# Miniature Fittings

# M Series

Applicable Tubing: ø2 Connection Thread: M3, M5



K<sub>0</sub>2

KQB2

KM

KF

M

H/DL

L/LL

KC

KK

KK130

DM

**KDM** 

KB

KR KA KOG2

KG

KFG2

MS

KKA

KP

L<sub>0</sub>

MQR

**IDK** 

Applicable tubing O.D. x I.D.:  $\emptyset$ 2 x  $\emptyset$ 1.2 Connection thread: M3 x 0.5 / M5 x 0.8 One-touch fitting size:  $\emptyset$ 3.2 /  $\emptyset$ 4



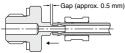
#### **Tubing Connection and Removal**

#### Connection of tubing

- 1. Cut the tubing perpendicularly allowing additional length.
- 2. Insert the tubing into the sleeve.



Insert the tubing slowly into the fittings. Make sure to secure a gap of approx. 0.5 mm between the tubing end and the barb end.



 Insert the sleeve slowly. Make sure not to allow any gap between the sleeve end side and the body end side. (Please refer to the illustration below.)

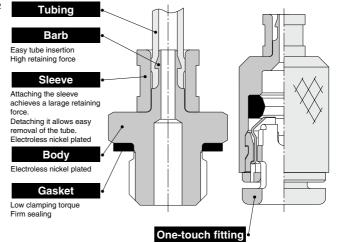
If you feel any strong resistance and cannot push the sleeve completely to the end side, this may be caused due to jamming. Remove and repeat again by starting from step 1 making sure to secure a gap in the step 3.

Note) When installing the tubing, the sleeve must be attached. Operation without attaching the sleeve may cause tubing disconnection.



#### Removal of tubing

- Withdraw the sleeve straight along the tubing. Use a tool such as long-nose pliers if it is difficult to pull out by hand.
- 2. Withdraw the tubing straight.
- When reusing the tubing, cut off the previously installed portion of the tubing to avoid possible leakage and/or disconnection of the tubing.



#### **Specifications**

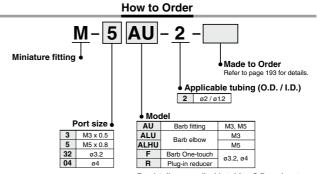
Applicable tubing material	Polyurethane
Applicable tubing (O.D. / I.D.)	ø2 / ø1.2
Fluid	Air, Water (1, 2)
Max. operating pressure	1 MPa (3)
Ambient and fluid temperature	-5 to 60°C, Water: 0 to 40 (No freezing)
Port size	M3, M5, ø3.2, ø4
Thread	JIS B0205 (Metric fine thread)

Note 1) The surge voltage pressure must be under the maximum operating pressure.

Note 2) Deionized water is not recommended for use as it may affect the material used in the fittings.

In addition, it is known to degrade the water quality.

Note 3) Apply the maximum operating pressure to the tube during the tube connection.



For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

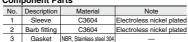
#### **Dimensions**

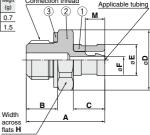
#### Barb Fitting: M-3AU-2, M-5AU-2











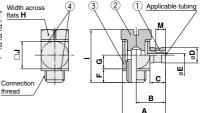
Connection thread

#### Barb Elbow: M-3ALU-2, M-5ALHU-2



Applicable tubing O.D. / I.D. (mm)	Connection thread	Model	н	A	В	С	D	Е	F	G	ı	J	М	Weight (g)	_
ø2 / ø1.2	M3 x 0.5	M-3ALU-2	5	9	6.5	4	4	0.0	2.5	2.5	9.4	5	2 -	1.6	
02/01.2	.D. (mm) thread N	M-5ALHIL2	7	11	7.5	4	4	0.9	2.5	3.5	12.5	7	2.5	3.5	

1	Com	ponent Part	S	
ĺ	No.	Description	Material	Note
	1	Sleeve	C3604	Electroless nickel plated
	2	Stud	C3604	Electroless nickel plated
	3	Barb elbow	C3604	Electroless nickel plated
	4	Gasket	NBR, Stainless steel 304	_

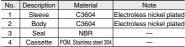


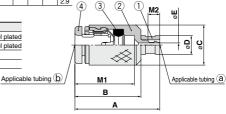
#### Barb One-touch: M-32F-2, M-04F-2



Applicable	tubing (mm)			В	С	_	_		840	Weight
@ (O.D. / I.D.)	⊕(O.D.)	Model	Α	В	C	D	_	IVII	IVIZ	(g)
ø <b>2 /</b> ø <b>1.2</b>	ø3.2	M-32F-2	17.7	13.7	7.5	_	0.0	12.7	2 -	2.4
	ø <b>4</b>	M-04F-2	18	14	8.5	1 4	0.9	12.7	2.5	2.9

# No Description





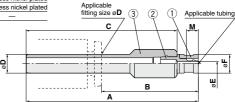
#### Plug-in Reducer: M-32R-2, M-04R-2

Applicable tubing O.D. / I.D. (mm)		Model	Α	B (1)	<b>B</b> (2)	С	E	F	М	Weight (g)
ø2 / ø1.2	ø3.2	M-32R-2	36	23.3	20.5	31.5	0.9		2 -	0.7
02/01.2	σ <b>4</b>	M-04R-2	36.5	23.8	20.5	32	0.9	4	2.5	0.8

Note 1) Dimensions when connected to the M5 and M6 connection threads for KJ series and KQ series. Note 2) Dimensions when connected to KQ series.

Component Parts

# No. Description Material Note 1 Sleeve C3604 Electroless nickel plated 2 Studded body C3604 Electroless nickel plated 3 Stem PP





® 192

# **Made to Order Specifications**



Please contact SMC for detailed dimensions, specifications and lead times.

## 1 Gasket Material Modification

Symbol	S	pecifications					
	Gasket material: Stainless steel 304, FKM						
X226	Applicable thread	Gasket part no.					
	M3	M3G-DPH00489					
	Gasket material: Stainless steel 316, Special FKM						
X112	Applicable thread	Gasket part no.					
	M5	M-5G3					

#### **Spare Parts**

Description	Part no.	Applicable thread	Material
	IN-233-706	M3	Stainless steel 304, NBR
Gasket	M-5G2	M5	Stainless steel 304, NBR
	M-5G3	CIVI	Stainless steel 316, Special FKM
Sleeve	M-5-2-P02	_	C3604 (With electroless nickel plated)

## 

Be sure to read this before handling the products.

I Refer to back page 50 for Safety Instructions and pages 13 to 17

for Fittings and Tubing Precautions.

#### **⚠** Caution

- 1. Tightening of M3/M5 Threads
  - 1) Tighten a barb fitting by hand, and give it an additional 1/6 turn with a wrench.
  - 2) Tighten a barb elbow by hand, and give it an additional 1/3 turn with a wrench.

KQ2

KQB2

KM

KF

M

H/DL L/LL

> KC KK

KK130

DM

KDM

KB KR

KA

KQG2

KG KFG2

MS

KKA

KP LO

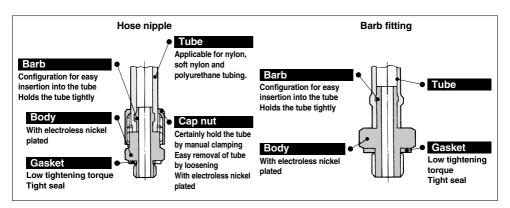
MQR

IDK



# Miniature Fittings M Series

Applicable Tubing:  $\emptyset 3.2$ ,  $\emptyset 4$ ,  $\emptyset 6$  Connection Thread: M3, M5, R 1/8



#### Compact piping space

Hose nipple tubing

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

#### Line up various types

For air connection in confined areas.

#### Accepts many types of plastic tubing

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





#### **Specifications**

Applicable tu	bing material	Nylon	Soft	nylon	Polyurethane	Super PFA (1)	FEP (2)	Modified PTFE (3)		
Applicable	МЗ	_		ø4/ø2.5	ø3.18/ø2 ø4/ø2.5	_	-	_		
tubing O.D. / I.D.	M5, R ½	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 (4, 5)								
Max. operating p	ressure (at 20°C)	1.5 MPa	1 M	IPa	1 MPa	1.5 MPa	1.4 MPa			
Ambient and flu			-5 to 60°C, Water: 0 to 40°C (No freezing)							
Connection	n size		M3, M5, R <sup>1</sup> / <sub>8</sub> M5, R <sup>1</sup> / <sub>8</sub>							
Thread						Metric fine the read for piper.				

Note 1), Note 2), Note 3) Compatible only with hose nipple type.

Note 4) Barb fitting, barb elbow, barb elbow (H) are not compatible with water.

Note 5) Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

#### **Principal Parts Material**

	Body	C3604 (Electroless nickel plate) (Nipple M-3N, M-5N: Stainless steel 303)
Material	Gasket	Nylon 66: GF30%, Stainless steel 304: NBR (PVC for M3)
* Body of M	-5E. M-5ER	, M-5M is not surface-treated.

Electroless nickel plate treated is available as option -X2.

# 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 mar	king for applicable tubir	ng material
Connection	rubing	Barb fittings	Barb elbow	Barb elbow (H)
МЗ	Soft nylon tubing Polyurethane tubing		—	
R 1/8,	Nylon tubing			
M5	Soft nylon tubing Polyurethane tubing	Marking	Marking	Marking

# Miniature Fittings *M 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

#### M3, R 1/8 Series

#### M5 Series

					٠.					A . I		D	A P P		
eries Model	Description Barb fitting		cation ft nylon	Note ø3.18/2.18	Serie	Model	Description Barb fitting	Appii	cation	Note	Series	Model	Description	Application	Note
M-3AU-3	for soft tube	tubing For po	lyure-	x M3 Ø3.18/2 x M3		M-5AN-4	for nylon tubing	For ny tubing		ø4/2.5 x M5 ø6/4		M-5T	tee	Both sides allow 90° connection	M5 female x M5 female x M5 female
		For so	ft nylon	ø4/2.5		M-5AN-6	P.197			x M5			P.198		
M-3AU-4	P.196 Barb elbow for	and po thane		x M3 ø3.18/2.18		M-5AU-3	Barb fitting for soft tubing	For so		ø3.18/2.18 x M5 ø3.18/2		M-5UL	Universal elbow	Body rotates at 360° around the	M5 female
M-3ALU-3	soft tubing	Body rotates	tubing For poly- urethane	x M3 ø3.18/2		M-5AU-4	OF THE	thane For so	tubing ft nylon	x M5 Ø4/2.5			P.198 Universal tee	stud axis	
M-3ALU-4		at 360° around the stud axis	tubing For soft nylon	x M3		M-5AU-6	P.197	and po		x M5 ø6/4 x M5		M-5UT		Body rotates at 360° around the	M5 female x M5 female
M-3ALU-4	P.196		and poly- urethane tubing	ø4/2.5 x M3		M-5ALN-4	Barb elbow for nylon tubing	• For ny	/lon rotates	ø4/2.5 x M5			P.198 Extention fitting	stud axis	x M5 male
M3 M-3UL	Universal elbow	Body at 360		M3 female		M-5ALN-6	P.197	P.197 the stud axis x  P.197 For soft nylon Ø3.1		ø6/4 x M5 ø3.18/2.18		M-5J		Solid piece moves fitting up from workpiece	M5 male x M5 female
	P.196 Universal	stud a				M-5ALU-3	soft tubing	Body rotates at	For poly- urethane	x M5 ø3.18/2 x M5			P.198 Nipple	Fitting to workpiece	M5 male
м-зит	tee	at 360 aroun	d the	M3 female x M3 female x M3 male		M-5ALU-4	$\bigcirc$	around the stud axis For soft nylon and poly-		ø4/2.5 x M5		M-5N	P.198	and fitting to fitting connection	x M5 male
	P.196 Nipple	stud a		x wa male		M-5ALU-6	P.197 Barb elbow (H)		urethane tubing	ø6/4 x M5 ø4/2.5	M5	M-5UN	Universal nipple	Body rotates at 360°	M5 male x M5 male
M-3N	•	workp and fit to fitting	ting	M3 male x M3 male	MS		for nylon tubing	at 360° around the	at 360° Inylon				P.198	around the stud axis	PAT.
	P.196 Plug	Conne Use to	ction		IVIS	W-SALTIN-0	P.197 Barb elbow (H) for soft tubing	stud axis	For soft nylon tubing	x M5 ø3.18/2.18 x M5	M-5E		Bulkhead union	Panel-mount connection	M5 female x M5 female
М-ЗР		unuse				M-5ALHU-3		Body rotates at 360°	For poly- urethane tubing	ø3.18/2 x M5 ø4/2.5			P.198 Bulkhead reducer	Reduction from Rc 1/8 to	
	P.196					M-5ALHU-4 M-5ALHU-6	3	around the stud axis	nylon and polyure- thane	x M5 ø6/4		M-5ER		M5 including panel or bracket	Rc 1/8 x M5 female
nies Model	Description Barb fitting	Appli	cation	Note			P.197 Hose nipple	_	tubing	x M5			P.199	mounting For reducing Rc	
M-01AN-4 M-01AN-6	for nylon tubing	For ny tubing		Ø4/2.5 x R ½8 Ø6/4 x		M-5H-4 M-5H-6	Hose Hippie	For ny soft ny and polyur		ø4/2.5 x M5 ø6/4		M-5M	Manifold	1/8 female be diverted to up to 9, M5 stations, including panel	Rc 1/8 x M5 female (9 stations)
M-01 ALI-4	P.196 Barb fitting	For so	oft	R 1/8 ø4/2.5 x		M-5HL-4	P.197 Hose elbow	tubing		x M5 ø4/2.5			P.199 Bushing	or bracket mounting	
M-01AU-4 M-01AU-6	for soft tubing	nylon polyu	and	R 1/8 Ø6/4 x		M-5HL-6		For nylon, soft nylon and polyurethane		x M5 ø6/4 x M5		M-5B	•	For reducing R 1/8 female to M5.	R 1/8 x M5 female
M-01H-4	P.196 Hose nipple	For ny	rlon,	R1/8 ø4/2.5 x		M-5HLH-4	P.198 Hose elbow (H)	Body at 36	• Body rotates at 360° around the			M-5P	P.199 Plug	Use to plug unused M5	
M-01H-6		and p uretha	oly- ane	R 1/8 Ø6/4 x		M-5HLH-6		stud a		x M5 ø6/4			P.199	port.	
	P.196	tubing	1	R 1/8			P.198			x M5					
							Elbow								

M5 female

x M5 female

One-sided

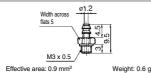
90° elbow

IDK

#### M3 Series

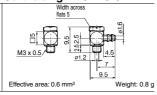
#### Barb Fitting for Soft Tubing: M-3AU-3





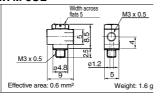
#### Barb Elbow for Soft Tubing: M-3ALU-3





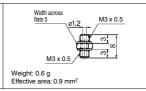
#### **Universal Elbow: M-3UL**





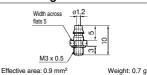
#### Nipple: M-3N





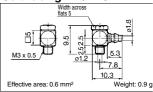
#### Barb Fitting for Soft Tubing: M-3AU-4





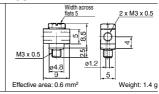
#### Barb Elbow for Soft Tubing: M-3ALU-4





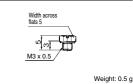
#### Universal Tee: M-3UT





#### Plug: M-3P



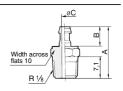


#### R 1/8 Series

#### Barb Fitting for Nylon Tubing, Soft Tubing: M-01A□-4/-6



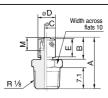
Model	A	В	øC	(mm²)	(g)
M-01AN-4	15.1	5	1.8	2.1	6.4
M-01AN-6	17.1	7	2.5	4.0	6.6
M-01AU-4	15.1	5	1.8	2.1	6.5
M-01AU-6	17.1	7	2.5	4.0	6.7
	M-01AN-4 M-01AN-6 M-01AU-4	M-01AN-4 15.1 M-01AN-6 17.1 M-01AU-4 15.1	M-01AN-4 15.1 5 M-01AN-6 17.1 7 M-01AU-4 15.1 5	M-01AN-4 15.1 5 1.8 M-01AN-6 17.1 7 2.5 M-01AU-4 15.1 5 1.8	M-01AN-4 15.1 5 1.8 2.1 M-01AN-6 17.1 7 2.5 4.0 M-01AU-4 15.1 5 1.8 2.1



#### Hose Nipple: M-01H-4/-6



Model	A	В	øC	øD	E	М	Effective area (mm²)	Weight (g)
M-01H-4	18.6	8.5	1.8	6.5	7	5	2.1	7.1
M-01H-6	19.6	9.5	3	8.5	8	6	5.5	7.7



#### Barb Fitting for Nylon Tubing: M-5AN-4/-6



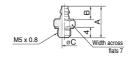
Model	Α	В	øC	Effective area (mm²)	Weight (g)
M-5AN-4	12	5	1.8	2.1	1.6
M-5AN-6	14	8	2.5	4.0	1.7

M5 x 0.8 Width across flats 7

Barb Fitting for Soft Tubing: M-5AU-3/-4/-6



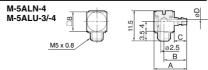
Model	Α	В	øC	Effective area (mm²)	Weight (g)
M-5AU-3	11.5	4.5	1.6	1.7	1.5
M-5AU-4	12	5	1.8	2.1	1.6
M-5AU-6	14	7	2.5	4.0	1.8



Barb Elbow for Nylon Tubing: M-5ALN-4/-6 Barb Elbow for Soft Tubing: M-5ALU-3/-4/-6



Model	A	В	С	øD	Effective area (mm²)	Weight (g)
M-5ALN-4	13	9	5	1.8	1.4	4.0
M-5ALN-6	15	11	7	2.5	2.4	4.4
M-5ALU-3	13	9	4.5	1.6	1.1	4.0
M-5ALU-4	13.5	9.5	5	1.8	1.4	4.1
M-5ALU-6	15.5	11.5	7	2.5	2.4	4.5



M-5ALN-6 M-5ALU-6

M5 x 0.8



KQ2 KQB2

KM KF М

H/DL L/LL

KC

KK

KK130

KQG2

KFG2

KKA

KΡ LO

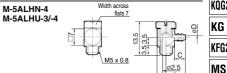
MQR

IDK

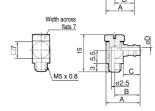
Barb Elbow for Nylon Tubing: M-5ALHN-4/-6 Barb Elbow for Soft Tubing: M-5ALHU-3/-4/-6



Model	Α	В	С	øD	Effective area (mm²)	Weight (g)
M-5ALHN-4	12	8.5	5	1.8	1.4	3.2
M-5ALHN-6	14	10.5	7	2.5	2.4	3.7
M-5ALHU-3	12	8.5	4.5	1.6	1.1	3.2
M-5ALHU-4	12.5	9	5	1.8	1.4	3.3
M-5ALHU-6	14.5	11	7	2.5	2.4	3.9



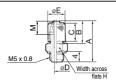
M-5ALHN-6 M-5ALHU-6



Hose Nipple: M-5H-4/-6



Model	A	В	С	øD	øΕ	н	М	Effective area (mm²)	Weight (g)	
M-5H-4	15.5	8.5	7	1.8	6.5	7	5	2.1	2.7	
M-5H-6	16.5	9.5	8	2.5	8.5	8	6	4.0	3.9	



#### M5 Series

#### Hose Elbow: M-5HL-4/-6



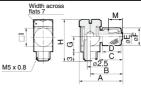
Model	A	В	С	D	øΕ	øF	М	Effective area (mm²)	Weight (g)
M-5HL-4	16.5	12.5	8.5	7	1.8	6.5	5	1.4	4.4
M-5HL-6	17.5	13.5	9.5	8	2.5	8.5	6	2.4	5.2



#### Hose Elbow: M-5HLH-4/-6

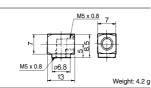


			-	øΕ	øF	G	Н	<b>□</b> '	М	(mm²)	(g)
M-5HLH-4 15.5	12	8.5	7	1.8	6.5	5.5	15	7	5	1.4	4.5
M-5HLH-6 17.5	13.5	9.5	8	2.5	8.5	6	16	8	6	2.4	6.6



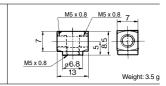
Elbow: M-5L





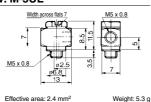
Tee: M-5T



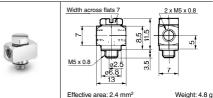


#### **Universal Elbow: M-5UL**



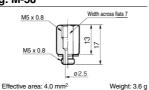


**Universal Tee: M-5UT** 

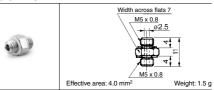


#### **Extension Fitting: M-5J**



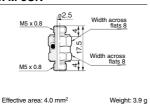


Nipple: M-5N



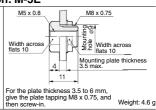
#### **Universal Nipple: M-5UN**





#### **Bulkhead Union: M-5E**





#### **Bulkhead Reducer: M-5ER**

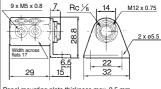




For the plate thinkness 3.5 to 6 mm, give the plate tapping M12 x 0.75, and then screw-in. Weight: 12 g

#### Manifold: M-5M

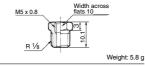




Panel mounting plate thickness max. 3.5 mm For the plate thinkness 3.5 to 6 mm, give the plate tapping M12 x 0.75, and then screw-in. Weight: 59 g

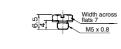
#### **Bushing: M-5B**





Plug: M-5P





Weight: 1.3 g

#### **⚠** Precautions

Be sure to read this before handling the products.

Refer to back page 50 for Safety Instructions and pages 13 to 17 for Fittings and Tubing

Precautions.

# Tightening of M3/M5 Threads

#### **⚠** Caution

1. Tighten by hand, and give it an additional turn with a wrench

Please check the number of tightening revolutions using the table below.

If tightened excessively, thread portion may be damaged and gasket may be deformed. This will cause air leakage. On the contrary, if tightened insufficiently, thread may loosen causing air leakage.

Thread	Model	Number of tightening rotations				
	M-3AU-□					
	M-3N	Approx. 1/4 rotations				
М3	M-3P					
IVIS	M-3ALU-□					
	M-3UL	Approx. 1/2 rotations				
	M-3UT					
	M-5AN-□					
	M-5AU-□					
	M-5H-□					
	M-5J	Approx. 1/6 to 1/4				
	M-5N	rotations Note)				
	M-5UN					
	M-5P					
	M-5ALN-6					
M5	M-5ALU-6					
IVIO	M-5ALHN-6					
	M-5ALHU-6					
	M-5HL-□					
	M-5HLH-□	Approx. 1/2 rotations Note)				
	M-5ALN-4	Approx. 1/2 lotations (GE)				
	M-5ALU-3,4					
	M-5ALHN-4					
	M-5ALHU-3,4					
	M-5UL					
	M-5UT					
Note) A	s a quideline the ti	ahtenina torque should				

be 1 to 1.5 N·m.

## **Use of Tube with Hose Nipple**

#### **⚠** Caution

- 1. Cut the tube perpendicularly to the tube axis to a little longer than required length. (Use tube cutter "TK-1", "TK-2" or "TK-3".)
- 2. Pass the tube through the cap nut.
- 3. Push the tube until it comes to the end of the barb portion, or it may cause air leakage or hose releasing.
- 4. Tighten the cap nut firmly by hand on the

# Use of Tube with Barb Fitting

- **⚠** Caution 1. Cut the tube perpendicularly to the tube axis to a little longer than required length. (Use tube cutter "TK-1", "TK-2" or "TK-3".)
- 2. Push the tube until it comes to the end of the barb portion, or it may cause air leakage or release hose.

KQ2

KQB2

KM

KF

M H/DL L/LL

KC KK

KK130

DM

KDM

KB KR

KA

KQG2

KG

KFG2

MS KKA

KΡ

L<sub>0</sub> MQR

**IDK** 

# **Made to Order Specifications**



Please contact SMC for detailed dimensions, specifications and lead times.

# 1 Gasket Material Modification

Symbol	Specifications					
	Gasket material: Stainless steel 304, NBR					
X83	Applicable thread	Gasket part no.				
A63	M3	M-3G2				
	M5 Note)	M-5G2				
	Gasket material: Stainless steel 304, FKM					
X226	Applicable thread	Gasket part no.				
	M3	M3G-DPH00489				
	Gasket material: Sta	ainless steel 316, Special FKM				
X112	Applicable thread	Gasket part no.				
	M5	M-5G3				

Note) Compatible with only models using M-5GH.

#### **Spare Parts**

Description	Part no.	Applicable thread	Material	Applicable model	
	M-3G		PVC	_	
	M-3G2	M3	Stainless steel 304, NBR	1	
Gasket	M-5G1		PVC	_	
	M-5G2		Stainless steel 304, NBR	Ī	
	M-5G3	M5	Stainless steel 316, Special FKM	-	
	M-5GH		Nylon 66, GF30%	M-5AL□-6, M-5ALH□-6	
	W-5GH		Nylon 66, GF30 /6	M-5HL-4, 6, M-5HLH4, 6	
	M-6G	M6	Stainless steel 304, NBR	For KQ2 M6 thread	
	M-10/32G	10-32 UNF	Starriess steel 304, INBH	KQ2 Series, 10-32 UNF	
	M-5-4-P01		C3604	M-01H-4, M-5H-4	
Con must	WI-5-4-PU I	_	(With electroless nickel plated)	M-5HL-4, M-5HLH-4	
Cap nut	M-5-6-P01		C3604	M-01H-6, M-5H-6	
	IVI-3-0-PUT	_	(With electroless nickel plated)	M-5HL-6, M-5HLH-6	