

Technical specification



Specification		02	03		
Working pressure (MPa)	Oil ports P,A,B	35	31.5		
	Oil port T	10	10		
Max. Flow (L/min)		80	120		
Working fluid	Mineral oil; phosphate-ester				
Fluid temp. (°C)	-20~70				
Viscosity (mm <sup>2</sup> /s)	2.8~100				
Working voltage (V)	DC	12	24		
	AC	110/50Hz	220/50Hz		
Max. Switch frequency (T/h)		15000 (DC)	7200 (AC)		
Insulation grade	IP65				
Weight (kg)	Single solenoid	1.45(DC)	1.4(AC)	5.1(DC)	4.3(AC)
	Double solenoids	1.95(DC)	1.9(AC)	6.7(DC)	5.1(AC)
Cleanliness	The maximum allowable cleanliness of the oil should be according to 9th degree of Standard NAS1638. It is suggested that the minimum filter rating should be β 10≥75.				

Model description

FW - \* - \* - \* - \* - \* / \* \* 50 \*

Electrical Operated Directional Control Valve

Specification  
02 DN6  
03 DN10

Function code  
Details as following symbol table

Working voltage  
D12 DC12V  
D24 DC24V  
A110 AC110V  
A220 AC220V  
B110 AC110V Rectified  
B220 AC220V Rectified

Z5L Square connector with light  
Z6 Wire box type

Remarks

Serial number

50  
60  
70

Seal material  
Omit NBR Seals  
V FPM Seals

Omit without damping  
08 Φ0.8 Damping  
10 Φ1.0 Damping  
12 Φ1.2 Damping

Omit without hand emergency  
N9 with concealed hand emergency

Code symbol

Spring return

3C2		2B2B		2B2BL		2B2	
3C3		2B3B		2B3BL		2B3	
3C4		2B4B		2B4BL		2B8	
3C5		2B5B		2B5BL		2B2L	
3C6		2B6B		2B6BL		2B3L	
3C7		2B7B		2B7BL		2B8L	
3C9		2B9B		2B9BL		With detent	
3C10		2B10B		2B10BL			2D2
3C11		2B11B		2B11BL			2D3
3C12		2B12B		2B12BL			2D8
3C25		2B25B		2B25BL		No spring return and no detent mechanical positioning	
3C29		2B29B		2B29BL			2N2
							2N3
							2N8

Note: \*D\* (No spring return mechanical positioning) solenoid directional control valve should be installed horizontally.