

# Quick Couplings

CAD Data Folder Name: Joints

The non-valve, valve, and high-pressure valve types cannot be combined for use.

<b>No Valve Type Female Threaded Plugs</b>  RoHS	<b>QNPFC (Brass)</b> <b>QNPFS (SUS304)</b>  Rc (PT) L1 L2 D	<b>No Valve Type Male Threaded Plugs</b>  RoHS	<b>QNPMC (Brass)</b> <b>QNPMS (SUS304)</b>  R (PT) L1 L2 D	<b>No Valve Type Hose Connection Plugs</b>  RoHS	<b>QNPHC (Brass)</b> <b>QNPHS (SUS304)</b>  D B L1 L2
<b>No Valve Type Female Threaded Sockets</b>  RoHS	<b>QNSFC (Brass)</b> <b>QNSFS (SUS304)</b>  L1 Rc (PT) D A L	<b>No Valve Type Male Threaded Sockets</b>  RoHS	<b>QNSMC (Brass)</b> <b>QNSMS (SUS304)</b>  R (PT) D A L	<b>No Valve Type Hose Connection Sockets</b>  RoHS	<b>QNSHC (Brass)</b> <b>QNSHS (SUS304)</b>  D B L1 L2

<b>Valve Type Plugs</b>  RoHS	<b>QBPFC (Brass)</b> <b>QBPFS (SUS304)</b> <b>QBPFS (SUS316)</b>  Rc (PT) L1 B (Width Across Flats)	<b>Valve Type Sockets</b>  RoHS	<b>QBSFC (Brass)</b> <b>QBSFS (SUS304)</b> <b>QBSFS (SUS316)</b>  Rc (PT) L1 B (Width Across Flats)
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<b>High Pressure Valve Type Plugs</b>  RoHS	<b>QBPH</b>  Rc (PT) H A L	<b>High Pressure Valve Type Sockets</b>  RoHS	<b>QBSH</b>  Rc (PT) H A L
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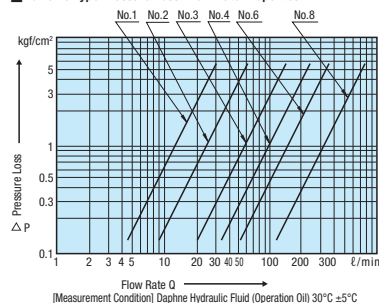
Part Number	Type	No.	Rc (PT)	D	d	L	L1	L2	Unit Price	Qty. 1-9
<b>QNPFC/QNPFS</b>										
1	1/8	14	4.5	28.5	11	15.5	340	750		
2	1/4	17	6.5	35	14	18	340	780		
3	3/8	21	10	40	15	21.5	580	990		
4	1/2	29	13	45	17	24	1,080	1,630		
6	3/4	35	17	51	19	28	1,690	2,850		
8	1	41	25	60	21	36.5	2,560	3,720		

Part Number	Type	No.	Rc (PT)	D	d	L	L1	A	Unit Price	Qty. 1-9
<b>QNSFC/QNSFS</b>										
1	1/8	18	4.5	27	9.5	14	940	2,000		
2	1/4	24	8	32	13	19	960	2,250		
3	3/8	28	12	35	13	23	1,370	2,860		
4	1/2	35	16	42	17	29	2,290	4,210		
6	3/4	45	20	49	19	38	4,030	7,020		
8	1	57	26	58.3	21	50	5,230	8,190		

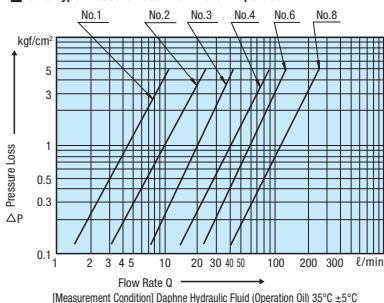
Part Number	Type	No.	Rc (PT)	L	L1	B	Unit Price	Qty. 1-9
<b>QBPFC/QBPFS/QBPFS</b>								
1	1/8	29	19	14	580	1,400	2,380	
2	1/4	35.5	22	17	600	1,510	2,380	
3	3/8	39.9	25.2	21	1,000	1,860	2,930	
4	1/2	44	28	29	2,400	3,680	5,780	
6	3/4	52	36.5	35	3,250	5,540	8,780	
8	1	62	40	41	3,920	7,450	13,040	

Part Number	Type	No.	Rc (PT)	L	D1	D2	Unit Price	Qty. 1-9
<b>QBPH/QBSH</b>								
1	1/8	48	24	18	1,600	3,300	5,570	
2	1/4	58	28	22	1,710	3,550	5,570	
3	3/8	65	35	25	2,970	4,460	7,000	
4	1/2	71.7	45	35	5,610	9,620	15,080	
6	3/4	88	55	41	9,040	12,040	18,880	
8	1	102	64	48	12,340	17,850	26,000	

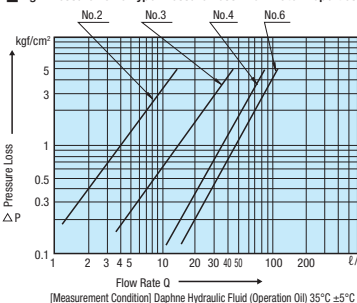
No Valve Type Pressure Loss-Flow Rate Properties



Valve Type Pressure Loss-Flow Rate Properties



High Pressure Valve Type Pressure Loss-Flow Rate Properties



Body Material	Brass	Special Carbon Steel	SUS304
Permissible Fluid	Water · Oil · Air	Oil	Water · Oil · Air
Seal Material	Nitrile Rubber	Fluoro Rubber	
Operating Temp. Range	-20~80°C		-15~180°C
Max. Operating Pressure	4.9MPa 2.9MPa for No.4 · 6 · 8	20.6MPa	7.4MPa 4.4MPa for No.4 · 6 · 8
Withstand pressure	7.5MPa 4.5MPa for No.4 · 6 · 8	30.9MPa	9.4MPa 6.4MPa for No.4 · 6 · 8

Part Number	Type	No.	B	D	d	L	L1	L2	Unit Price	Qty. 1-9
<b>QNPFC/QNPFS</b>										
1	1/8	12	4.5	32	10	15.5	340	750		
2	1/4	14	6.5	38	13	18	340	780		
3	3/8	19	10	43	13	21.5	580	990		
4	1/2	23	13	52	17	24	1,080	1,630		
6	3/4	32	17	59	19	28	1,690	2,850		
8	1	41	25	73	22	36.5	2,560	3,720		

Part Number	Type	No.	B	D	d	L	L1	L2	Unit Price	Qty. 1-9
<b>QNPFC/QNPFS</b>										
6	6.5	11	3	41	20	15.5	340	750		
9	11	18	7	60	30	21.5	580	990		
12	15	22	10	66	35	24	1,080	1,630		
19	21	28	15	79	43	28	1,690	2,850		
25	27	40	19	98	50	36.5	2,560	3,720		

Part Number	Type	No.	B	D	d	L	L1	L2	Unit Price	Qty. 1-9
<b>QNPFC/QNPFS</b>										
6	6.5	18	3	16	40	20	940	2,000		
9	11	28	7	25	60	30	1,370	2,860		
12	15	35	10	32	69	35	2,290	4,210		
19	21	45	15	40	84.1	43	4,030	7,020		
25	27	57	19	52	95.3	50	5,230	8,190		

(Ex.) Good QNPFC2-QNSMC2  
Good QNPFC3-QNSHC3  
Poor QBPFC4-QNSMC4 (Because the sizes are different)  
Poor QBPH72-QBSH74 (Because the sizes are different)

# Air Couplers

-Standard Type-

CAD Data Folder Name: Joints

Not usable in combination with Tube Connection Type (P.1699), Miniature Type (P.1700).

<b>Male Thread Type</b>  RoHS	<b>Female Thread Type</b>  RoHS	<b>One-Touch Coupling Type</b>  RoHS	<b>Nut Tightening Type</b>  RoHS	<b>Tube Connecting Type</b>  RoHS
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Male Thread Type										Female Thread Type																
Part Number	Type	No.	Thread Dia.	L	A	W/Flats	H	Mass (g)	Unit Price	Qty. 1-9	10-29	30-	MCPM	Unit Price	Qty. 1-9	10-29	30-	MCPM	Unit Price	Qty. 1-9	10-29	30-				
<b>MCPM</b>										<b>MCPM</b>																
20	R 1/4	41	13	14	25	27	300	290	280	880	850	820		20	Rc 1/4	36	13	17	28	30	300	290	280	1,060	1,030	1,000
30	R 3/8	42	14	17	43	40	300	290	280	880	850	820		30	Rc 3/8	37	14	21	39	41	300	290	280	1,060	1,030	1,000
40	R 1/2	46	16	22	59	62	500	490	480	1,420	1,380	1,340		40	Rc 1/2	38	15	29	70	69	500	490	480	1,420	1,380	1,340

When MCPM or MCPM is used in combination with tube, select the same No. as that of the tube outer diameter.

Male Thread Type				Female Thread Type				One-Touch Type		Nut Tightening Type		Tube Connecting Type	
MCSM	MCHSM	MCSF	MCHSF	MCSM	MCHSM	MCSF	MCHSF	MCSM	MCHSM	MCSF	MCHSF	MCSH	MCHSH
 *MCSMS is for 25.4.				 *MCSFS is for 25.4.				 *MCSM is for 25.4.		 *MCSH is for 25.4.		 *MCSH is for 25.4.	

Male Thread Type										Female Thread Type																	
Part Number	Type	No.	Thread Dia.	L	A	W/Flats	H	Mass (g)	Unit Price	Qty. 1-9	10-29	30-	MCSM	Unit Price	Qty. 1-9	10-29	30-	MCSM	Unit Price	Qty. 1-9	10-29	30-					
<b>MCSM</b>										<b>MCSM</b>																	
20	R 1/4	55.5	13	19	7	101	96	1,030	1,000	970	2,940	2,850	2,760		20	Rc 1/4	49.5	13	19	95	98	1,030	1,000	970	2,940	2,850	2,760
30	R 3/8	58.5	14	19	8	108	105	1,030	1,000	970	2,940	2,850	2,760		30	Rc 3/8	50.5	14	21	103	99	1,030	1,000	970	2,940	2,850	2,760
40	R 1/2	59.5	16	23	9	131	120	1,180	1,140	1,110	3,380	3,470	3,370		40	Rc 1/2	52.5	15	29	139	138	1,180	1,140	1,110	3,380	3,470	3,370

One-touch · Nut Tightening Type										Tube Connecting Type																				
Part Number	Type	No.	L	C	T	H1	Mass (g)	Unit Price	Qty. 1-9	10-29	30-	MCSM	Unit Price	Qty. 1-9	10-29	30-	MCSM	Unit Price	Qty. 1-9	10-29	30-									
<b>MCSM</b>										<b>MCSM</b>																				
8	R 1/4	60	13	19	7.5	—	89	—	—	—	—	960	670	600		20	Rc 1/4	57.5	14.5	19	—	—	—	94	—	—	—	960	670	600
30	R 3/8	60.5	13.5	19	10	—	91	—	—	—	—	960	670	600		30	Rc 3/8	55.5	13	22	—	—	—	103	—	—	—	960	670	600
40	R 1/2	56	16	24	13	—	102	—	—	—	—	1,110	780	700		40	Rc 1/2	57.5	16	29	—	—	—	138	—	—	—	1,110	780	700

When MCSM or MCSM is used in combination with tube, select the same No. as that of the tube outer diameter.

Specification		
Type	Plugs · Sockets	Sockets-High Flow Rate Type
Permissible Fluid	Air/Water (SUS Type)	Air
Operating Temperature Range	-5°C~80°C	-5°C~60°C
Max. Operating Pressure	1.5MPa	1.5MPa
Withstand pressure	2.0MPa	2.0MPa
Seal Material	Nitrile Rubber	
Structure of Valve	Single Passage Opening Closing Type (Only socket has valve structure)	

Order Example: **MCPM8**, **MCSM10**

Days to Ship: **1** Day

Next day shipping P.91

Same day shipping is available by request for orders received before 5pm.