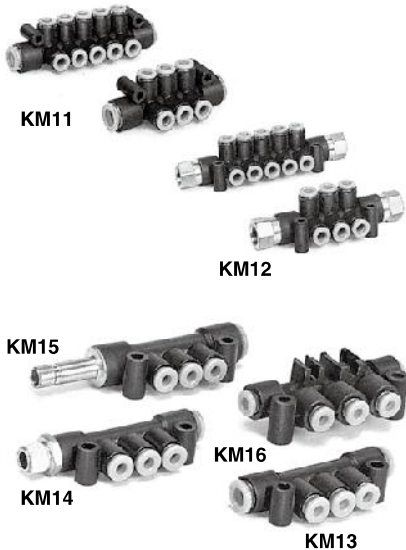


One-touch Fittings Manifold

KM Series

RoHS

Compact piping possible.
Manifold piping possible.
Many varieties (40 types)
are available.
One-touch fittings give the
most efficient operation.



Model

Model	Porting		No. of Port A	Port B size	Port A size		
	Port A	Port B			ø4	ø6	ø8
KM11	One-touch fitting	One-touch fitting	6, 10	ø8	●		
				ø10		●	
				ø12			●
KM12	One-touch fitting	Rc female thread	6, 10	Rc 1/4	●	●	
				Rc 3/8			●
KM13	One-touch fitting	One-touch fitting	3	ø6	●		
				ø8	●	●	
				ø10		●	●
KM14	One-touch fitting	One-touch fitting R male thread	3	ø6, R 1/8	●		
				ø6, R 1/4	●		
				ø6, R 3/8	●		
				ø8, R 1/8	●	●	
				ø8, R 1/4	●	●	
				ø8, R 3/8	●	●	
				ø10, R 1/4		●	●
				ø10, R 3/8		●	●
KM15	One-touch fitting	One-touch fitting Rod	3	ø6	●		
				ø8	●	●	
				ø10		●	●
KM16	One-touch fitting	One-touch fitting	3	ø4	●		
				ø6	●	●	

Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon ⁽¹⁾ , Polyurethane
Tubing O.D.	ø4, ø6, ø8, ø10, ø12

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



Made to Order
(Refer to page 171 for details.)

Specifications

Model	KM11	KM12	KM13	KM14	KM15	KM16
Fluid	Air/Water ⁽²⁾					
Operating pressure range	-100 kPa to 1 MPa					
Proof pressure	3 MPa					
Ambient and fluid temperature	-5 to 60°C, Water: 0 to 40°C (No freezing)					
Thread	—	JIS B 0203 (Taper thread for piping)	—	JIS B 0203 (Taper thread for piping)	—	—
Accessory	None	Hexagon socket head blank plug with seal 1 pc.	None	None	None	None

Note 2) The surge pressure must be under the maximum operating pressure.

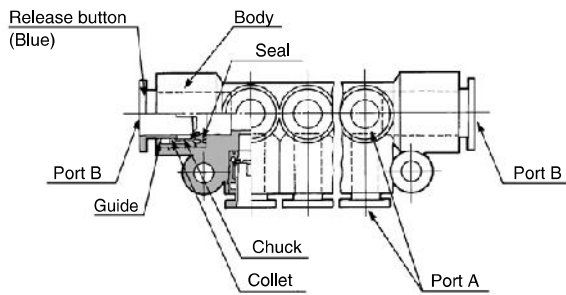
Principal Parts Material

Model	KM11	KM12	KM13	KM14	KM15	KM16
Body	PBT					
Stud	—	C3604	—	C3604	C3604-PBT	—
Chuck	Stainless steel 304					
Guide	Stainless steel 304					
Collet, Release button	POM					
Seal, O-ring	NBR					

KQ2
KQ82
KS
KX
KM
KF
M
H/DL
L/L
KC
KK
KK130
DM
KDM
KB
KR
KA
KQG2
KG
KFG2
MS
KKA
KP
LQ
MQR
T
IDK

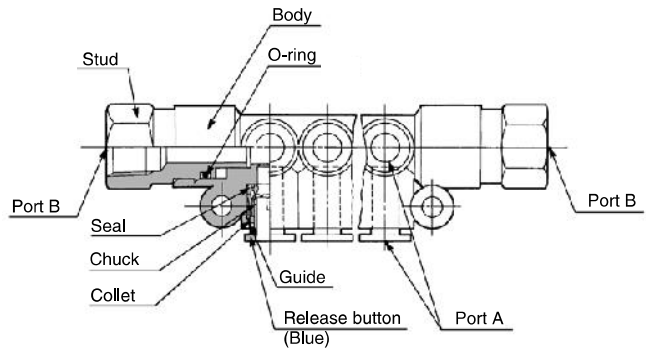
Construction

KM11



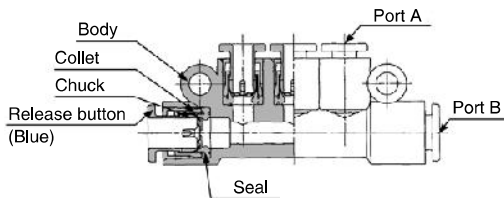
Port A: One-touch fitting
Port B: One-touch fitting

KM12



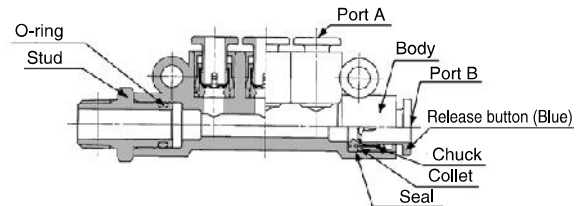
Port A: One-touch fitting
Port B: Rc female thread

KM13



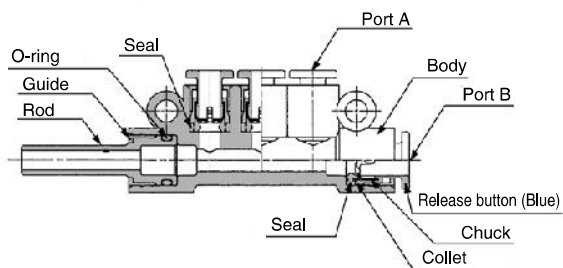
Port A: One-touch fitting
Port B: One-touch fitting

KM14



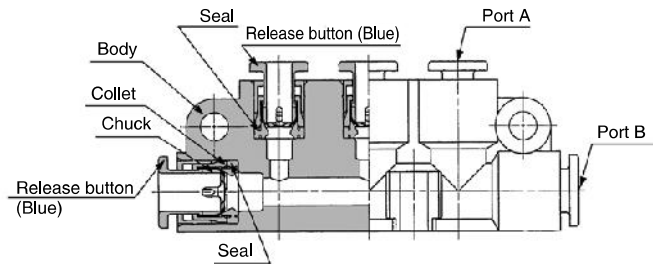
Port A: One-touch fitting
Port B: One-touch fitting, R male thread

KM15



Port A: One-touch fitting
Port B: One-touch fitting
Stud

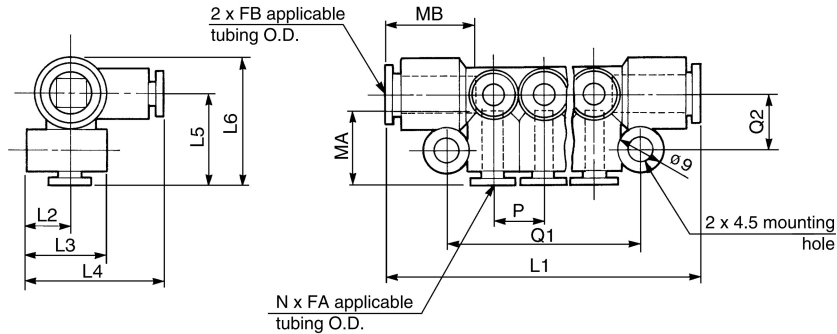
KM16



Port A: One-touch fitting
Port B: One-touch fitting

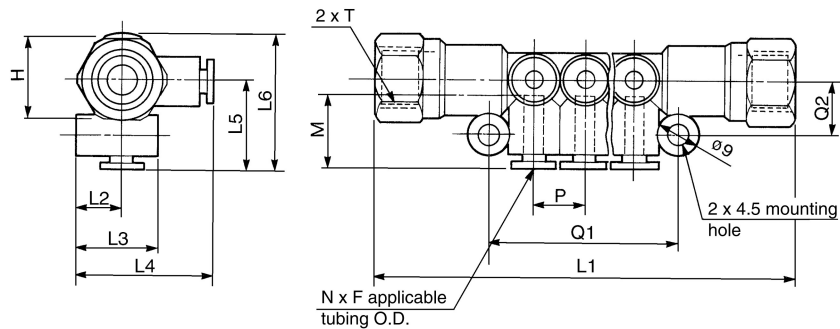
Dimensions

KM11



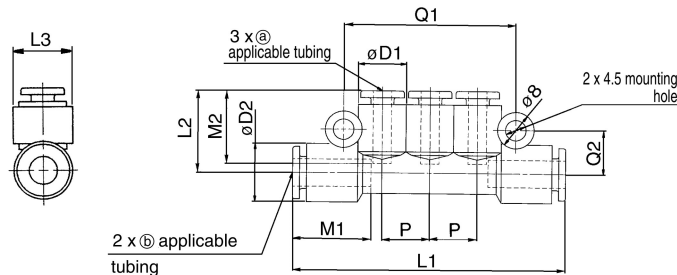
Applicable tubing O.D. (mm)		Model	N	L1	L2	L3	L4	L5	L6	P	Q1	Q2	MA	MB	Port B Min. port size	Weight (g)
FA	FB															
4	8	KM11-04-08-6	6	65	10	18	29.5	19.5	27	10.6	40	12	16	18.5	6	19
		KM11-04-08-10	10	86	10	18	29.5	19.5	27	10.6	61.5	12	16	18.5	6	26
6	10	KM11-06-10-6	6	76	10	19.5	31.5	21.5	31	13	47	13.5	17	21	7.5	29
		KM11-06-10-10	10	102	10	19.5	31.5	21.5	31	13	73	13.5	17	21	7.5	39
8	12	KM11-08-12-6	6	85	11.5	22.5	35.5	24	34.5	15.5	55	14.7	18.5	22	9	41
		KM11-08-12-10	10	116	11.5	22.5	35.5	24	34.5	15.5	86	14.7	18.5	22	9	57

KM12



Applicable tubing O.D. F (mm)		Model	N	H (Width across flats)	L1	L2	L3	L4	L5	L6	P	Q1	Q2	M	Port B Min. port size	Weight (g)
Connection thread Rc	T															
4	1/4	KM12-04-02-6	6	17	89	10	18	29.5	19.5	29	10.6	40	12	16	6	65
		KM12-04-02-10	10	17	110	10	18	29.5	19.5	29	10.6	61.5	12	16	6	72
6	1/4	KM12-06-02-6	6	17	99	10	19.5	31.5	21.5	31	13	47	13.5	17	7.5	81
		KM12-06-02-10	10	17	125	10	19.5	31.5	21.5	31	13	73	13.5	17	7.5	91
8	3/8	KM12-08-03-6	6	19	108	11.5	22.5	35.5	24	34.5	15.5	55	14.7	18.5	9	97
		KM12-08-03-10	10	19	139	11.5	22.5	35.5	24	34.5	15.5	86	14.7	18.5	9	112

KM13



Applicable tubing O.D. (mm)		Model	øD1	øD2	L1	L2	L3	P	Q1	Q2	M1	M2	Port B Min. port size	Weight (g)
(a)	(b)													
4	6	KM13-04-06-3	10.4	12.8	60	18	13	10.4	38.2	9.9	17	16	4.5	11
	8	KM13-04-08-3	10.4	15.2	63.5	19	15.5	10.4	38.2	11.1	18.5	17	6	14
6	8	KM13-06-08-3	12.8	15.2	70.5	20	15.5	12.8	45.4	11.1	18.5	17	6	16
	10	KM13-06-10-3	12.8	18.5	74.5	21	19	12.8	45.4	12.8	21	17	7.5	22
8	10	KM13-08-10-3	15.2	18.5	81.5	22.5	19	15.2	52.6	12.8	21	18.5	7.5	26

[Click here for applicable color caps.](#)