

Air Couplers (Plugs)

Threaded / Tapped / Tube Connecting / Nut Tightening / One-Touch Coupling

For combination of plugs and sockets, refer to P.3515.

Air Couplers (Plugs) – Threaded

Type	Material	Surface Treatment
MCPM	Steel	Chrome Plating
MCPMS	303 Stainless Steel	—

RoHS10

Part Number	Type	No.	Thread Dia. T	L	Wrench Flats H	Mass (g)	
						MCPM	MCPMS
MCPM MCPMS	20		R 1/4	41	14	25	27
	30		R 3/8	42	19	43	40
	40		R 1/2	46	22	59	62

Air Couplers (Plugs) – Tube Connecting

Type	Material	Surface Treatment
MCPH	Steel	Chrome Plating
MCPHS	303 Stainless Steel	—

RoHS10

Part Number	Type	No.	Tube Inner Dia. (mm)	L	A	T	Mass (g)	
							MCPH	MCPHS
MCPH MCPHS	6.5		6.5	54	27	7.2	24	26
	8		8	57	30	9	28	

Air Couplers (Plugs) – One-Touch Coupling

Type	Material	Surface Treatment
MCPC	Steel	Chrome Plating
MCPCS	303 Stainless Steel	—

RoHS10

Part Number	Type	No.	L	T	Inner Dia. B	Mass (g)
		10	45.0 (50)	19.5 (15)	7.5	43 (50)

Values in () are for MCPCS.

Air Couplers (Plugs) – Tapped

Type	Material	Surface Treatment
MCPF	Steel	Chrome Plating
MCPFS	303 Stainless Steel	—

RoHS10

Part Number	Type	No.	Thread Dia. T	L	Wrench Flats H	Mass (g)	
						MCPF	MCPFS
MCPF MCPFS	20		Rc 1/4	36	17	28	30
	30		Rc 3/8	37	21	39	41
	40		Rc 1/2	38	29	70	69

Air Couplers (Plugs) – Nut Tightening

Type	Material	Surface Treatment
MCPCN	Steel	Chrome Plating

RoHS10

Part Number	Type	No.	L	A	B	H	Mass (g)
		10	43	17	5.3	17	42
		12	45	19	7.5	19	50

When MCPCN is used in combination with tube, select the same number as that of the tube outer diameter.

Part Number Example

MCPC8
MCPC4
MCSC6

Specifications

Type	Plugs
Applicable Fluid	Air / Water (Stainless Steel Type)
Operating Temperature Range	-20~80°C
Max. Operating Pressure	1.5 MPa
Pressure Resistant	2.0 MPa
Seal Material	Nitrile Rubber
Structure of Valve	Single Passage Opening Closing Type

- Single Passage Opening Closing System (Valve is provided on the socket side.)
- For combination with a tube, select the same number as that of the tube diameter.
- 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 (Sockets)

Threaded / Tapped / Tube Connecting / Nut Tightening / One-Touch Coupling

For combination of plugs and sockets, refer to P.3515.

Air Couplers (Sockets) – Threaded

Type	Material	Surface Treatment
MCSM	Steel	Chrome Plating
MCSMS	303 Stainless Steel	—

RoHS10

*MCSMS is for 025.4.

Part Number	Type	No.	Thread Dia. T	L	Wrench Flats H	Inner Dia. B	Mass (g)		
							MCSM	MCSMS	MCHSM
MCSM MCSMS	20		R 1/4	55.5	19	7	101	96	—
	30		R 3/8	56.5	19	8	108	105	—
	40		R 1/2	59.5	23	9	131	120	—
MCHSM	20		R 1/4	60	19	7.5	—	—	89
	30		R 3/8	60.5	19	10	—	—	91
	40		R 1/2	56	24	13	—	—	102

Air Couplers (Sockets) – Tube Connecting

Type	Material	Surface Treatment
MCSH	Steel	Chrome Plating
MCSHS	303 Stainless Steel	—

RoHS10

*MCSHS is for 025.4.

Part Number	Type	No.	Tube Inner Dia. (mm)	L	A	T	Inner Diameter B	Mass (g)		
								MCSH	MCSHS	MCHSH
MCSH MCSHS	6.5		6.5	69.5	27	7.2	4.5	99	99	—
	8		8	72.5	30	9	5	103	100	—
MCHSH	6.3		6.3	77	27	7.2	4.5	—	—	86
	9.5		9.5	79	32	11.3	7.5	—	—	92
	12.7		12.7	79.5	32	15	10	—	—	104

Air Couplers (Sockets) – One-Touch Coupling

Type	Material	Surface Treatment
MCSC	Brass	Chrome Plating
MCSCS	303 Stainless Steel	—

RoHS10

Part Number	Type	No.	L	C	T	Mass (g)
		10	56.0 (62)	17.5 (22)	15.4 (14.5)	107 (115)

Air Couplers (Sockets) – Tapped

Type	Material	Surface Treatment
MCSF	Steel	Chrome Plating
MCSFS	303 Stainless Steel	—

RoHS10

*MCSFS is for 025.4.

Part Number	Type	No.	Thread Dia. T	L	Width Across Flats H	Mass (g)		
						MCSF	MCSFS	MCHSF
MCSF MCSFS	20		Rc 1/4	49.5	19	95	98	—
	30		Rc 3/8	50.5	21	103	99	—
	40		Rc 1/2	52.5	29	139	138	—
MCHSF	20		Rc 1/4	57.5	19	—	—	94
	30		Rc 3/8	55.5	22	—	—	103
	40		Rc 1/2	57.5	29	—	—	138

Air Couplers (Sockets) – Nut Tightening

Type	Material	Surface Treatment
MCSCN	Steel	Chrome Plating

RoHS10

Part Number	Type	No.	L	B	H ₁	Mass (g)
		10	64.5	5.3	17	106
		12	65.5	7.5	19	112

Features (High Flow Rate Type)

- Unlike conventional types, pushing in the plug is all that is required to connect it to the socket.
- Low pressure-loss valve structure has increased the flow rate by 15%.

Precautions for Use (All Standard Type)

- Be sure that the fluid flows from the socket side to the plug side.
- Not available for vacuum service as unit or connected.

Specifications

Type	Sockets	Sockets: High Flow Rate Type
Applicable Fluid	Air / Water (Stainless Steel Type)	Air
Operating Temperature Range	-20~80°C	-20~60°C
Max. Operating Pressure	1.5 MPa	1.5 MPa
Pressure Resistant	2.0 MPa	2.0 MPa
Seal Material	Nitrile Rubber	
Structure of Valve	Single Passage Opening Closing Type (Only socket has valve structure)	

Part Number Example

MCSCN10