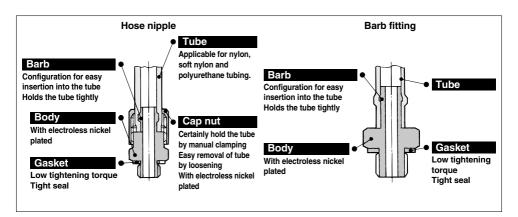
# Miniature Fittings Series M

Applicable Tubing: Ø3.2, Ø4, Ø6 Connection Thread: M3, M5, R 1/8



#### Compact piping space

Hose nipple tubing connection/disconnection is simple while keeping a large retaining force.

Line un venieve etvice

### Line up various styles For air connection in confined areas.

# Accepts many styles of plastic tubing

Hose nipple and hose elbow accepts nylon, soft nylon, and polyurethane tubing.





#### **Specifications**

Applicable tu	bing material	Nylon	Soft n	ylon (1)	Polyurethane	Super PFA (2)	FEP (3)	Modified PTFE (4)		
Applicable	МЗ	_		ø4/ø2.5	ø3.18/ø2 ø4/ø2.5	_	-	_		
tubing O.D. / I.D.	M5, R 1/8	ø4/ø2.5 ø6/ø4	ø3.18/ø2.18	ø4/ø2.5 ø6/ø4	ø3.18/ø2 ø4/ø2.5 ø6/ø4	ø6/ø4	ø4/ø2.5 ø6/ø4	ø4/ø2.5 ø6/ø4		
Fluid		Air, Water (5)								
Max. operating pressure (at 20°C)		1.5 MPa	1 MPa		0.8 MPa	1 MPa	1.5 MPa	1.4 MPa		
Ambient and fluid temperature		-5 to 60°C, Water: 0 to 40°C (No freezing)								
Connection size		M3, M5, R 1/8 M5, R 1/8								
Thread		JIS B0205, Class 2 (Metric fine thread) JIS B0203 (Taper thread for piping)								

Note 1) Soft nylon tubing is not compatible with water.

Note 2), Note 3), Note 4) Compatible only with hose nipple type.

Note 5) Barb fitting, barb elbow, barb elbow (H) are not compatible with water.

#### **Principal Parts Material**

	Material	Body	C3604BD (Nipple M-3N, M-5N: Stainless steel 303)
		Gasket	Nylon 66: GF30%, Stainless steel 304: NBR (PVC for M3)

## Fitting Markings for Applicable Tubing Material (Barb fitting, Barb elbow, Barb elbow (H)) Tubing material determines the compatible fittings. (Refer to the table below.)

Connection	Tubing	Fitting marking for applicable tubing material								
	Tubing	Barb fittings	Barb elbow	Barb elbow (H)						
М3	Soft nylon tubing Polyurethane tubing									
R ½, M5	Nylon tubing									
	Soft nylon tubing Polyurethane tubing	Marking	Marking	Marking						

<sup>\*</sup> Body of M-5E, M-5ER, M-5M is not surface-treated. Electroless nickle plate treated is available as option -X2.



## Miniature Fittings $\,$ Series $\,$ $\,$ $\,$ $\,$ $\,$

KQ2 KQB2 KS KX KM KF M H/DL L/LL KC KK KK130 DM KDM KB KR KA KQG2 KG KFG2 MS KKA KΡ LQ MQR Т

#### Series M3, R 1/8

#### Series M5

Poiss Model	Description	Appli	ootion	Note	Carine	Model	Description	Appli	ontion	Note	Corion	Model	Description	Application	Note
Series Model	Description Barb fitting		cation oft nylon	Note ø3.18/2.18	Series	Model	Description Barb fitting	Appli	cation	Note	Series	Model	Description	Application	Note
M-3AU-3	for soft tube	tubing		x M3		M-5AN-4	for nylon tubing	For ny	lon	ø4/2.5 x M5			lee	Both sides	M5 female
	The state of the s	For po		ø3.18/2 x M3				tubing		ø6/4		M-5T		allow 90° connection	x M5 female x M5 female
			ft nylon	ø4/2.5		M-5AN-6	P.151			x M5			P.152		
M-3AU-4	P.150	and po		x M3			Barb fitting		ft nylon	ø3.18/2.18			Universal elbow	Body rotates	
	Barb elbow for		For soft	ø3.18/2.18		M-5AU-3	for soft tubing	tubing For po		x M5 ø3.18/2		M-5UL		at 360° around the	M5 female x M5 male
M-3ALU-3	soft tubing		nylon tubing	x M3				thane		x M5				stud axis	x ivio male
07120 0	250	Body rotates	For poly- urethane	ø3.18/2		M-5AU-4	The state of the s	For so	ft nylon	ø4/2.5 x M5			P.152 Universal tee		
		at 360° around the	tubing	x M3		M-5AU-6		and po		ø6/4			-	Body rotates at 360°	M5 female
M-3ALU-4	w.	stud axis	nylon	ø4/2.5		IVI-SAU-6	P.151	lilaile	tubing	x M5		M-5UT		around the	x M5 female x M5 male
			and poly- urethane	x M3		M-5ALN-4	Barb elbow for nylon tubing	• For n		ø4/2.5 x M5			P.152	stud axis	
	P.150 Universal		tubing					Body at 360	rotates )° around	-			Extention fitting	Solid piece	
	elbow		rotates			M-5ALN-6			ud axis	ø6/4 x M5		M-5J		moves fitting up from	M5 male x M5 female
M8 M-3UL	-	at 360 aroun		M3 female x M3 male			P.151 Barb elbow for		For soft	ø3.18/2.18				workpiece	X IVIS IEITIAIE
	P.150	stud a	axis			M-5ALU-3	soft tubing		nylon tubing	x M5			P.152 Nipple	Fitting to	
	Universal						~	Body rotates at	For poly- urethane tubing	ø3.18/2 x M5				workpiece	M5 male
	tee	at 360	rotates )°	M3 female		M-5ALU-4		360° around the	For soft	ø4/2.5		M-5N		and fitting to fitting	x M5 male
м-зит		aroun		x M3 female x M3 male				stud axis	nylon and poly-	x M5 ø6/4			P.152	connection	
	P.150	stud a	IXIS			M-5ALU-6	P.151		urethane tubing	x M5			Universal nipple	Body rotates	M5 male
	Nipple	Fitting				M-5ALHN-4	Barb elbow (H) for nylon tubing	Body		ø4/2.5	M5	M-5UN	- Ph	at 360° around the	x M5 male
M-3N		workp and fit		M3 male		III OALIIIV 4	for hylon tubing	rotates at 360°	For nylon	x M5			0	stud axis	PAT.
0.1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	to fitti	ng ¯	x M3 male	M5	M-5ALHN-6	THE STATE OF THE S	around the stud axis	tubing	ø6/4			P.152 Bulkhead union		
	P.150 Plug	conne	ection				P.151		For soft	x M5				Panel-mount	M5 female
	Plug	Use to	o plua				Barb elbow (H) for soft tubing		nylon tubing	ø3.18/2.18 x M5		M-5E		connection	x M5 female
м-зР		unuse				M-5ALHU-3	40	Body rotates	For poly- urethane	ø3.18/2			P.152		
	D.150	port					THE REAL PROPERTY.	at 360° around the	tubing For soft	x M5 ø4/2.5			Bulkhead reducer	Reduction from Rc 1/8 to	
	P.150					M-5ALHU-4		stud axis	nylon and polyure-	x M5		M-5ER		M5 including panel or	Rc 1/8 x M5 female
Series Model	Description	Appli	cation	Note		M-5ALHU-6	P.151		thane tubing	ø6/4 x M5			P.153	bracket mounting	X WIO TOTTIAIC
	Barb fitting			ø4/2.5 x			Hose nipple	For ny	lon,	ø4/2.5			Manifold	For reducing Rc	
M-01AN-4	for nylon tubing	For ny		R 1/8		M-5H-4		soft ny	rlon	x M5		M-5M	W.C.C	1/8 female be diverted to up to 9,	Rc 1/8 x M5 female
M-01AN-6	Complete Com	tubing	,	ø6/4 x		M-5H-6		and polyur	ethane	ø6/4		IVI-SIVI		M5 stations, including panel	(9 stations)
INI-OTAIV-O	P.150			R 1/8		WI-311-0	P.151	tubing		x M5			P.153	or bracket mounting	
M-01AU-4	Barb fitting for soft tubing	For so	oft	ø4/2.5 x		M-5HL-4	Hose elbow	• For n	vlon.	ø4/2.5			Bushing	For reducina	
R 1/8	noi contrabing	nylon		R 1/8			Y	soft n	ylon and	x M5		M-5B		R 1/8 female	R 1/8 x M5 female
M-01AU-6		polyui thane	re- tubing	ø6/4 x R 1/8		M-5HL-6		polyu	rethane	ø6/4			P.153	to M5.	X WIO TOTTIAIC
	P.150 Hose nipple	_					P.152 Hose elbow (H)	Body at 36	rotates	x M5			Plug	Use to plug	$\vdash$
M-01H-4	. 1000 Tilppie	For ny soft ny		Ø4/2.5 x R ½		M-5HLH-4	I lose elbow (H)	arour	d the	ø4/2.5 x M5		M-5P		unused M5	
		and p	oly-					stud a	axis				P.153	port.	
M-01H-6	P.150	uretha tubing		Ø6/4 x R ½		M-5HLH-6	P.152			ø6/4 x M5					
	F.150	I					Elbow								

**SMC** 

P.152

One-sided 90° elbow M5 female x M5 female