

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 |
| | | 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-16 for these items. | 80 | | 55 | 3.1 |
| -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 | | | | | | | |
| Pressure Control Valve | 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-P ₃ ^C 1-(B)-J51 | 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 | 3.6 | D-28 | |
| | -A ₃ ^C 1-(B)-J51 | | | | | | D-37 | |
| | -B ₃ ^C 1-(B)-J51 | | | | | | D-28 | |
| | OG-G03-P ₃ ^C 1-(B)V-J51 | | | | | | | |
| Pressure Control Valves (Sequence Valves) | OQ-G03-P ₃ ^A 2C-J50 | A: 0.25 to 0.85 {2.5 to 8.7} C: 0.85 to 3.5 {8.7 to 35.7} E: 3.5 to 14 {35.7 to 143} | 80 | | 55 | | D-47 | |
| | OCQ-G03-A ₃ ^A 1C-J50 | | | | | | D-50 | |
| | -B ₃ ^A 1C-J50 | | | | | | | |
| Flow Control Valve | Flow Regulator Valve | OCY-G03-P ₃ ^P -H-J50 | (Function) H: High differential pressure regulator (0.1{1}) | 100 | | 55 | 2.9 | D-58 |
| | Meter-Out Flow Regulator Valves | -W-Y -W-HY -J51 | | | | | 3.1 | |
| | | -A-Y -A-HY -J51 | | | | | | |
| | | -B-Y -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.

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| 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 Valves | 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 | | | | | | | | | |
| | | -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 | | 55 | 5.0 | | | | |
| | | -A60-Y-J50 | | | | | 4.6 | | | | |
| | | -B60-Y-J50 | | | | | 5.0 | | | | |
| | Meter-in Flow Control Valves | OCF-G03-W60-X-J50 | (Volume control flow rate) Differential Pressure 7(71.4):0.5 to 60 Differential Pressure 25(255):1 to 60 | 60 | | 55 | 5.0 | | | | |
| | | -A60-X-J50 | | | | | 4.6 | | | | |
| | | -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 -(D)-J50 3 | 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 -(D)-J50 | | | | | | | | | | | |
| -B ₂ -(D)-J50 | | | | | | | | | | | |
| Other | Gauge Block | OK-G03-J50 | | 100 | | 55 | 2.3 | D-84 | | | |
| | 2-speed Plates | OB-G03-W-(H)-J30 | | 100 | | 35 (H:55) 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) | D-88 | | |
| | | Free Flow | MOB-G03-A-J50: For M6 MOB-G03-A-(H)-50: For M8 | | 100 | | 32 (H:58) | 1.3 (H:2.3) | | | |
| | MOB-G03-B-J50: For M6 MOB-G03-B-(H)-50: For M8 | | | 100 | | 32 (H:58) | 1.3 (H:2.3) | | | | |
| | Conversion plate (For 03/01 conversion) | MOB-G03-AA-50 MOB-G03-AA-J50 | | 50 | | 45 | 2.3 | | | | |
| | Base Blocks | MOB-03-B*-J30 | *:Sequential number from 2 to 5 A, B port dual side outlet | | | | | 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 | | | | | 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 | | |
| | | | | OFC-G03-W60-Y-J50 | | |
| | | | | OFC-G03-A60-Y-J50 | | |
| Pressure Control Valve | OR-G03-P $\frac{1}{3}$ -J50 | | | OFC-G03-B60-Y-J50 | | |
| | OR-G03-W $\frac{1}{3}$ -J50 | | | OFC-G03-W60-X-J50 | | |
| | OR-G03-A $\frac{1}{3}$ -J50 | | | OFC-G03-A60-X-J50 | | |
| | OR-G03-B $\frac{1}{3}$ -J50 | | | OFC-G03-B60-X-J50 | | |
| | OR-G03-P $\frac{1}{3}$ -V-J50 | | | Direction Control Valve | OC-G03-P $\frac{1}{2}$ -J50 | |
| | ORO-G03-W $\frac{1}{3}$ -J50 | | | | OC-G03-T $\frac{1}{2}$ -J50 | |
| | ORO-G03-A $\frac{1}{3}$ -J50 | | | | OC-G03-A $\frac{1}{2}$ -J50 | |
| | ORO-G03-B $\frac{1}{3}$ -J50 | | | | OC-G03-AP $\frac{1}{2}$ -J50 | |
| | ORD-G03-W $\frac{1}{3}$ -J50 | | | | OCV-G03-W-J50 | |
| | ORD-G03-A $\frac{1}{3}$ -J50 | | | | OCP-G03-W $\frac{1}{2}$ -J50 | |
| | ORD-G03-B $\frac{1}{3}$ -J50 | | | | OCP-G03-A $\frac{1}{2}$ -J50 | |
| | OG-G03-P $\frac{1}{3}$ (-B)-J51 | | | | OCP-G03-B $\frac{1}{2}$ -J50 | |
| | OG-G03-A $\frac{1}{3}$ (-B)-J51 | | OK-G03-J50 | | | |
| | OG-G03-B $\frac{1}{3}$ (-B)-J51 | | Other | | OB-G03-W-J30 | |
| | OG-G03-P $\frac{1}{3}$ (-B)V-J51 | | | | MOB-G03-(H)-50 | |
| | OG-G03-P $\frac{1}{3}$ (-B)V-J51 | | | | MOB-G03-J50 | |
| | OQ-G03-P $\frac{1}{2}$ C-J50 | | | MOB-G03-A(H)-50 | | |
| | OQ-G03-P $\frac{1}{2}$ C-J50 | | | MOB-G03-A-J50 | | |
| OCQ-G03-A1C-J50 | | MOB-G03-B(H)-50 | | | | |
| OCQ-G03-A1C-J50 | | MOB-G03-B-J50 | | | | |
| OCQ-G03-B1C-J50 | | MOB-G03-AA-50 | | | | |
| OCQ-G03-B1C-J50 | | MOB-G03-AA-J50 | | | | |
| Flow Control Valve | OCY-G03-P-J50 | | | MOB-03X-B*-50 | | |
| | OCY-G03-W-Y-J51 | | MOB-03X-B*-J50 | | | |
| | OCY-G03-A-Y-J51 | | MS-03(X)-30 | | | |
| | OCY-G03-B-Y-J51 | | MSA-03(X)-10 | | | |
| | OCY-G03-W-X-J51 | | MS-03(X)-T-10 | | | |
| | OCY-G03-A-X-J51 | | MSA-03(X)-T-10 | | | |
| | OCY-G03-B-X-J51 | | | | | |