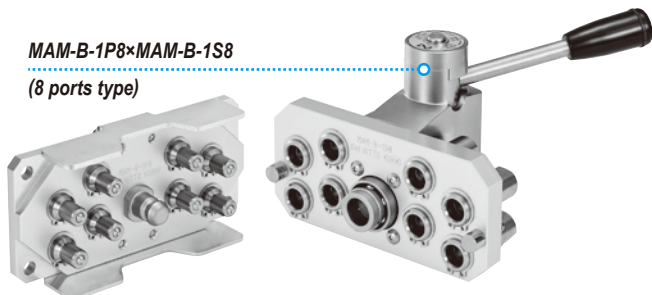
Simultaneously connects several ports securely in one operation. Greatly reduces changeover time in multiple ports replacement.

- 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.

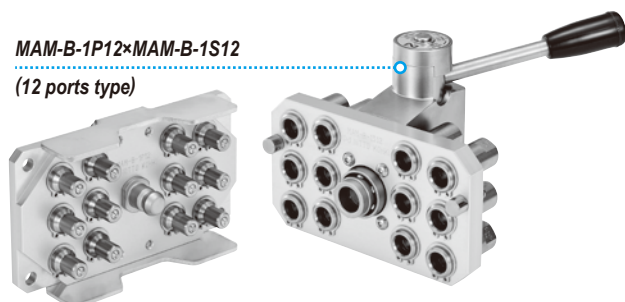
MAM-B-2P6×MAM-B-2S6
(6 ports type)



MAM-B-1P8×MAM-B-1S8
(8 ports type)



MAM-B-1P12×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 (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		Sealing material	Mark	Working temperature range	Remarks
Working temperature range *1		Fluoro rubber	FKM	-20°C to +180°C	Standard material

*1: The operable temperature range depends on the operating conditions.

Maximum 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 or different size.

Minimum Cross-Sectional Area per Port

(mm²)

Model	1SP type	2SP type
Minimum cross-sectional area	14	26

Suitability for Vacuum

1.3×10⁻¹ Pa {1×10⁻³ mmHg}

Socket only	Plug only	When connected
—	—	Operational

Admixture of Air on Connection per Port

(mL)

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

Volume of Spillage on Disconnection per Port

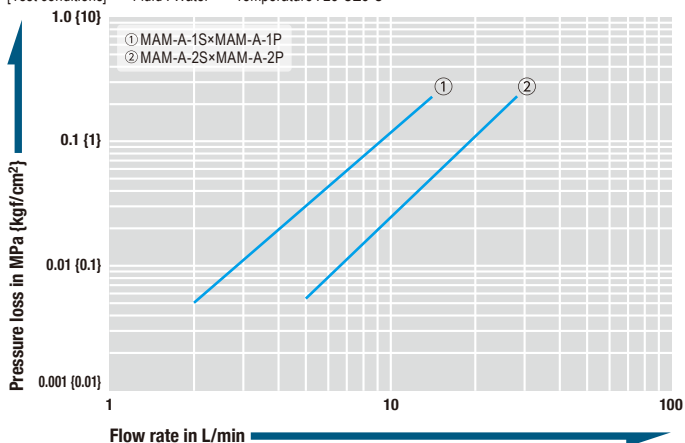
(mL)

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 : 23°C±5°C



Models and Dimensions

Model MAM-B-1P8×MAM-B-1S8 (8 ports type)

- Application (Thread): R 1/8 Mass: 660 g (Plug), 1210 g (Socket)

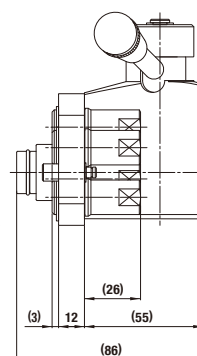
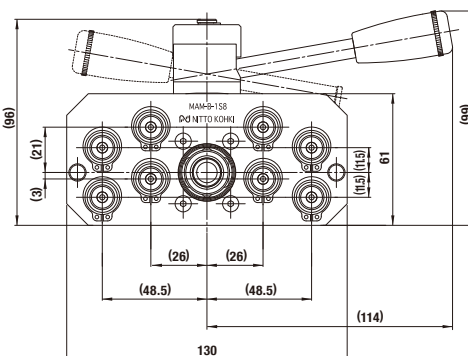
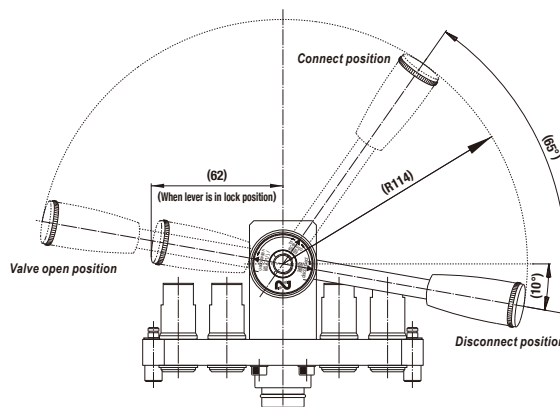
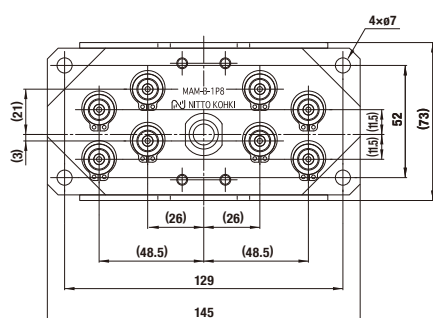
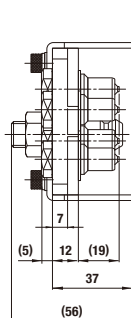
Plate with coupling
MAM-B Type

8
Ports

Plug: Model
MAM-B-1P8

Socket: Model
MAM-B-1S8

Dimensions (mm)



Model MAM-B-1P12×MAM-B-1S12 (12 ports type)

- Application (Thread): R 1/8 Mass: 790 g (Plug), 1430 g (Socket)

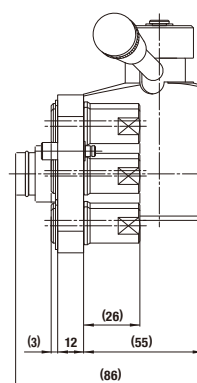
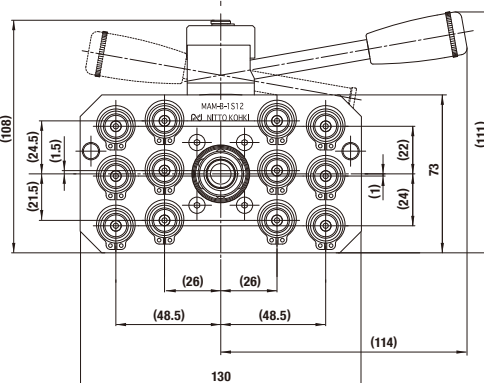
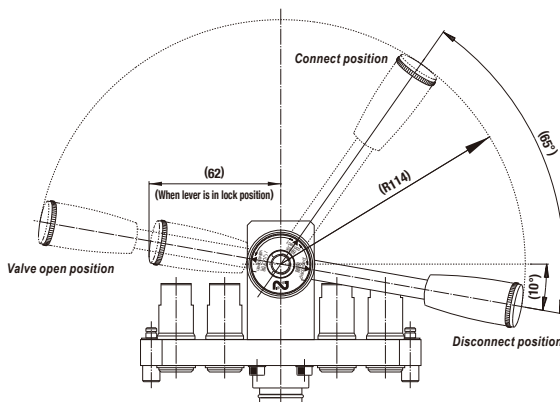
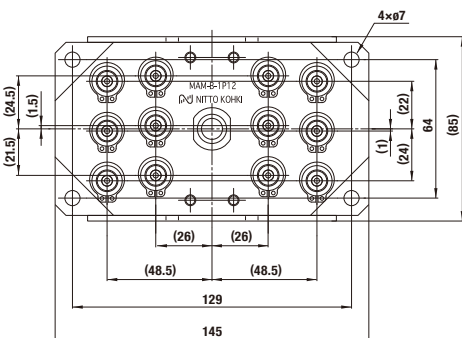
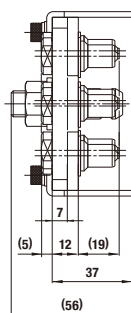
Plate with coupling
MAM-B Type

12
Ports

Plug: Model
MAM-B-1P12

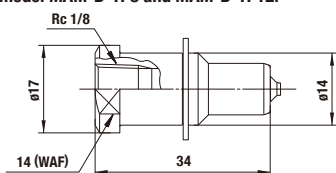
Socket: Model
MAM-B-1S12

Dimensions (mm)



Plug Model MAM-A-1P (Individual CUPLA)

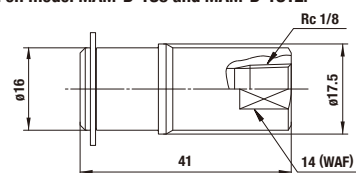
- Application (Thread): R 1/8 Mass: 25 g
- Can be mounted on model MAM-B-1P8 and MAM-B-1P12.



Dimensions (mm)

Socket Model MAM-A-1S (Individual CUPLA)

- Application (Thread): R 1/8 Mass: 49 g
- Can be mounted on model MAM-B-1S8 and MAM-B-1S12.



Dimensions (mm)

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

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

Model MAM-B-2P6×MAM-B-2S6 (6 ports type)

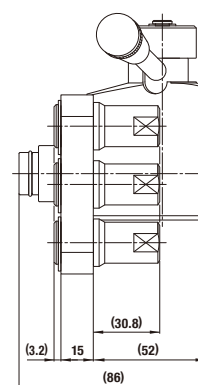
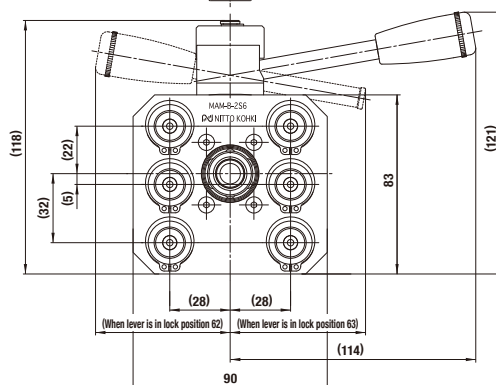
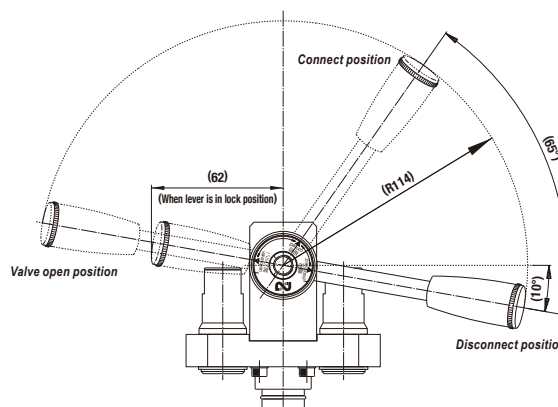
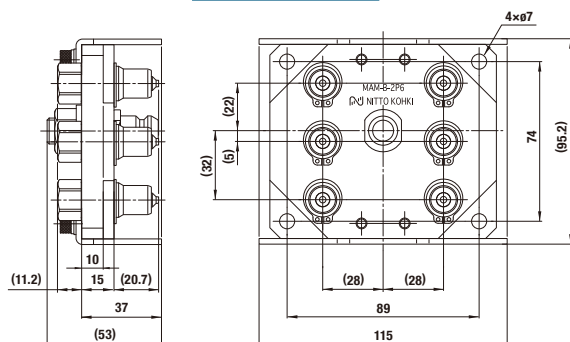
• Application (Thread): R 1/4 Mass: 740 g (Plug), 1280 g (Socket)

Plate with coupling
MAM-B Type

6
Ports

Plug: Model
MAM-B-2P6

Socket: Model
MAM-B-2S6



Model MAM-B-2P8×MAM-B-2S8 (8 ports type)

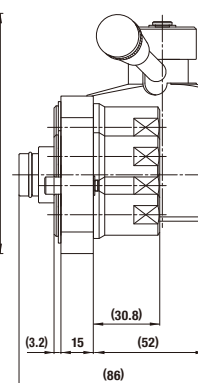
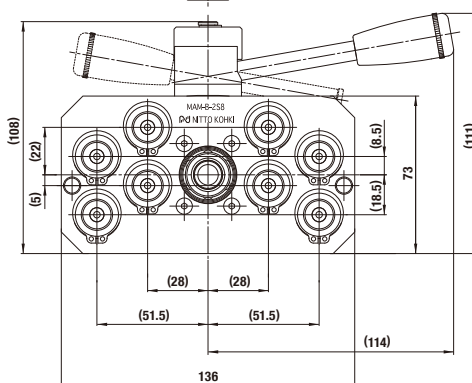
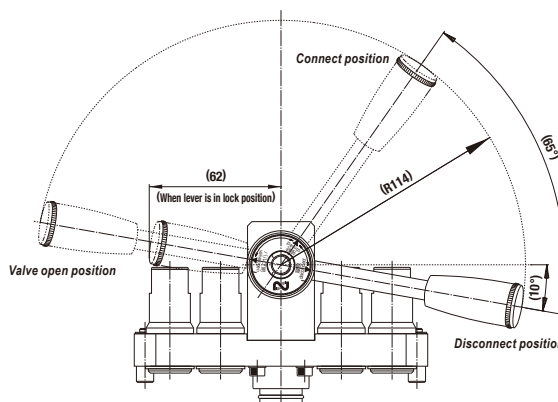
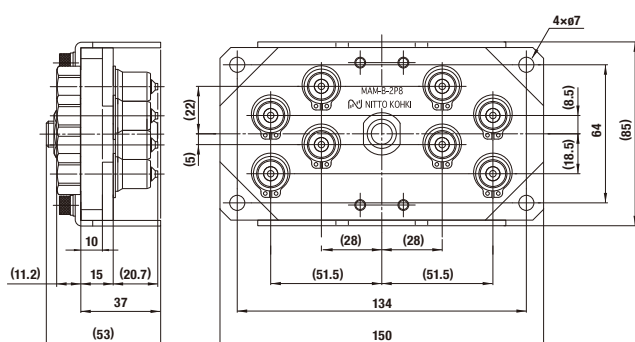
• Application (Thread): R 1/4 Mass: 920 g (Plug), 1550 g (Socket)

Plate with coupling
MAM-B Type

8
Ports

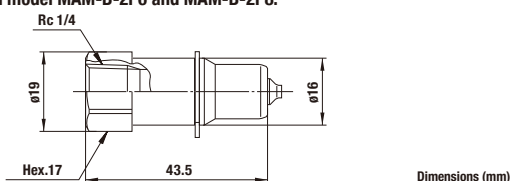
Plug: Model
MAM-B-2P8

Socket: Model
MAM-B-2S8



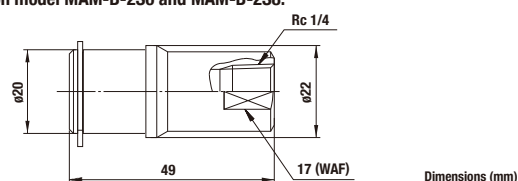
Plug Model MAM-A-2P (Individual CUPLA)

• Application (Thread): R 1/4 Mass: 40 g
• Can be mounted on model MAM-B-2P6 and MAM-B-2P8.



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

• Application (Thread): R 1/4 Mass: 82 g
• Can be mounted on model MAM-B-2S6 and MAM-B-2S8.



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