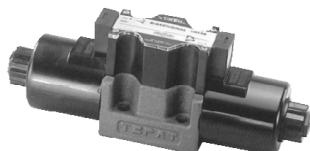


Solenoid Operated Directional Valves Max. Pressure 31.5 MPa



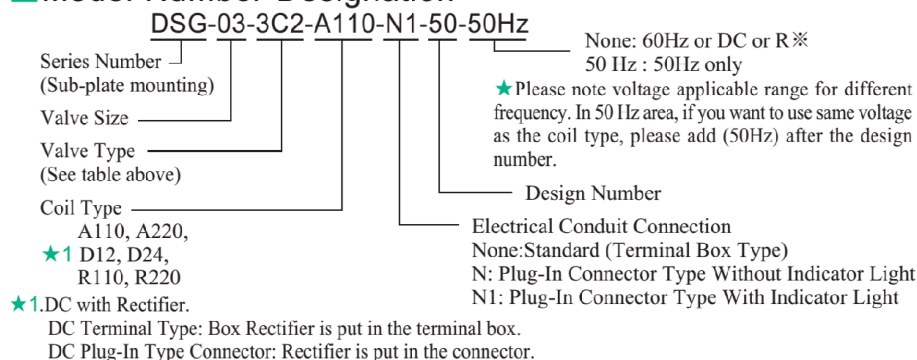
DSG-03 Series

- These valves are adapted with strong wet-type solenoid and circuit designs to accomplish high pressure, large volume flow and lower pressure drop.
- The optimum valve for any system can be utilized since many spool types and various solenoids are all available, along with other optional function.
- The pressure drop caused by the passing of pressurized oil is reduced to approx. 1/2 of the conventional Yuken model.
- Good Light Weight design has accomplished to reduce body weight.

Specifications

Valve Size	Model No	Max. Flow L/min	Max. Pressure MPa (kgf/cm ²)	Max. T-Line Back Pressure MPa (kgf/cm ²)	Max Changeover Frequency Cycle/min	Mass kg	
						Type of Solenoid AC	DC,R
3/8	DSG-03-2B※-※-50	120	31.5 (315) Spool Type 60 only 25 (250)	16 (160)	240 R Type Only 120	2.9	3.6
	DSG-03-2D2-※-50					3.6	5
	DSG-03-3C※-※-50					3.6	5

Model Number Designation



Sub-plate

Valve Model No.	Sub-plate Model No.	Piping Size Rc	Mass kg
DSG-03	DSGM-03-40	Rc	3
	DSGM-03X-40	3/8	
	DSGM-03Y-40	1/2	4.7

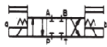


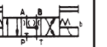


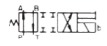





• Sub-plates are available. When ordering, please specify sub-plate model no. from the table above.

• Please refer to page 91 for dimension details.

Mounting Bolts (Attachment)

Socket Head Cap Screw	Tightening Torque
M6 x 35Lg 4pcs	12~15 N•m

Valve Type

Valve Type	3C2	3C3	3C4	3C40	3C60	3C12
Graphic Symbol						
Valve Type	2B2	2B3	2B8	2B2B	2D2	3C9
Graphic Symbol						

- Valve, other than the types above are available, please contact our sales engineers for your requirements.
- 2B2, 2B3, 2B8 & 2D2 type valves have no center position.

Solenoid Rating

Electric Source	Coil Type	Serviceable Voltage Range		Current & Power at Rated Voltage		
		Frequency (Hz)	Voltage (V)	Inrush (A)	Holding (A)	Power (W)
AC	A110/50Hz	50	100-120	3.90	0.78	39
	A110/60Hz	60	100-120	3.86	0.71	39
	A220/50Hz	50	200-240	1.82	0.34	37
	A220/60Hz	60	200-240	1.85	0.34	39
DC	D12	-	10.8-13.2	-	2.75	33
	D24	-	21.6-26.4	-	1.41	34
AC → DC	R110	50/60	100-120	-	0.42	38
	R220	60/60	200-240	-	0.20	38

There are other coil types available, please contact our sales engineers for your requirement.