

Multi coupler

Check valve model model **MCC**



Pascal

Easy and quick coupling

Multiple couplers are connectable easily and securely by pushing the gripper slightly. It prevents misplace of couplers and can shorten the coupling time.

Check valve model **MCC**

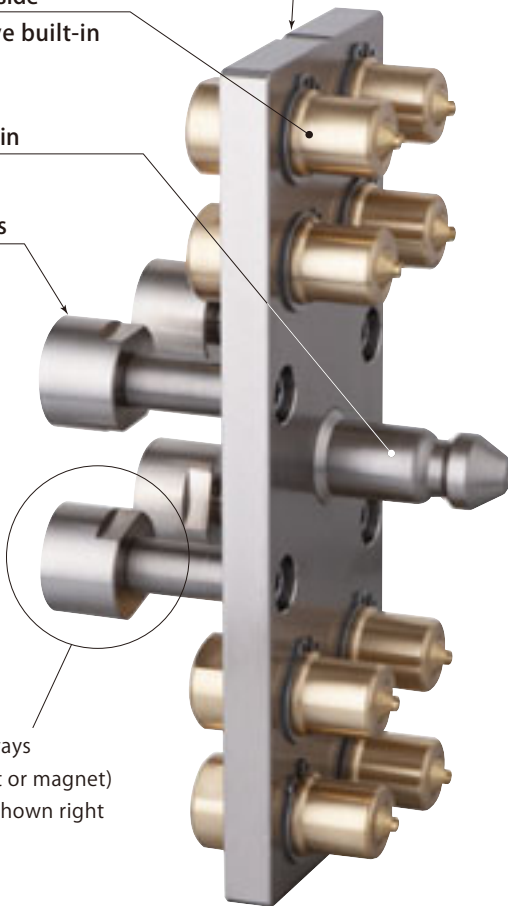
Incorrect connecting prevention mark
(It helps avoid careless mistake ex. upside-down mounting)

Mold (plug) side
A check valve built-in coupler

Lock guide pin

Magnet 4pcs

2 mounting ways available (bolt or magnet)
See diagram shown right for bolting.



model MCC□-□PG
mold (plug) side
Magnet mount

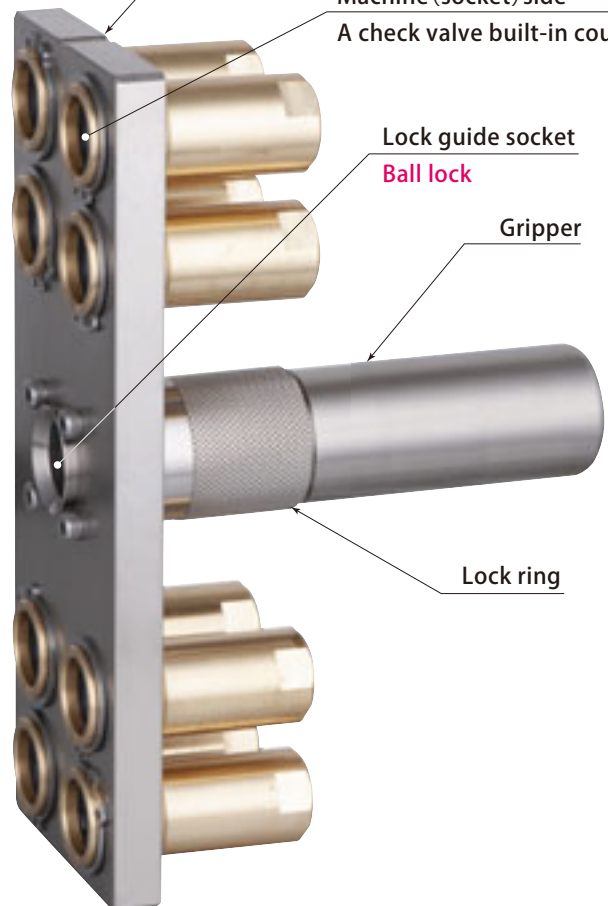
Incorrect connecting prevention mark
(It helps avoid careless mistake ex. upside-down mounting)

Machine (socket) side
A check valve built-in coupler

Lock guide socket
Ball lock

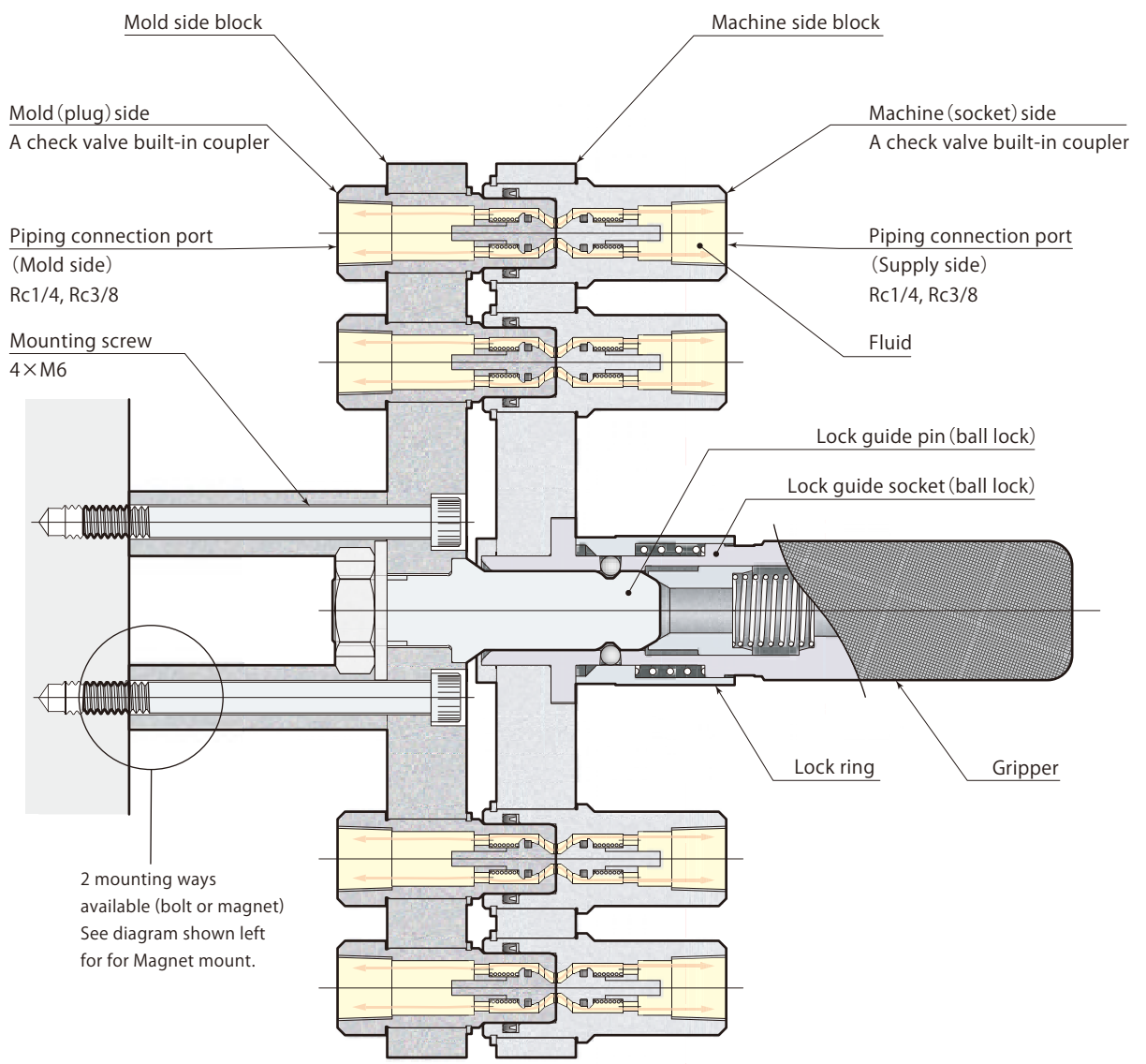
Gripper

Lock ring



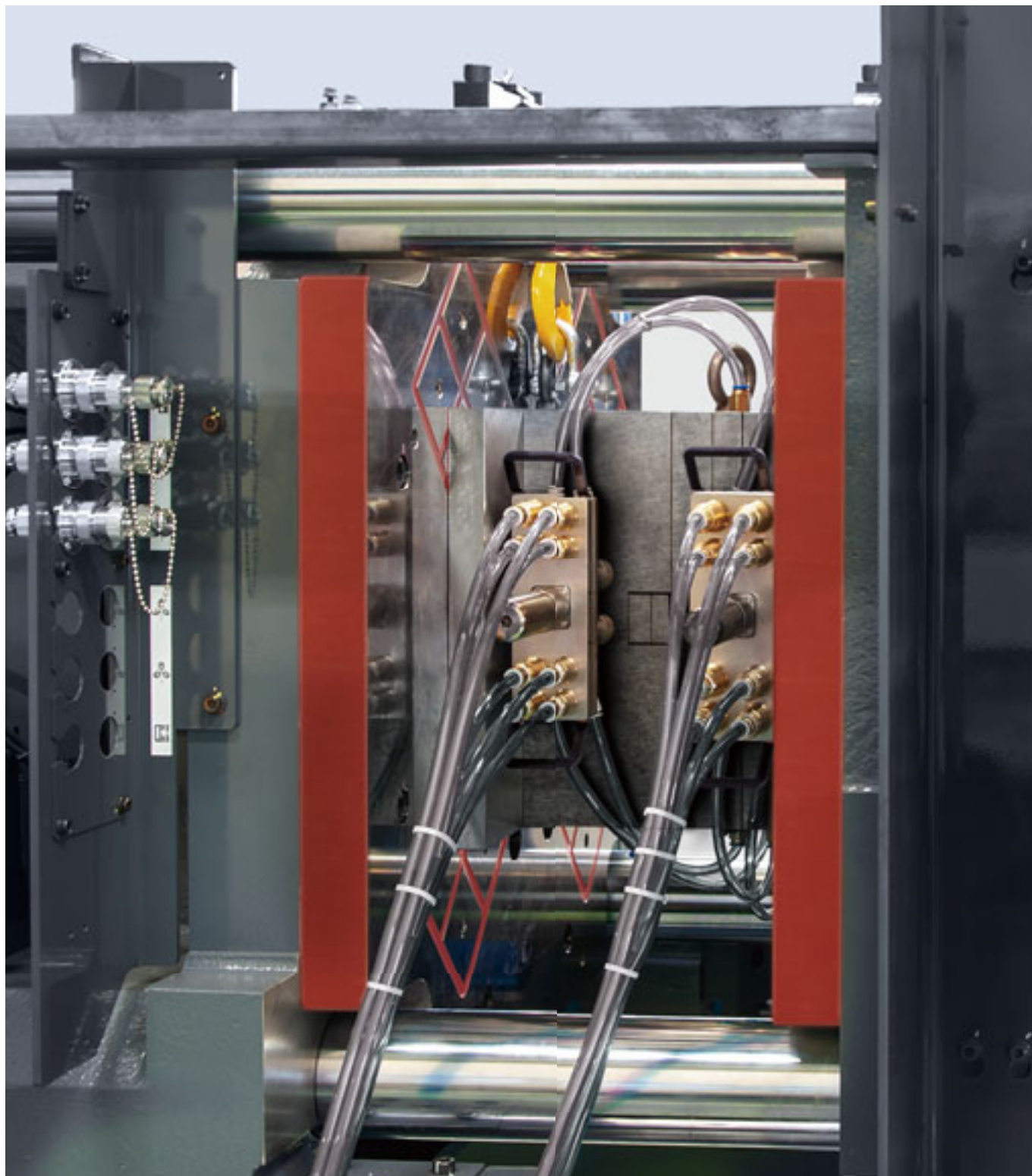
model MCC□-□S
machine (socket) side

Fluid			Pressure	Connection port		Number of port		
Hydraulic	Water	Air	Max. 0.8MPa	Rc1/4	Rc3/8	6	8	12



<p>model MCC□-□P mold (plug) side Bolt mount</p>	<p>model MCC□-□S machine (socket) side</p>
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Release residual pressure in the circuit when engaging the coupler. Coupling or decoupling operation may not be made when the pressure remains.



Model designation

MCC 02 - 06 P G

No symbol Mold side Bolt mount (standard)

G Mold side Magnet mount

S Machine side

P Mold side

06 6 ports

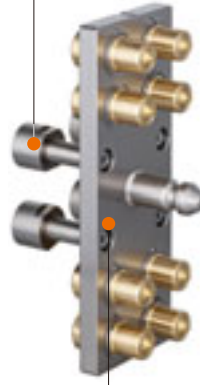
08 8 ports

12 12 ports

02 Rc1/4

03 Rc3/8

Magnet x 4pcs
(Provided when magnet
mount application selected.)



model MCC□-□P□
Mold (plug) side

Piping connection port
Rc1/4, Rc3/8



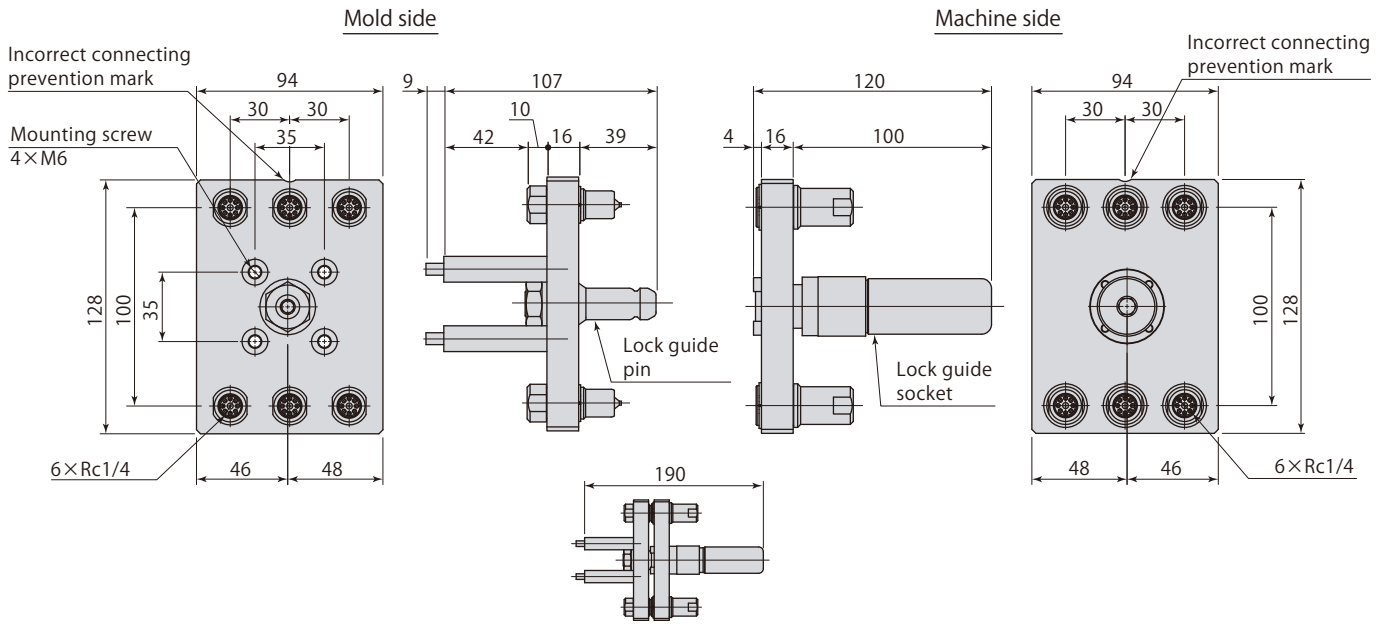
model MCC□-□S
Machine (socket) side

Model	Machine side		MCC02-06S	MCC02-08S	MCC02-12S	MCC03-06S	MCC0308S	MCC03-12S	
	Mold side	Bolt mount (standard)	MCC02-06P	MCC02-08P	MCC02-12P	MCC03-06P	MCC0308P	MCC03-12P	
		Magnet mount	MCC02-06PG	MCC02-08PG	MCC02-12PG	MCC03-06PG	MCC0308PG	MCC03-12PG	
Number of port			6	8	12	6	8	12	
Connection port			Rc1/4			Rc3/8			
Min. Passage area (per 1 port)		mm ²	25			56			
Max. working pressure	At connection	MPa	0.8						
	At disconnection	MPa	0.8 ※No oil spills						
Body material			Brass						
			Aluminium alloy (Surface treatment : Alumite)						
			Carbon steel (Surface treatment: Electrolytic nickel plating)						
Material of seal			Fluoro-rubber (FKM)						
Fluid			Water,Air ,General mineral based hydraulic oil						
Operating temperature			°C 0 ~ 180						
Mass	Machine side		kg	1.2	1.3	1.8	1.4	1.6	2.3
	Mold side	Bolt mount (standard)	kg	1.1	1.2	1.5	1.3	1.4	1.9
		Magnet mount	kg	1.3	1.4	1.7	1.5	1.6	2.1

Connection port

Number of port

Rc1/4	6ports
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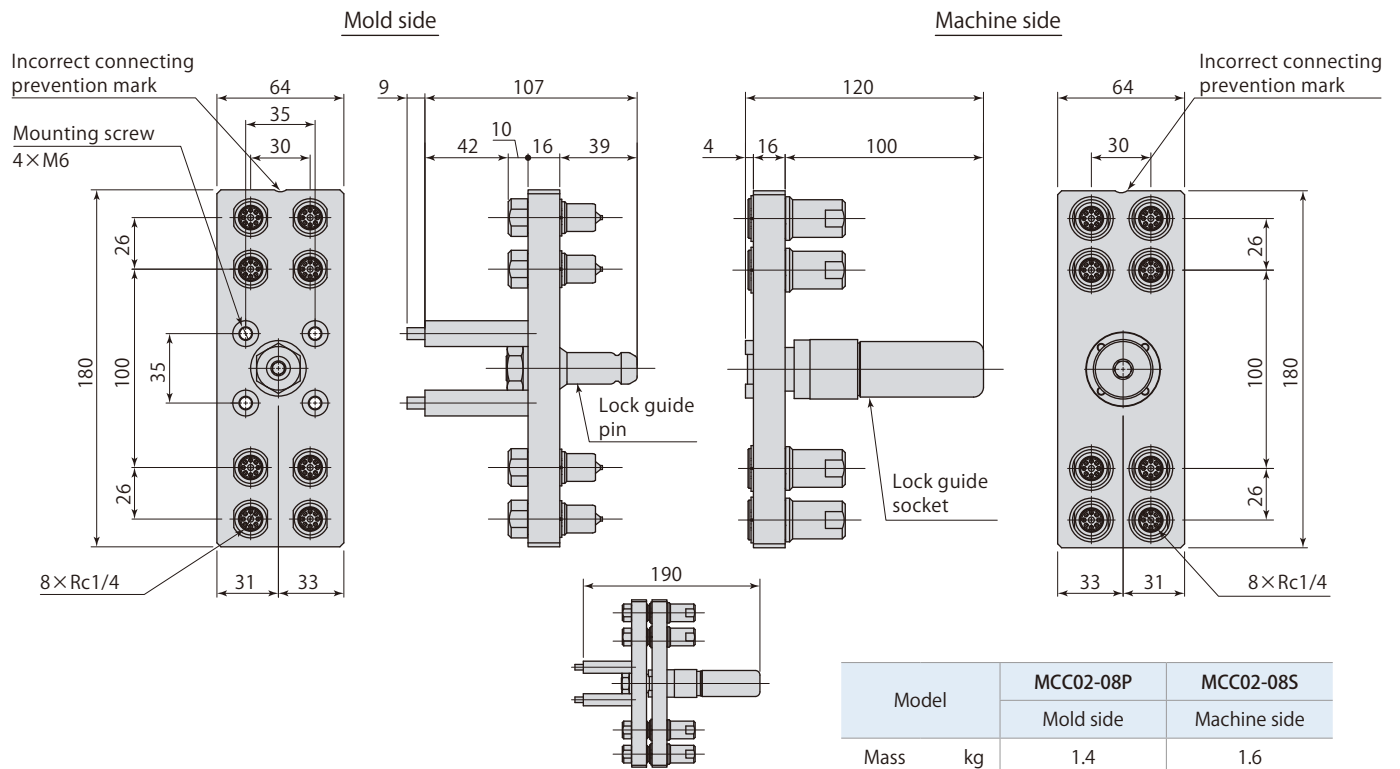


Model	MCC02-06P	MCC02-06S
	Mold side	Machine side
Mass	kg 1.3	kg 1.4

Connection port

Number of port

Rc1/4	8ports
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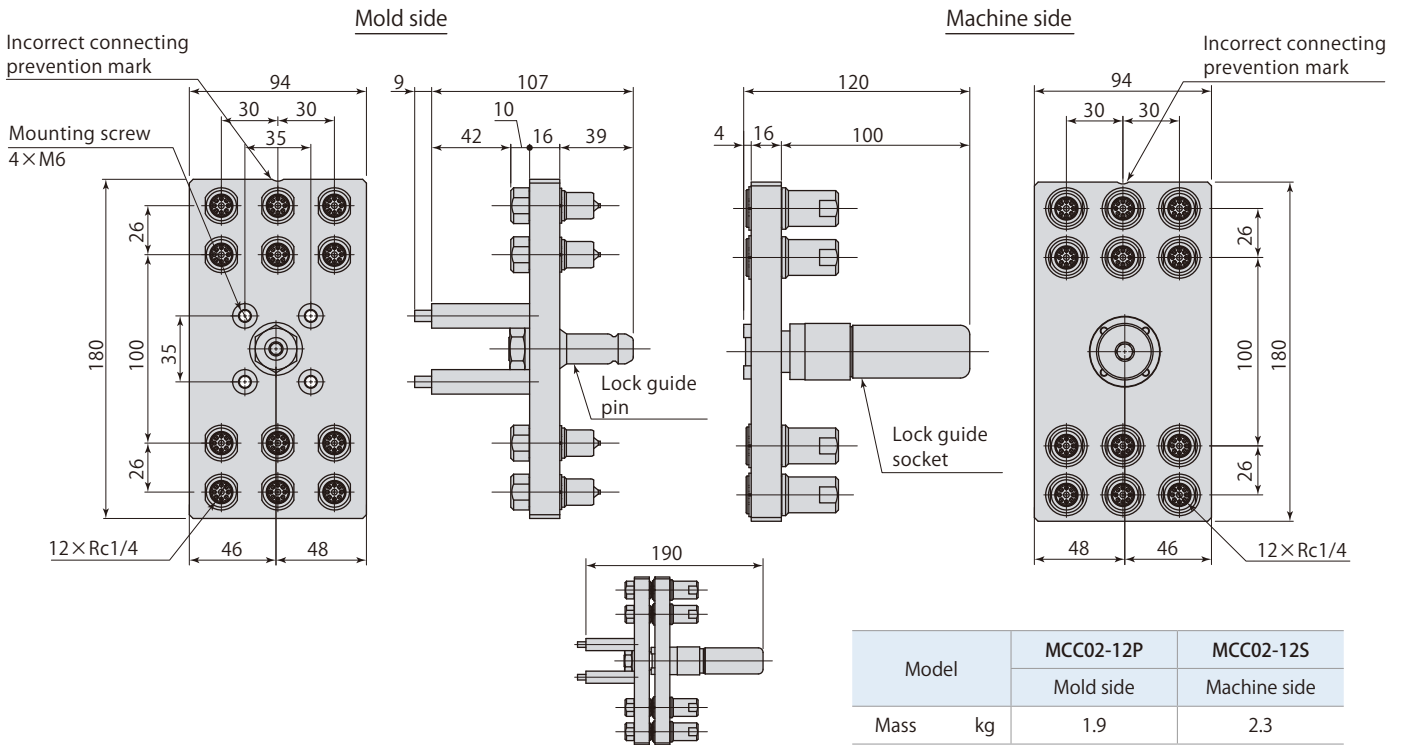


Model	MCC02-08P	MCC02-08S
	Mold side	Machine side
Mass	kg 1.4	kg 1.6

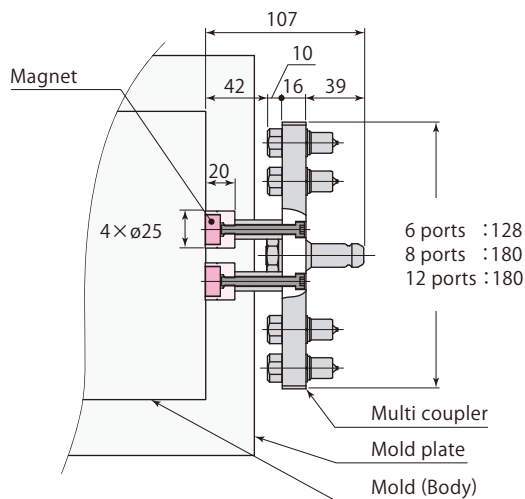
Connection port

Number of port

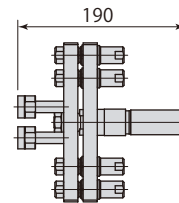
Rc1/4	12ports
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Mold side Magnet mount



Strong permanent magnet enables the multi-coupler to install on the mold easily and quickly. No extra work to drill the mounting holes.



Model	MCC02-06PG	MCC02-08PG	MCC02-12PG
Mass	kg 1.5	kg 1.6	kg 2.1

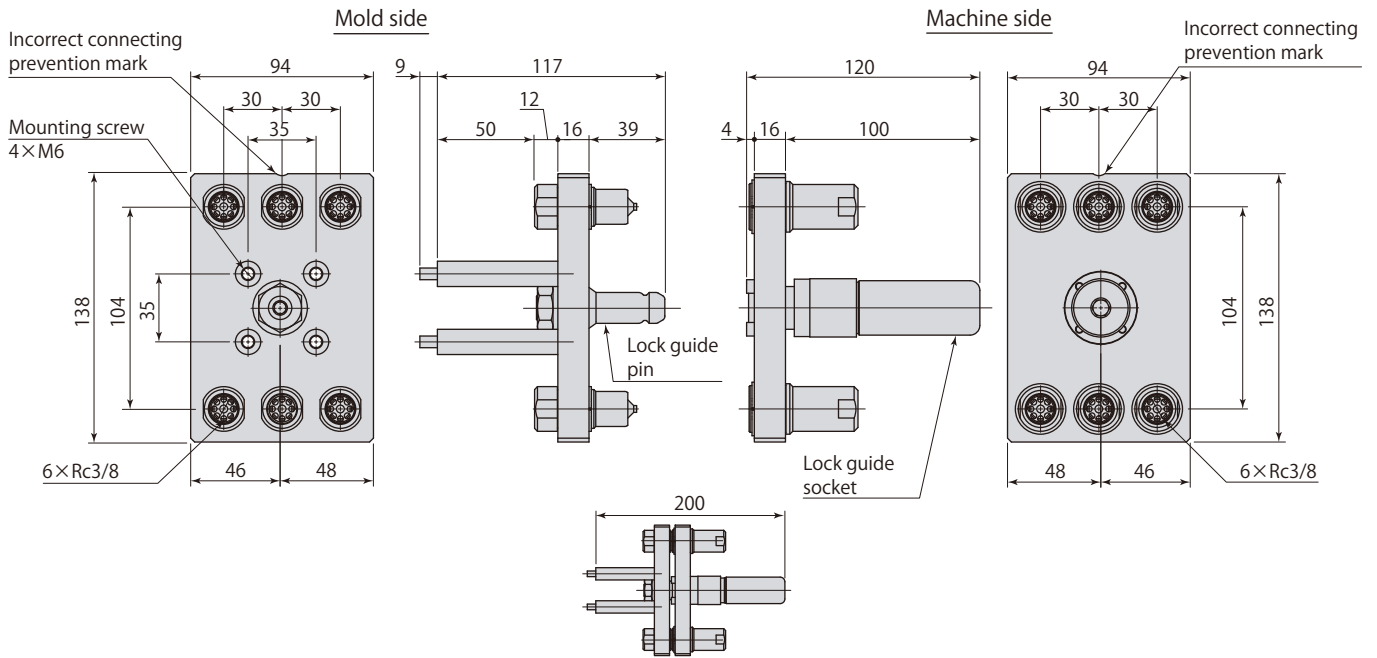
● Not included. Purchase it separately.

- Release residual pressure in the circuit when engaging the coupler. Coupling or decoupling operation may not made when the pressure remains.
- Match the marking on the mating couplers each other (mold/machine) when engaging. Coupling/Decoupling disabled when mismatching it.

Connection port

Number of port

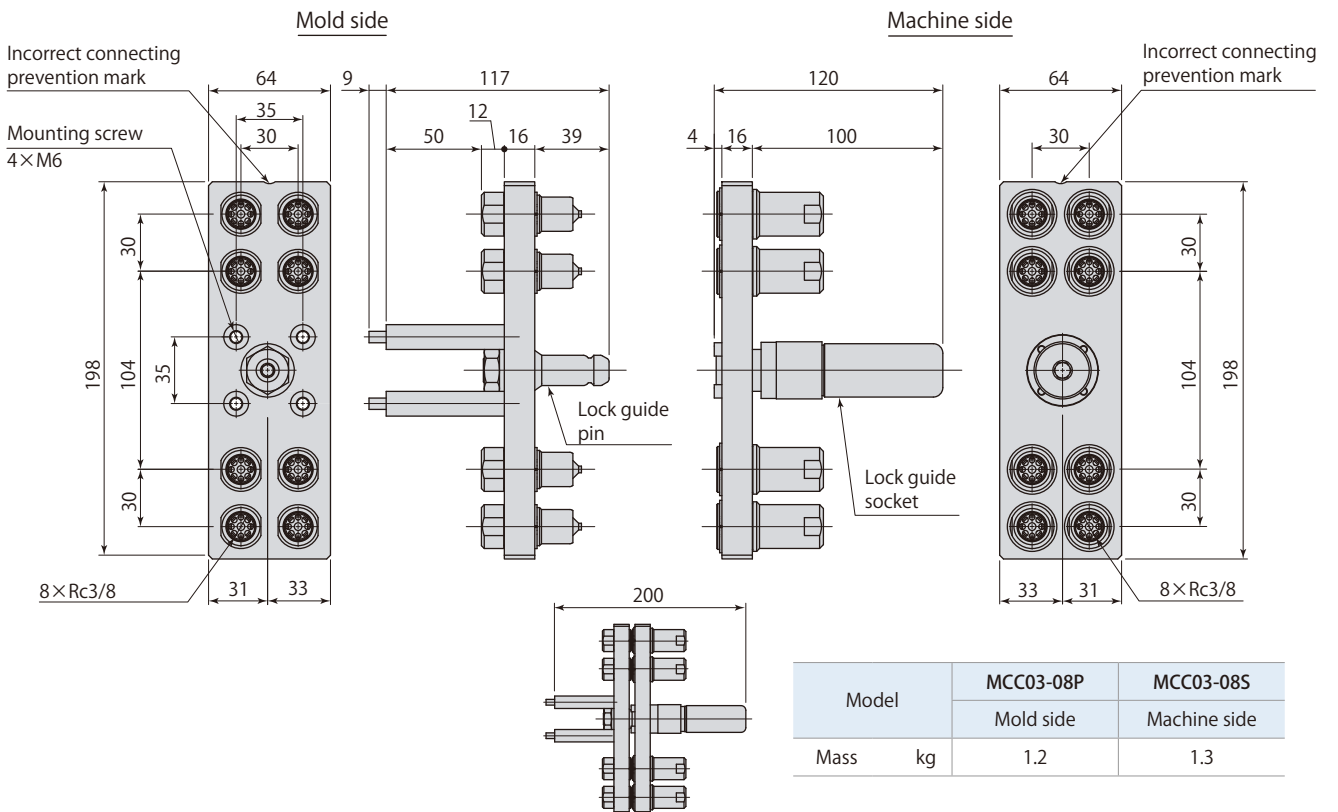
Rc3/8	6ports
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Connection port

Number of port

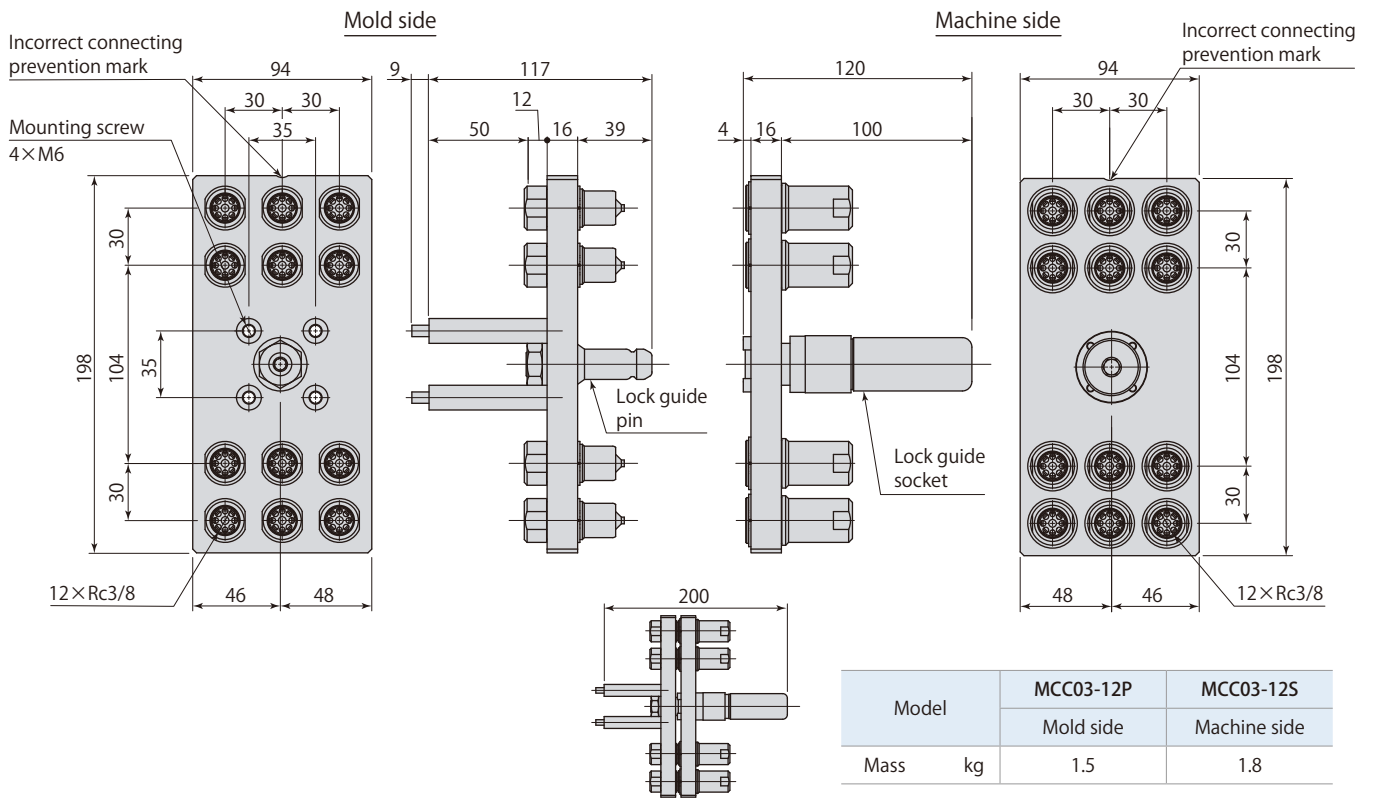
Rc3/8	8ports
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Connection port

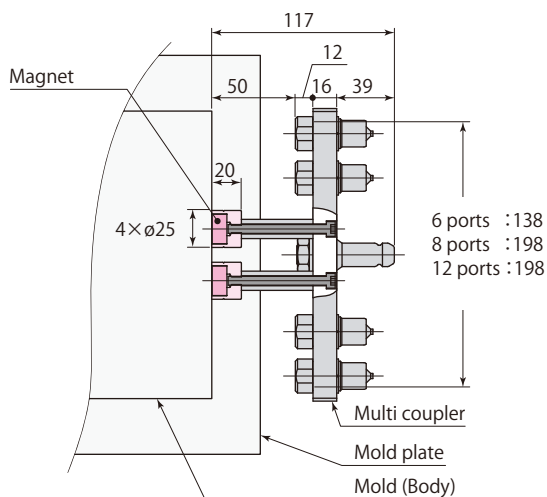
Number of port

Rc3/8	12ports
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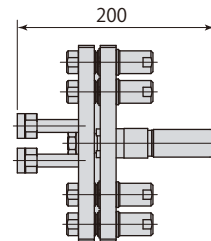


Model	MCC03-12P	MCC03-12S
	Mold side	Machine side
Mass	kg 1.5	1.8

Mold side Magnet mount



Strong permanent magnet enables the multi-coupler to install on the mold easily and quickly. No extra work to drill the mounting holes.



Model	MCC03-06PG	MCC03-08PG	MCC03-12PG
Mass	kg 1.3	1.4	1.7

● Not included. Purchase it separately.

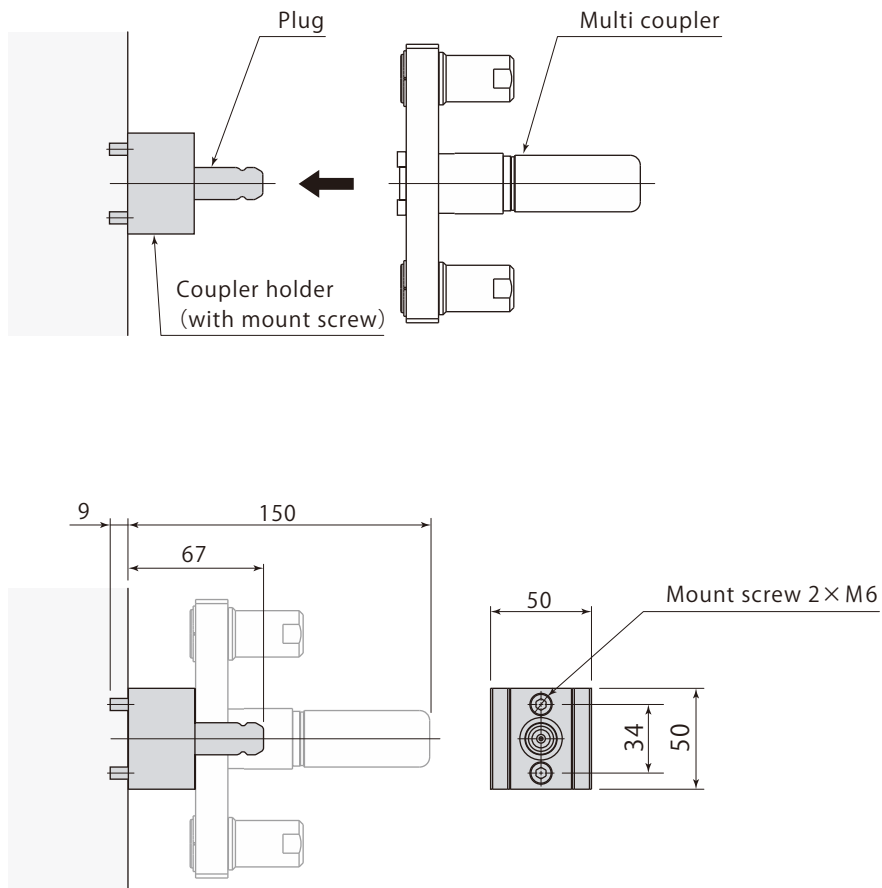
- Release residual pressure in the circuit when engaging the coupler. Coupling or decoupling operation may not be made when the pressure remains.
- Match the marking on the mating couplers each other (mold/machine) when engaging. Coupling/Decoupling disabled when mismatching it.

Coupler holder (with mount screw)

Temporary holder for multi coupler. The plug is provided to coupler holder and the fluid does not leak outside even when couplers are pressurized the machine side.

Model designation

MCC – H



MCC-H		
Mass	kg	0.6

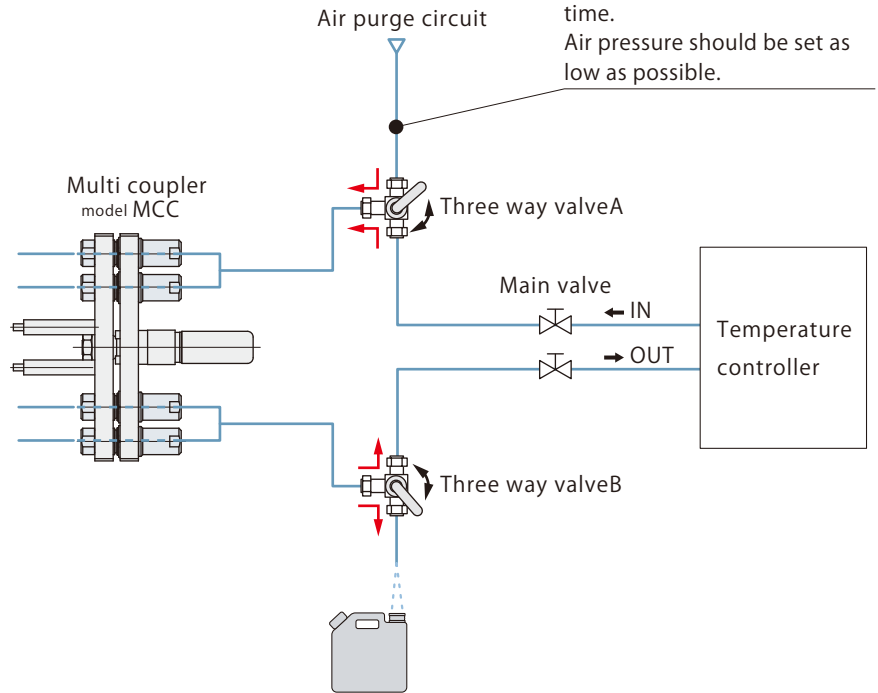
● Accessory is not included. Purchase it separately.

With air purge

The valve must be opened to atmosphere all the time and the circuit is pressurized only when air purging the system. Purging air may leak to temperature control circuit if circuit is pressurized all the time. Air pressure should be set as low as possible.

Connection	
1	Connect the air coupler.
2	Open the main valve from OUT to IN in order.
3	Turn ON the temp. controlling water.

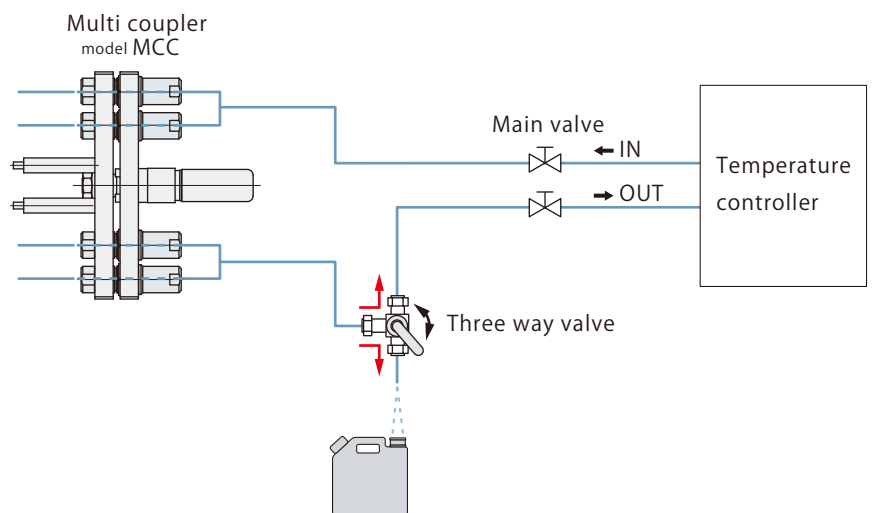
Disconnect	
1	Turn OFF the temp. controlling water.
2	Close the main valve from IN to OUT in order.
3	Switch the three way valve B to air release side.
4	Switch the three way valve A to air purge side.
5	Supply air to drain controlling water in the circuit totally and then stop air.
6	Switch the three way valve to the side of temp. controlling water from A to B in order .
7	Disconnect the coupler.



Without air purge

Connection	
1	Connect the air coupler.
2	Open the main valve from OUT to IN in order.
3	Turn ON the temp. controlling water.

Disconnect	
1	Turn OFF the temp. controlling water.
2	Close the main valve from IN to OUT in order.
3	Switch the three way valve to air release side and drain the temp. controlling water.
4	Switch the three way valve to the side of temp. controlling water.
5	Disconnect the coupler.



Multi coupler Line up

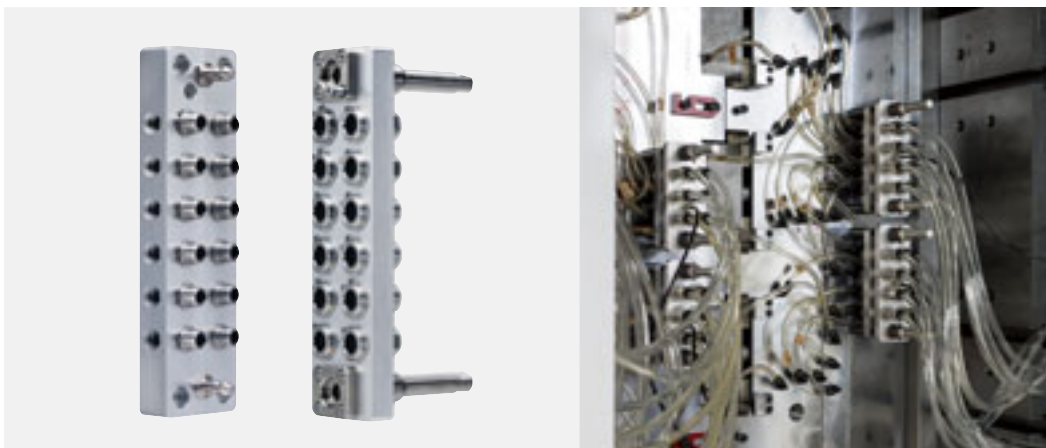
Multi Coupler check valve model model **MCC**

Fluid			Pressure	Connection port		Number of ports		
Hydraulic	Water	Air	Max. 0.8MPa	Rc1/4	Rc3/8	6	8	12

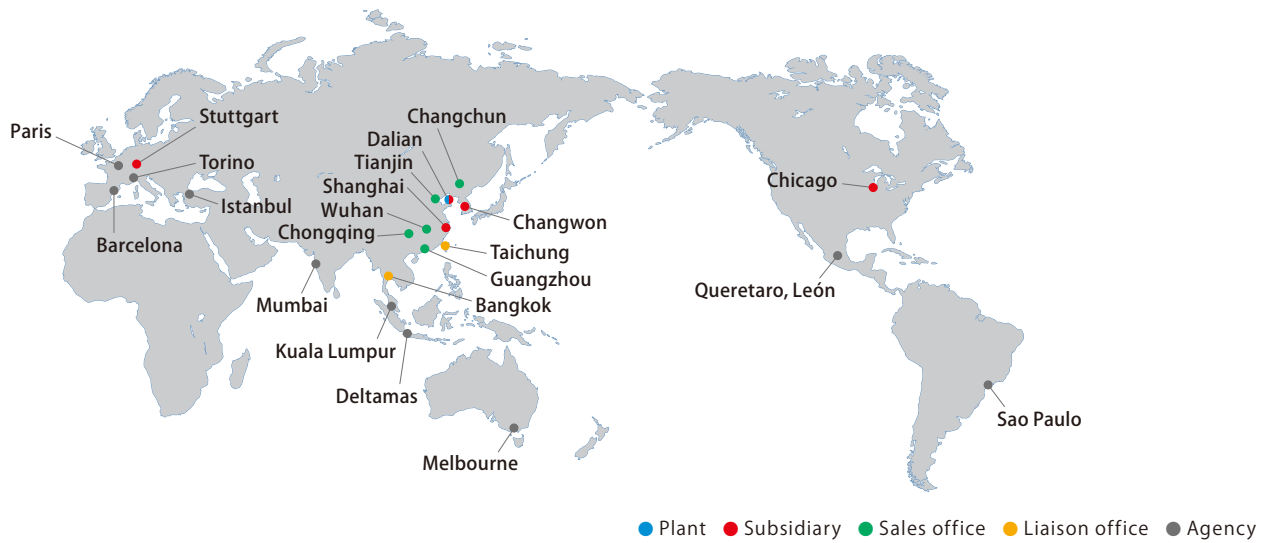


Multi coupler open model model **MCA**

Fluid			Pressure	Connection port		Number of ports		
Hydraulic	Water	Air	Max. 0.8MPa	Rc1/4	Rc3/8	6	8	12



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