

# Air Couplers

## Plugs / Sockets

**Air Couplers – Plugs**

Type	Material	Surface Treatment
<b>MCPC</b>	Brass	Chrome Plating
<b>MCPCS</b>	316 Stainless Steel	—

RoHS10

Part Number		L	T	Mass (g)
Type	No.			
<b>MCPC</b>	4	24.5	8.1	3 (5.5)
<b>MCPCS</b>	6	28.0	10.1	5 (9)

① Values in ( ) are for MCPCS.

**Air Couplers – Sockets**

Type	Material	Surface Treatment
<b>MCSCB</b>	Brass	Chrome Plating
<b>MCSCBS</b>	304 Stainless Steel	—

RoHS10

Part Number		L	D	T	Width Across Flats H	Width Across Flats H <sub>1</sub>	Mass (g)
Type	No.						
<b>MCSCB</b>	4	34 (42.1)	16 (19.6)	M10 x 1 (M12 x 1)	13 (15)	13 (17)	15 (26.2)
<b>MCSCBS</b>	6	36 (45)	18 (25.4)	M12 x 1 (M16 x 5)	15 (18)	15 (22)	18.5 (45.4)

① Values in ( ) are for MCSCBS.

**Air Couplers – Sockets**

**MCSC**  
**MCSCS**

4 / 6

8 / 10

Type	Material	Surface Treatment
<b>MCSC</b>	Brass	Chrome Plating
<b>MCSCS</b>	304 Stainless Steel	—

Part Number		L	C	T	Mass (g)
Type	No.				
<b>MCSC</b>	4	31.5 (34.6)	11.8 (11)	8.1	9 (11.4)
<b>MCSCS</b>	6	33.5 (37)	12.5 (13)	10.1	11.5 (16.2)

① Values in ( ) are for MCSCS.

**Part Number Example**

Part Number  
**MCPC4**  
**MCSC6**  
**MCSCS10**

- ① In order to combine connectors described between P.3515 and P.3524 for use, refer to the table on P.3515.
- ② Combination other than described on the table on P.3515 is not available. Thus, when using connectors, be sure to check the table.

**Air Couplers – Plugs**

Type	Material	Surface Treatment
<b>MCPCL</b>	Brass	Chrome Plating
<b>MCPCLS</b>	304 Stainless Steel	—

RoHS10

Part Number		L	T	E	C <sub>1</sub>	Mass (g)
Type	No.					
<b>MCPCL</b>	4	23.8 (23.3)	8.1	18.3	10 (11)	10 (10.9)
<b>MCPCLS</b>	6	24.3 (26.3)	10.1	18.8 (19.8)	12 (13)	13.5 (19.7)

① Values in ( ) are for MCPCLS.

**Air Couplers – Sockets**

Type	Material	Surface Treatment
<b>MCSCSCL</b>	Brass	Chrome Plating
<b>MCSCSCLS</b>	304 Stainless Steel	—

Part Number		L	C	T	E	Mass (g)
Type	No.					
<b>MCSCSCL</b>	4	30.8	10 (11)	8.5 (8.1)	25.8	16 (15.5)
<b>MCSCSCLS</b>	6	31.8 (33.8)	12.5 (13)	10.3 (10.1)	26.3 (27.3)	19 (24.3)

① Values in ( ) are for MCSCSCLS.

**Application Example**

### Specifications

Seal Material	Operating Temperature	Max. Operating Pressure MPa (kgf/cm <sup>2</sup> )	Applicable Fluid
Nitrile Rubber (NBR Nitrile Rubber)	-20~60°C	Brass: 1.0 (10) 304 Stainless Steel: 1.0 (10)	Air

- ① Single Passage Opening Closing System (Valve is provided on the socket side.)
- ② For combination with a tube, select the same number as that of the tube diameter.
- ③ The specifications are related to the coupling bodies. The actual pressure specification, operating temperature range and etc. vary depending on the material of the tubes.

# Air Couplers

## Tube Connecting

Page	Applicable Fluids	Type	Applicable Combined Part Numbers		Applicable to Combining Different Sizes or not	Remarks
			Plugs	Sockets		
P.3516	Air (Water is also applicable partially.)	Tube Connecting	MCPC MCPCS MCPCL MCPCLS	MCSC MCSCS MCSCSCL MCSCB MCSCBS	Yes	① Only Size 4 and 6 is applicable to MCPS / MCPCS / MCSC / MCSCS.
P.3517~3519		Standard Type (Including Rotary / Locking / Branch Type)	MCPM MCPMS MCPF MCPH MCPHS MCPN MCPC MCPCS MCPRM MCPRF (MCRN MCRT MCLTR MCRE)	MCSM MCSMS MCHSM MCSF MCSFS MCHSF MCHS MCSH MCHSH MCSCN MCSC MCSCS MCSTM MCSTFN MCSTH (MCRN MCRT MCLTR MCRE)	Yes	① Only Size 8 and 10 is applicable to MCPS / MCPCS / MCSC / MCSCS. ② Branch Type has both the Plug and Socket shapes.
P.3520		Lightweight	KSCPM MSCPF KSCPH KSCPN	KSCSM KSCSF KSCSH KSCSN	Yes	—
P.3521		Miniature	NMCPM NMCPMS NMCPF NMCPFS NMCPH NMCPHS NMCPHL NMCPHLS	NMCSM NMCSMS NMCSHB NMCSHBS NMCSH NMCSHS NMCSHL NMCSHLS	Yes	—
P.3524		Chemical Resistant Type 316 Stainless Steel	MCPMSS MCPFSS MCPHSS	MCSMSS MCSHSS	No	—
P.3522		No Valve Type	QNPFC QNPFSS QNPMS QNPFSS QNPFC QNPHS	QNSFC QNSFS QNSMC QNSMS QNSHC QNSHS	No	① When Threaded / Tapped Type and Hose Connecting Type are used in combination with each other, check their sizes. P.3522
P.3523	Valve Type	QBPFQ QBPFSS	QBSFC QBSFS	No	—	
P.3523	High flow Rate Valve Type	QBPFCH QBPFSS	QBSFCH QBSFSS	No	—	
P.3523	210 High Pressure Valve Type	QBPHQ	QBSHT	No	—	
P.3523	350 High Pressure Valve Type	QBPHQ	QBSHTP	No	—	