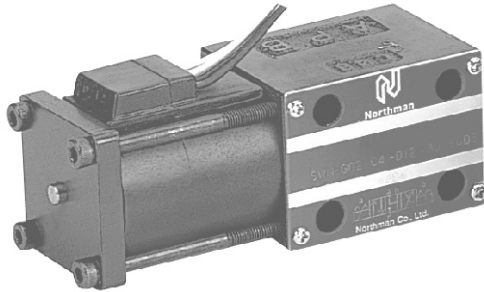




FORK LIFT MOBILE TRANSMISSION HYDRAULIC DIRECTIONAL CONTROL VALVE
SWM-G02 SERIES



Description 4 Way - 3 Position- Spring Centered Mobile Transmission Hydraulic Valve, Float Center Spool, ISO 03/NFPA D03/NG6 Mtg Pattern, Push-Pull Coil Series, Push Rod Solenoid End.

HOW TO ORDER

SWM	G	02	C4	D12	30	D	S	0	0	1
Series	Mounting Style	Nominal Size	Spool Type	Coil Voltage	Design Code	Diode Option	Manufacture Code	Accessories	Terminal Option	Special Specification
Middle Pressure, Directional Control Valve	Subplate Mounted	6mm	①	D12: DC12V D24: DC24V	30	No Code:Without Diode -D:With Diode	Manufacture Code	②	③	④

① Spool Configurations

Application	Spool Type	Symbols
3-position Spring Centered	C3	
	C4	
	C6	

② Accessories

0	Push Rod Solenoid End Without Dust Cover
1	Push Rod Solenoid End With Dust Cover
2	Push Rod Both Ends Without Dust Cover
3	Push Rod Both Ends With Dust Cover

③ Terminal Option

0	Without Connection Terminal
1	With Connection Terminal

④ Leadwire & Connection : Consult Northman For Customize Design

Note: Valve used on Mitsubishi Fork Lift Models FGC15K to FGC30K, P/N 91328-10030



■ PERFORMANCE SPECIFICATIONS

Mounting Pattern	ISO 03 /NFPA D03 /CETOP 03 / NG 06	
Maximum Operating Pressure	210 kgf/cm ² (3000 PSI)	
Maximum Tank Line Back Pressure	70kgf/cm ² (1000 PSI)	
Current	2.4A (DC 12V)	
	1.2A (DC 24V)	
Power Consumption	26.0 Watts	
Permissible Voltage Change	Voltage	Duty Cycle
	12V DC	-10 % ~ +10% Continuous
		+11 % ~ +20% 75% for 5 minutes each energizing
		+21% ~ +30% 50% for 3 minutes each energizing
	24V DC	-10 % ~ +10% Continuous
+11 % ~ +20% 75% for 5 minutes each energizing		
+21% ~ +30% 50% for 3 minutes each energizing		
Insulation	Class H	
Surge Protection	Option Built-in Diode, Surge Voltage < 1 votage	
Permissible Contamination Level	With NAS 1638 Class 12 (ISO 21/18)	
Operation Fluid and Temperature	Hydraulic Oil: -25°C to +90 °C (-13°F to + 194°F)	
	Engine Oil: -30°C to +100 °C(-22°F to +212 °F)	
	ATF Dexron: -30 °C to +130°C (-22 °F to +266°F)	
Vibration Tolerance	JIS D1601 Type-3 Class-D Stage-7 @ 0.4mm (0.016 inch) displacement @ 6.8G @ 66.7 HZ*3 Directions	
Waterproof Tolerance	JIS 0203S2 To immerse in 30 °C (86 °F) water@ 100mm (3.94 inch) in 10 minutes	
Maximum Frequency of Operation	250 cycles/minute	
Response Time	≤ 50 msec on	
	≤ 100 msec off	
Corrosion Resistance Treatment	Zinc Phosphate Compound	
Weight	1.6 kg (3.5 Lbs.)	



■ INSTALLATION DIMENSIONS

Unit: mm (inch)

