

2-Circuit Junction Block

This add-on type of concentrated branching manifolds comprises 2 independent lines.

Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

MA (1)	106 (2)	- (3)	12 (4)	08 (5)	A (6)
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(1) 2-Circuit Junction Block

(2) Series

Code	106	107
Series	106 series (Fixed type)	107 series (Free type)

(3) Inlet-port tube dia. (øD1)

Code	10	12
Tube O.D. (mm)	ø10	ø12

*Code entry only for Port type: A (inlet port).

(4) Outlet-port tube dia. (øD2)

Code	6	8
Tube O.D. (mm)	ø6	ø8

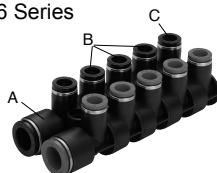
*For 106 series, code entry for Port type: A (inlet port), B (middle outlet port) and C (end outlet port). For 107 series, code entry only for Port type: B (middle outlet port) and C (end outlet port).

(5) Port type

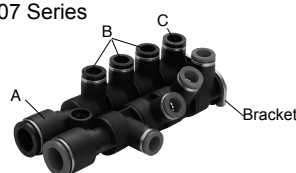
Code	A	B	C
Port type	Inlet port	Middle outlet port	End outlet port

*After connecting blocks, fix them by using brackets or locking holes. Admit the fluid only after locking of blocks.

106 Series



107 Series



(6) Release-ring color (Code entry for 107 series, Port type: B and C)

Code	No code	B	R
Release-ring color	A set of Black and Red	A set of Black and Black	A set of Red and Red

Characteristics

Serving two lines the same time.

Manifolds comprises add-on type of push-in fittings.

Blocks can be added freely.

Mount type (Direct connection)

107 Series has free direction of air outlet.

106 Series is a Fixed type.

Any number of Blocks can be connected.

Suitable for use with cylinders.

Can be used for circulating cooling water of up to 40°C

However, please use our insert ring together.

The release ring can have a different color for each line.

Specifications

Fluid medium	Air, Water (Conditional*)
Max. operating pressure	0.9 MPa
Max. vacuum	-100 kPa
Operating temp. range	0 to 60°C (no freezing)

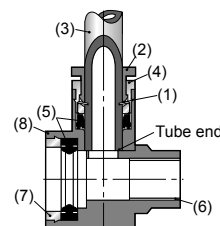
△ Warning

*Make sure to follow the instructions below when the fluid medium is water.

1. Surge pressure must be controlled below the maximum operating pressure when using water as a fluid medium.
2. General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
3. Be sure to use Insert Ring (WR) when using water or liquid as a fluid medium.

Sectional drawing

107 series, Port type: B



No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release-ring	POM
(3)	Tube	Polyurethane, Nylon, etc.
(4)	Guide ring	Nickel-plated brass
(5)	Elastic sleeve	NBR
(6)	Insert ring	Stainless steel
(7)	J-ring	Nickel-plated brass
(8)	Resin body	PBT

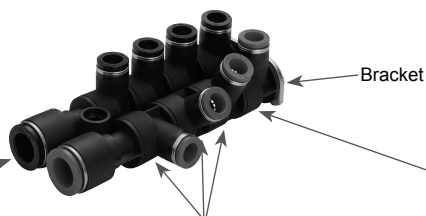
RoHS2 (2011/65/EU+EU2015/863) compliant

106 series (Fixed type)



Inlet port		Middle outlet port		End outlet port	
Type	Model code	Type	Model code	Type	Model code
MA  ϕD_1	MA106- $\phi D_1 \phi D_2 A$	MA  ϕD_2	MA106- $\phi D_2 B$	MA  ϕD_2	MA106- $\phi D_2 C$
	MA106-1006A		MA106-06B		MA106-06C
	MA106-1008A		MA106-08B		MA106-08C
	MA106-1206A				
	MA106-1208A				

107 series (Free type)



Inlet port		Middle outlet port		End outlet port	
Type	Model code MA107-øD1A	Type	Model code MA107-øD2B	Type	Model code MA107-øD2C
MA	MA107-10A	MA	MA107-06B ^[6]	MA	MA107-06C ^[6]
 øD ₁	MA107-12A	 øD ₂	MA107-08B ^[6]	 øD ₂	MA107-08C ^[6]
Bracket					
Type	Model code MA107D				
MA	MA107D				
					

 CAD data is available at PISCO website.

 Packaging specifications
1 pc. /bag
*For 107 Series, middle outlet port (B) and end outlet port (C) are packed in 1 set / bag.

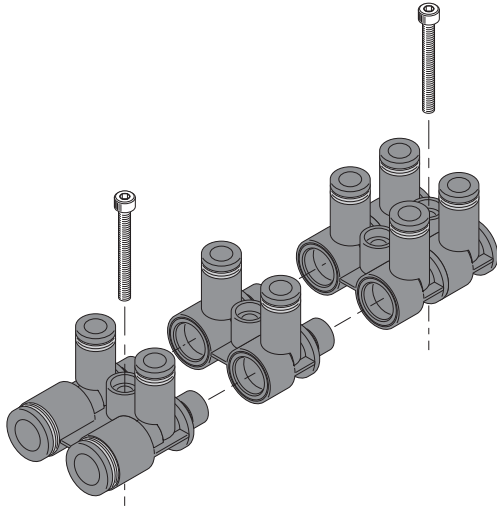
 Standard Optional

Code	[6] : B	[6] : R
*Release-ring color	A set of Black and Black	A set of Red and Red
Specifications	(Fill in [6] with "B")	(Fill in [6] with "R")

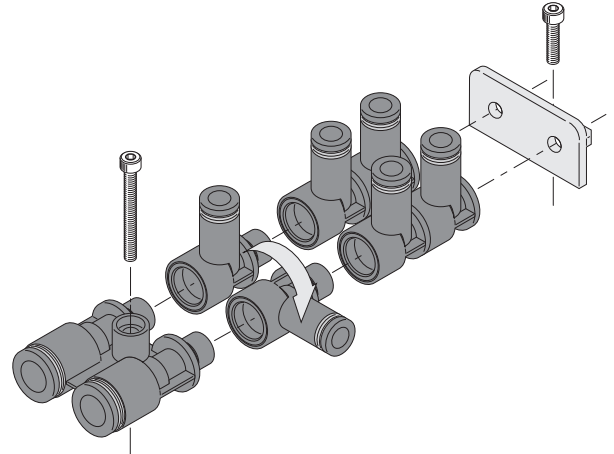
*Only middle outlet port (B) and end outlet port (C) for 107 Series.

■ Selection of 106 Series or 107 Series

■ For 106 Series, the tube lead-out direction is fixed after all the connected blocks are fixed.



■ For 107 Series, the middle outlet port and end outlet port tube lead-out directions can be freely changed even after all the connected blocks are fixed.

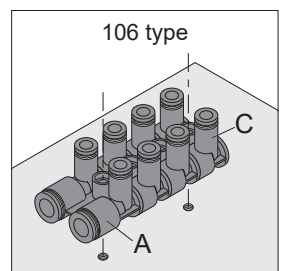


*To fix, use the fixing hole in the resin body and a M6 screw.
(Refer to the dimensional drawings for the hole pitch.)

■ How to install and remove

How to tighten screws

(1) To fix the 106 Series, the fixing holes in inlet port A and end outlet port C are used, so tap M6 on the fixing side in advance. For the hole pitch, refer to the dimension table under Type & Price List on PISCO website. (<https://www.pisco.co.jp/en/product/a/a23/>)



(2) To fix the 107 Series, the fixing holes in inlet port A and the bracket are used, so tap M6 on the fixing side in advance. For the hole pitch, refer to the dimension table under Type & Price List on PISCO website (<https://www.pisco.co.jp/en/product/a/a23/>).

