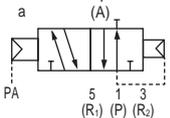
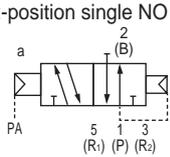
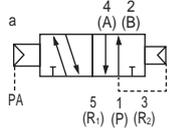
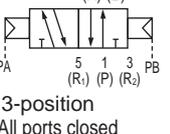
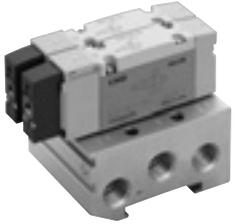
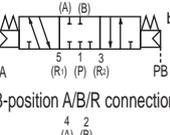
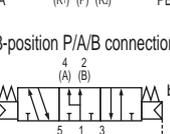


FP1	Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	F.R.L./Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/bacteria-removing filter	Vacuum components	Fluid control valves	FP2	Series / Appearance			Model No.	Position Number of pilot ports JIS symbol	Valve performance	
														Flow rate Properties C (dm ³ /(sbar))	Applicable Cylinder diameter (ø)					
Single unit	4GA 	Body piping	3-port	3GA1	<ul style="list-style-type: none"> ● 3-port valve 2-position single NC 	0.70	20 to 40													
				3GA2		2.7	40 to 80													
				3GA3		3.9	63 to 100													
			4GB 	Base piping	5-port	4GA1	<ul style="list-style-type: none"> ● 5-port valve 2 position single 	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											
	Manifold (metal base)	M4GA 	Body piping	Direct mount	M4GA1	<ul style="list-style-type: none"> ● 5-port valve 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												
			Base piping	DIN rail Mount type (-D)	M4GA1	<ul style="list-style-type: none"> ● 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												
Manifold (metal base)	M4GB 	Body piping	Direct mount	M4GB1	<ul style="list-style-type: none"> ● 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													
		Base piping	DIN rail Mount type (-D)	M4GB1	<ul style="list-style-type: none"> ● 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-FP1 Series

Master valve series variation

*1: Effective cross-sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

	Switching position							Port A/B connection port								Page	
	3-port		Single	Double	All ports closed	ABR connection	PAB connection	Mix	Push-in fitting				Female thread				
	Normally closed	Normally open							ø4	ø6	ø8	ø10	M 5	Rc 1/8	Rc 1/4		Rc 3/8
			C4	C6	C8	C10	M5	06	08	10							
	●	●						●	●			●				181	
	●	●							●	●			●				
	●	●							●	●				●			
			●	●	●	●	●		●	●			●				
			●	●	●	●	●		●	●				●			
			●	●	●	●	●						●				
			●	●	●	●							●			183	
			●	●	●	●							●				
			●	●	●	●							●	●			
			●	●	●	●								●			
			●	●	●	●								●			
			●	●	●	●								●			
	●	●	●	●	●	●	●	●	●	●			●			181	
	●	●	●	●	●	●	●	●	●	●			●				
	●	●	●	●	●	●	●	●	●	●			●				
			●	●	●	●	●	●	●	●			●			183	
			●	●	●	●	●	●	●	●			●				
			●	●	●	●	●	●	●	●			●				

Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	FRU/Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/bacteria-removing filter	Vacuum components	Fluid control valves
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