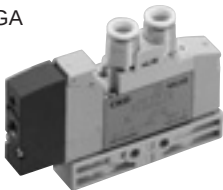
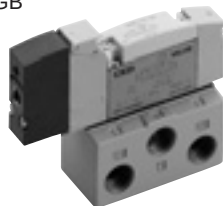
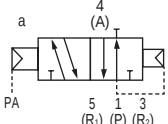
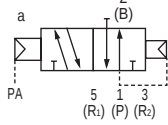
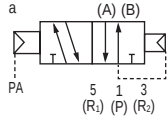
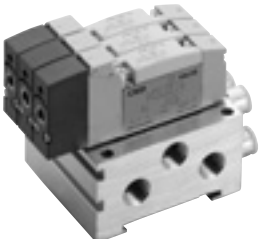
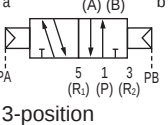
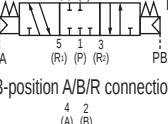
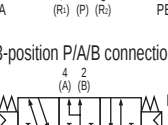


Series variation

Master valve 4GA/4GB Series

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

Series external appearance				Model No.	Position No. of pilot ports JIS symbol	Valve performance		Switching position					
						Flow characteristics C (dm ³ /(s·bar))	Cylinder bore size(ø)	3-port		Single	Double	All ports closed	ABR connection
Normally closed	Normally open												
Single unit	4GA  4GB 	Body piping	3-port	3GA1	● 3-port valve 2-position single NC 	0.70	20 to 40	●	●				
				3GA2		2.7	40 to 80	●	●				
				3GA3		3.9	63 to 100	●	●				
		5-port	4GA1	2-position single NO 	0.66 to 0.70	20 to 40			●	●	●	●	
			4GA2		2.4 to 2.7	40 to 80			●	●	●	●	
			4GA3		3.2 to 4.0	63 to 100			●	●	●	●	
	Base piping	5-port	4GB1	● 5-port valve 2 position single 	1.1 to 1.3	20 to 40			●	●	●	●	
			4GB2		2.2 to 2.5	40 to 80			●	●	●	●	
			4GB3		3.2 to 4.2	63 to 100			●	●	●	●	
Manifold (metal base)	M4GA  M4GB 	Body piping	Direct mount	M4GA1	2-position double 	0.7 to 1.0	20 to 40						
				M4GA2		1.7 to 2.5	40 to 80	●	●	●	●	●	●
				M4GA3		2.5 to 3.3	63 to 100						
		DIN rail mount (-D)	M4GA1	3-position All ports closed 	0.7 to 1.0	20 to 40							
			M4GA2		1.7 to 2.5	40 to 80	●	●	●	●	●	●	
			M4GA3		2.5 to 3.3	63 to 100							
	Base piping	Direct mount	M4GB1	3-position A/B/R connection 	0.68 to 1.0	20 to 40							
			M4GB2		1.7 to 2.4	40 to 80			●	●	●	●	
			M4GB3		2.6 to 3.3	63 to 100							
		DIN rail mount (-D)	M4GB1	3-position P/A/B connection 	0.68 to 1.0	20 to 40							
			M4GB2		1.7 to 2.4	40 to 80			●	●	●	●	
			M4GB3		2.6 to 3.3	63 to 100							

4GA/4GB Series

Master valve series variation

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.
 *2: P/R piping port is NPT thread.
 *3: P/R piping port is G thread.
 *4: "○" indicates made to order.

	Switching position		Port A/B connection port												A/B piping port (*2, *4)										A/B piping port (*3)										Page
	PAB connection	Mix	Push-in fitting				Push-in L fitting (facing upward)				Female thread				Push-in fitting					Female thread					Push-in fitting				Female thread						
			ø4	ø6	ø8	ø10	ø4	ø6	ø8	ø10	M5	Rc 1/8	Rc 1/4	Rc 3/8	ø1/ 8 Inching	ø5/ 32 Inching	ø1/ 4 Inching	ø5/ 16 Inching	ø3/ 8 Inching	M5	NPT1/8	NPT1/4	NPT3/8	ø4	ø6	ø8	ø10	M5	G 1/8	G 1/4	G 3/8				
			C4	C6	C8	C10	CL4	CL6	CL8	CL10	M5	O6	O8	10	C3N	C4N	C6N	C8N	C10N	M5N	O6 N	O8 N	10 N	C4G	C6G	C8G	C10G	M5G	O6G	O8G	10G				
			●	●						●				●	●																				
			●	●	●						●					●	●			●				●	●	●			●						
				●	●	●						●					○	○			○				●	●				●					
	●		●	●						●				●	●																				
	●		●	●	●						●					●	●			●				●	●	●			●						
	●			●	●	●						●					○	○			○				●	●				●					
	●										●								●									●							
	●											●								●					●					●					
	●											●									○	○								●	●				
	●	●	●	●							●				●	●			●					●	●			●							
	●	●		●	●	●						●				●	●				●				●	●	●			●					
	●	●		●	●	●						●					●	●				●				●	●								
	●	●	●	●	●							●				●	●				●				●	●			●						
	●	●	●	●	●							●					●	●			●				●	●									
	●	●	●	●	●							●				●	●				●				●	●			●						

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending