

G03 Modular Valve Series

Type	Name	Valve Model Number	Pressure Adjustment Range (Check Valve Cracking Pressure) MPa{kgf/cm ² }	Maximum Flow Rate ℓ /min	JIS Symbol	Height mm	Weight kg	Catalog Page
Solenoid Valves	Solenoid Valves	For M6 For M8 SS-G03-**-R**-J22-22 SA-G03-**-** -J21-21		160				E-1 E-13
Pressure Control Valve	Relief Valves (Balance Type)	OR-G03-P ₃ ¹ -J50	1:* to 7 (* to 71.4) 3:3.5 to 25 {35.7 to 255} (Auxiliary Symbol) V: With vent port *See page D-17 for these items.	80		55	3.1	D-13
		-W ₃ ¹ -J50					3.9	
		-A ₃ ¹ -J50					3.1	
		-B ₃ ¹ -J50					3.1	
		OR-G03-P ₃ ¹ -V-J50					3.1	
	Brake Valves (Direct Type)	ORO-G03-W ₃ ¹ -J50	1:0.8 to 7 {8.2 to 71.4} 3:3.5 to 25 {35.7 to 255}	30		55	4.8	D-19
		-A ₃ ¹ -J50					4.0	
		-B ₃ ¹ -J50						
	Direct Relief Valves (Direct Type)	ORD-G03-W ₃ ¹ -J50	1:0.8 to 7 {8.2 to 71.4} 3:3.5 to 25 {35.7 to 255}	30		55	3.9	D-23
		-A ₃ ¹ -J50					3.1	
		-B ₃ ¹ -J50						
	Reducing valve	OG-G03-P1-(B)-J51 ₃ ^C	C:0.25 to 3.5 {2.5 to 35.7} 1:0.8 to 7 {8.2 to 71.4} 3:3.5 to 21 {35.7 to 214}	80 However, C:50		55		D-28
		-A1-(B)-J51 ₃ ^C						D-37
		-B1-(B)-J51 ₃ ^C						D-28
		OG-G03-P1-(B)V-J51 ₃ ^C						
Pressure Control Valves (Sequence Valves)	OQ-G03-P2C-J50 _E ^A	A:0.25 to 0.85 {2.5 to 8.7}	80		55		D-47	
	OCQ-G03-A1C-J50 _E ^A (Counter Balance Valves)	C:0.85 to 3.5 {8.7 to 35.7}				55	3.5	D-50
		E:3.5 to 14 {35.7 to 143}						
Flow Control Valve	Flow Regulator Valve	OCY-G03 ^P _{P-H} -J50	(Function) H: High differential pressure regulator (0.1{1})		55	2.9	D-58	
	Meter-Out Flow Regulator Valves	-W-Y _{J51} -W-HY _{J51}				3.1		
		-A-Y _{J51} -A-HY _{J51}						
		-B-Y _{J51} -B-HY _{J51}				3.0		

*There is no problem with seals and other parts when mixing these valves with NACHI G03 modular valve design number (J) 30 valves.

*G03 module valve installation bolts
For M6: Design number J50
For M8: Design number 50
Unit has commonality. Also, two J-pins have been inserted diagonally for M6 applications.

Note) G03 series modular valves have two T port locations: one on the A port side T_(A) and one on the B port side T_(B). The port that is used depends on the model number. See page D-11 for details about JIS symbols.

G03 Modular Valve Series

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Modular Valves

Type	Name	Valve Model Number	Pressure Adjustment Range (Check Valve Cracking Pressure) MPa(kgf/cm ²)	Maximum Flow Rate ℓ /min	JIS Symbol				Height mm	Weight kg	Catalog Page		
					P	T	B	A					
Flow Control Valve	Meter-in Flow Regulator Valve	OCY-G03-W-X -W-HX-J51	(Function) H: High differential pressure regulator (0.1{1})	100					55	3.1	D-58		
		-A-X -A-HX-J51											3.0
		-B-X -B-HX-J51											
	Flow Control Valve	OF-G03-P60-J50	(Control Flow Rate) Differential Pressure 7(71.4):0.3 to 60 Differential Pressure 25(255):0.5 to 60	60		55	3.1	D-66					
	Meter-out Flow Control Valves	OCF-G03-W60-Y-J50	(Volume control flow rate) Differential Pressure 7(71.4):0.5 to 60 Differential Pressure 25(255):1 to 60	60			5.0						
		-A60-Y-J50					4.6						
	-B60-Y-J50	5.0											
	Meter-in Flow Control Valves	OCF-G03-W60-X-J50	(0.1{1})	60		4.6							
		-A60-X-J50				5.0							
		-B60-X-J50				4.6							
Direction Control Valve	Check Valves	1 OC-G03-P2-J50 3	Cracking pressure 1:0.04(0.4) 2:0.35(3.6) 3:0.50(5.1) *For differential circuit 	100				55	2.7	D-72			
		1 T2-J50 3											
		1 -A2-J50 * 3											
		1 -AP2-J50 * 3											
	Vacuum Check Valves	OCV-G03-W-J50	(0.015(0.15))	100		55	3.5	D-72					
Pilot Check Valves	1 OCP-G03-W ₂ ¹ (-D)-J50	Cracking pressure 1:0.2(2.0) 2:0.5(5.1) (Auxiliary Symbol) Open Valve Ratio Standard : Child Valve 7% : Parent Valve 49% D : Parent Valve 49%	100		55	3.6	D-79						
	-A ₂ ¹ (-D)-J50												
	-B ₂ ¹ (-D)-J50												
Other	Gauge Block	OK-G03-J50		100	Rc1/4		P	55	2.3	D-84			
	2-speed Plates	OB-G03-W(-H)-J30		100			B A	35 (H:58)	4.5 (H:7.1)	D-86			
	End Plates	MOB-G03-J50: For M6 MOB-G03(-H)-50: For M8		-				32 (H:58)	1.4 (H:2.5)				
	Free Flow	MOB-G03-A-J50: For M6 MOB-G03-A(-H)-50: For M8		100		32 (H:58)	1.3 (H:2.3)	D-88					
		MOB-G03-B-J50: For M6 MOB-G03-B(-H)-50: For M8											
	Conversion plate (For 03/01 conversion)	MOB-G03-AA-50 MOB-G03-AA-J50		50	G01 G03		P T B A	45	2.3				
	Base Blocks	MOB-03-B*-J30	*.Sequential number from 2 to 5 A, B port dual side outlet				Rc3/4 Rc1/2			D-96			
	Sub Plate	MSA-03(X)-10 MS-03(X)-30 MSA-03(X)-T-10 MS-03(X)-T-10	MSA : For M6 MS : For M8 None: Back side outlet T : Side outlet				Rc3/8 (Rc1/2)			D-90			

G03 Modular Valve Series Detailed JIS Symbols

Type	Valve Model Number	Detailed JIS Symbols	Type	Valve Model Number	Detailed JIS Symbols	
Solenoid Valves	For M6, M8 SS-G03-**-R**-J22 -22 SA-G03-**-** -J21 -21		Flow Control Valve	OF-G03-P60-J50		
				OCF-G03-W60-Y-J50		
				OCF-G03-A60-Y-J50		
Pressure Control Valve	OR-G03-P ₃ ¹ -J50		Flow Control Valve	OCF-G03-B60-Y-J50		
	OR-G03-W ₃ ¹ -J50			OCF-G03-W60-X-J50		
	OR-G03-A ₃ ¹ -J50			OCF-G03-A60-X-J50		
	OR-G03-B ₃ ¹ -J50			OCF-G03-B60-X-J50		
	OR-G03-P ₃ ¹ -V-J50			Direction Control Valve	OC-G03-P ₃ ¹ -J50	
	ORO-G03-W ₃ ¹ -J50				OC-G03-T ₃ ¹ -J50	
	ORO-G03-A ₃ ¹ -J50		OC-G03-A ₃ ¹ -J50			
	ORO-G03-B ₃ ¹ -J50		OC-G03-AP ₃ ¹ -J50			
	ORD-G03-W ₃ ¹ -J50		OCV-G03-W-J50			
	ORD-G03-A ₃ ¹ -J50		OCP-G03-W ₂ ¹ -J50			
	ORD-G03-B ₃ ¹ -J50		OCP-G03-A ₂ ¹ -J50			
	OG-G03-P ₃ ¹ -B-J51		OCP-G03-B ₂ ¹ -J50			
	OG-G03-A ₃ ¹ -B-J51		OK-G03-J50			
	OG-G03-B ₃ ¹ -B-J51		Other		OB-G03-W-J30	
	OG-G03-P ₃ ¹ -B-V-J51				MOB-G03-(H)-50	
	OG-G03-P ₃ ¹ -B-V-J51				MOB-G03-J50	
	OQ-G03-P ₂ ¹ -C-J50				MOB-G03-A-(H)-50	
	OCQ-G03-A ₁ ¹ -C-J50				MOB-G03-A-J50	
	OCQ-G03-B ₁ ¹ -C-J50			MOB-G03-B-(H)-50		
				MOB-G03-B-J50		
		MOB-G03-AA-50				
		MOB-G03-AA-J50				
		MOB-03X-B*-50				
		MOB-03X-B*-J50				
Flow Control Valve	OCY-G03-P-J50		MS-03(X)-30			
	OCY-G03-W-Y-J51		MSA-03(X)-10			
	OCY-G03-A-Y-J51		MS-03(X)-T-10			
	OCY-G03-B-Y-J51		MSA-03(X)-T-10			
	OCY-G03-W-X-J51					
	OCY-G03-A-X-J51					
	OCY-G03-B-X-J51					