



**Fork Lift Transmission
Hydraulic Directional Control Valves**



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

ORDERING

SWM-G02-C4-D12-30-S005	12 Volt DC, with Connector
SWM-G02-C4-D12-30-S006	12 Volt DC, with Lead Wires
SWM-G02-C4-D24-30-S005	24 Volt DC, with Connector
SWM-G02-C4-D24-30-S006	24 Volt DC, with Lead Wires

PERFORMANCE SPECIFICATIONS

Mounting Pattern	ISO 03 /NFPA D03 /CETOP 03 / NG 06	
Max. Operating Pressure	3000 PSI (210 kgf/cm ²)	
Max. Flow	3.1 GPM (12 LPM) at 3000 PSI (210 kgf/cm ²)	
Max. Tank Line Back Pressure	1000 PSI (70kgf/cm ²)	
Fluid and Temperature	Hydraulic Oil: -13°F to +194°F (-25°C to +90°C) Engine Oil: -22°F to +212°F (-30°C to +100°C) ATF Dexron: -22°F to +266°F (-30°C to +130°C)	
Response Time	≤ 50 msec on, ≤100 msec off	
Max. Frequency of Operation	250 cycles/min	
Permissible Contamination Level	With NAS 1638 Class 12 (ISO 21/18)	
Corrosion Resistance Treatment	Zinc Phosphate Compound JIS D1601 Type-3 Class-D Stage-7	
Vibration Tolerance	@ 0.016 in. (0.4mm) displacement @ 6.8G @ 66.7 HZ * 3 Directions	
Waterproof Tolerance	JIS 0203S2, to immerse in 86°F (30°C) water @ 3.94 in. (100mm) for 10 minutes	
Voltage and Power Consumption	12 VDC	-10 % to +10% Continuous +11% to +20% 75% for 5 min. each energizing +21% to +30% 50% for 3 min. each energizing
	24 VDC	-10 % to +10% Continuous +11% to +20% 75% for 5 min. each energizing +21% to +30% 50% for 3 min. each energizing
Current	2.4A (DC 12V) 1.2A (DC 24V)	
Power Consumption	26.0 Watts	
Insulation	Class H	
Weight	3.5 lbs. (1.6 kg)	

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