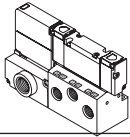
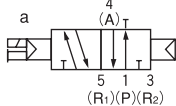
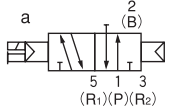
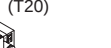
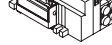
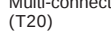
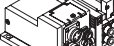
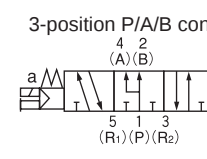
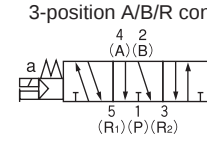
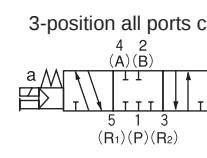
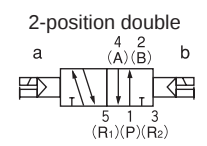
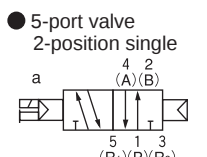
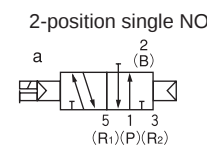
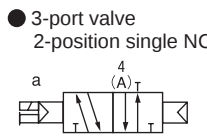


Series variation

W4G2 Series

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA/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

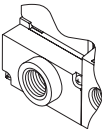
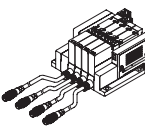
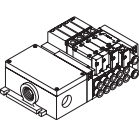
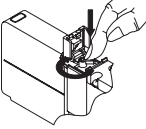
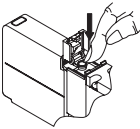
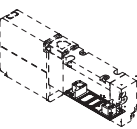
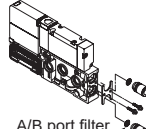
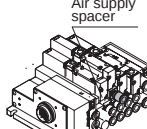
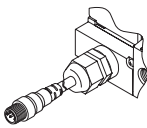
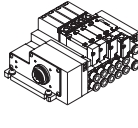
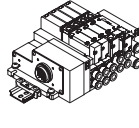
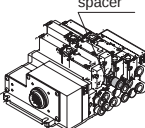
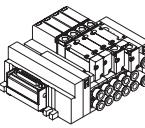
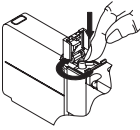
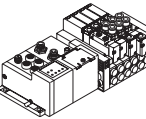
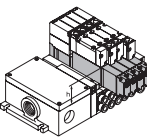
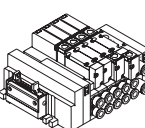
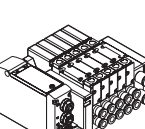
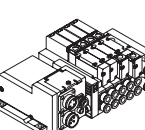
Series variation/appearance			Model No.		Position No. of solenoids JIS symbol	Valve performance		Voltage			Degree of protection		
						Flow characteristics C [dm ³ /(s·bar)] *1	Cylinder bore size	100VAC	24VDC	12VDC			
Single unit	Base piping	W4GB2*0 	W3GB2 W4GB2		● 3-port valve 2-position single NC  a 4 (A) T 5 1 3 (R1)(P)(R2) 2-position single NO  a 2 (B) T 5 1 3 (R1)(P)(R2)	2.1 to 2.5	ø20 to ø80	●	●	●	IP 65		
	Body piping	MW ¹ / ₂ GA2*0 	MW3GA2 MW4GA2 (NW3GA2) (NW4GA2)	Individual wiring (-R1)		1.7 to 2.3	ø20 to ø80	●	●	●	IP 65 Equivalent	IP 65 Equivalent	
	Base side piping	I/O connector (R1) MW4GZ2*0 	MW3GB2 MW4GB2 (NW4GB2)										
Base bottom piping	I/O connector (R1) 	MW3GZ2 MW4GZ2 (NW4GZ2)											
Reduced wiring manifold	Body piping	MW ¹ / ₂ GA2*0 	MW3GA2 MW4GA2 (NW3GA2) (NW4GA2)	Common terminal block (-T10)	1.7 to 2.3	ø20 to ø80	●	●	●	IP 65	IP 65		
		Common terminal block (T10) 		Multi-connector (-T20)									
		Multi-connector (T20) 		D sub-connector (-T30)									
		D sub-connector (T30) 		Flat cable Connector (-T5*)									
		Serial transmission (T7, T8*) 		Serial transmission (-T7, T8*)									
	Base side piping	MW4GB2*0 	MW3GB2 MW4GB2 (NW4GB2)	Common terminal block (-T10)	1.7 to 2.3	ø20 to ø80	●	●	●	IP 65	IP 65		
		Common terminal block (T10) 		Multi-connector (-T20)									
		Multi-connector (T20) 		D sub-connector (-T30)									
		D sub-connector (T30) 		Flat cable Connector (-T5*)									
		Serial transmission (T7, T8*) 		Serial transmission (-T7, T8*)									
	Base bottom piping	MW4GZ2*0 	MW3GZ2 MW4GZ2 (NW4GZ2)	Common terminal block (-T10)	1.7 to 2.3	ø20 to ø80	●	●	●	IP 65	IP 65		
		Common terminal block (T10) 		Multi-connector (-T20)									
		Multi-connector (T20) 		D sub-connector (-T30)									
		D sub-connector (T30) 		Flat cable Connector (-T5*)									
		Serial transmission (T7, T8*) 		Serial transmission (-T7, T8*)									



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

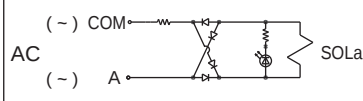
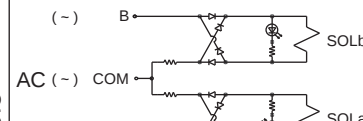
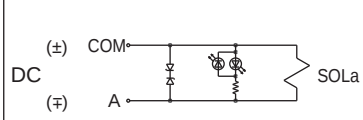
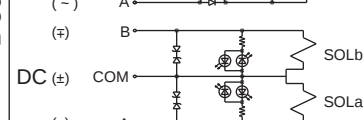
	Switching position								A/B piping connection port						Electrical connections								Page
	2-position				3-position			Mix	Push-in fitting			Push-in fitting L type (upward)		Female thread		Terminal block	IO connector	Common terminal block	Multi-connector	D sub-connector	Flat cable connector	Serial transmission	
	Normally closed	Normally open	Single	Double	All ports closed	ABR connection	PAB connection		ø4	ø6	ø8	ø6	ø8	Rc 1/8	Rc 1/4								
									C4	C6	C8	CL6	CL8	06	08								
			●	●	●	●	●								●		●	●					972
	●	●	●	●	●	●	●	●	●	●	●			●			●						976
			●	●	●	●	●	●	●	●	●	●	●				●						980
			●	●	●	●	●	●	●	●	●						●						980
	●	●	●	●	●	●	●	●	●	●	●			●				●					988
	●	●	●	●	●	●	●	●	●	●	●			●					●				
	●	●	●	●	●	●	●	●	●	●	●			●						●			
	●	●	●	●	●	●	●	●	●	●	●			●							●		
	●	●	●	●	●	●	●	●	●	●	●			●								●	
	●	●	●	●	●	●	●	●	●	●	●			●								●	
			●	●	●	●	●	●	●	●	●	●	●					●					1010
			●	●	●	●	●	●	●	●	●	●	●						●				
			●	●	●	●	●	●	●	●	●	●	●							●			
			●	●	●	●	●	●	●	●	●	●	●								●		
			●	●	●	●	●	●	●	●	●	●	●									●	
			●	●	●	●	●	●	●	●	●	●	●									●	
			●	●	●	●	●	●	●	●	●						●						1010
			●	●	●	●	●	●	●	●	●								●				
			●	●	●	●	●	●	●	●	●									●			
			●	●	●	●	●	●	●	●	●										●		
			●	●	●	●	●	●	●	●	●											●	
			●	●	●	●	●	●	●	●	●											●	

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

4GA/B	Electrical connections			Manual override		Other options		
M4GA/B	Single unit	Individual wiring manifold	Reduced wiring manifold					
MN4GA/B	Blank	R1	T10	Blank	M	H	F	Z1
4GA/B (master)	Terminal block	I/O connector (M12)	Common terminal block	Non-locking locking common (Standard equipment)	Non-locking manual override	With check valve	A/B port filter integrated	Air supply spacer
4GB With sensor								
4GD/E					(1) Push to turn ON and release to turn OFF.	Standard for pilot exhaust	A/B port filter	
M4GD/E								
MN4GD/E								
4GA4/B4	R1		T20			K	D	Z3
MN3E	I/O connector		Multi-connector			External pilot	DIN rail mount	Exhaust spacer
MN4E				(1) For non-locking, push to turn ON, release to turn OFF		Main pressure and pilot pressure individual circuit specifications.		
W4GA/B2	Lead wire length 500 mm			(2) For locking, push and turn 90° clockwise to hold the ON state. Turn counterclockwise to unlock OFF	M7	A	Y**	Z6
W4GB4			T30		Manual override with OFF function	Ozone/coolant proof product	I/O block	Spacer pilot check valve
MN3S0			D sub-connector					
MN4S0						Select for coolant inflow and ozone measures.		
4SA/B0					(1) Normal manual operation (Non-locking) Push to turn ON and release to turn OFF			
4KA/B			T5		(2) OFF function operation (when energized, locking) Push and turn 90° clockwise to keep pilot air supply stopped and turn counterclockwise to unlock to supply pilot air			
4KA/B (master)			Flat cable connector					
4F								
4F (master)								
PV5G			T7					
GMF			Serial transmission					
PV5								
GMF								
PV5S-0								
3Q			T8					
MV3QR			Serial transmission					
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								

Electric connection circuit diagrams (inside the solenoid valve) *1 Refer to page 194 for details.

With lamp/surge suppressor (standard)

Single	AC		Double	AC	
	DC			DC	

The surge suppressor uses a Zener diode.