Electronic Relay Incorporated Solenoid Operated Directional Valves

Drive power source and signal are separate.

The valve is actuated by operating a built-in switch using a very small current signal (about 10 mA) when the solenoid is energised.

• A Direct Drive by a programmable controller is now possible. As the valve can be actuated by a very small current, as we have mentioned, a Direct Drive is possible on the output circuit of the programmable controller or sequence controller.

Simple construction and stable operation.

Since the valve is a direct type, the construction is quite simple. Also the solenoid is the well proven wet armature type, which can withstand contamination.

Therefore a stable operation can be obtained.



Specifications

Valve Type	Model Numbers	Max. Flow ★ L/min (U.S.GPM)	Max. Operating Pressure MPa (PSI)	Max. T-Line Back Pressure MPa (PSI)	Max. Changeover Frequency Cycle/min {min-1}	Mass kg (1bs.)
Standard Type	T-DSG-01-3C*-D24*-70/7090	100	25	21 (3050)	300	1.85 (4.08)
	T-DSG-01-2D2-D24*-70/7090	100 (26.4)	35 (5080)			1.03 (4.00)
	T-DSG-01-2B*-D24*-70/7090	(20)	((0.00.0)		1.4 (3.09)
Shockless Type	T-S-DSG-01-3C*-D24*-70/7090	63	25	21	120	1.85 (4.08)
	T-S-DSG-01-2B2-D24*-70/7090	(16.6)	(3630)	(3050)	120	1.4 (3.09)
Standard Type	T-DSG-03-3C*-D24*-50/5090	120	31.5 (4570)	1.6		5 (11.03)
	T-DSG-03-2D2-D24*-50/5090	120 (31.7)	Spool Type 60 Only	16 (2320)	240	
	T-DSG-03-2B*-D24*-50/5090	(8117)	25 (3630)	(2520)		3.6 (7.94)
Shockless Type	T-S-DSG-03-3C*-D24*-50/5090	120	25	16	120	5 (11.03)
	T-S-DSG-03-2B2-D24*-50/5090	(31.7)	(3630)	(2320)	120	3.6 (7.94)

[★] Maximum flow indicates a ceiling flow. As the ceiling flow depends on the type of spool and operating condition the same as those for standard DSG-01/03, refer to the List of Spool Functions on pages 347 - 351 (DSG-01) and 364 - 368 (DSG-03) for details.

Model Number Designation

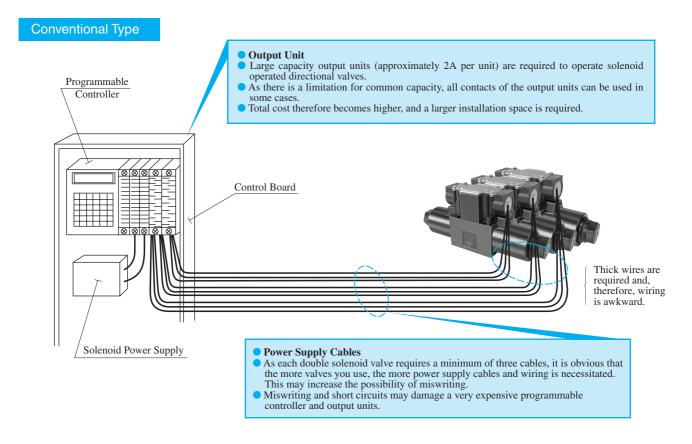
F-	T-	S-	DSG	-03	-2	В	2	Α	-D24	M	-70	*	-L
Special Seals	Control Type	Туре	Series Number	Valve Size	Number of Valve Position	Spool-Spring Arrangement	Spool Type	Special Two Position Valve	Coil Type	Supply Type of Signal Power	Design Number	Design Standard	Models with Alternate Offset Solenoid
Relay	Electronic			01					DC D24	None: Internal Signal Power	70		
	Incorporated			03						M : External Signal Power	50		

[★] Please refer to the valve type DSG-01 and DSG-03 shown on page 346 and 363 for the area shaded.

For details, please contact us.



Comparison of The Conventional Type and The Electronic Relay Incorporated Type



Electronic Relay Incorporated Type

