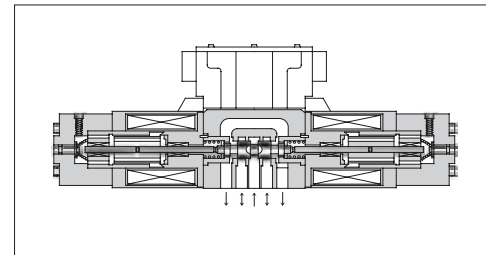


Proportional Electro-Hydraulic Directional and Flow Control Valves

These valves incorporate two control functions - flow and direction - which simplify the hydraulic circuit composition and therefore the cost of the system is reduced.



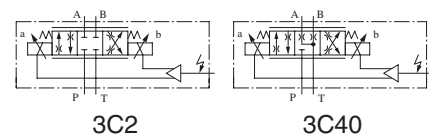
Specifications

		Model Numbers	EHDFG-01	EHDFG-03
Description				
Max. Operating Pressure	MPa (PSI)		24.5 (3550)	24.5 (3550)
Max. Tank Line Back Pres.	MPa (PSI)		7 (1020)	7 (1020)
Rated Flow	L/min (U.S.GPM) [Valve ΔP 6.9 MPa (1000 PSI)]		30 (7.92)	60 (15.9)
Hysteresis			5% or less	
Repeatability			1%* or less	
Frequency Response			20 Hz (-90 deg.)	17 Hz (-90 deg.)
Coil Resistance			10.5 Ω	8.0 Ω
Supply Electric Power			24 V DC (21 to 28 V DC Included Ripple)	
Input Voltage	By Controlling Variable Resistance (Using of Power from Amp.)		1 - 2 kΩ Volume Range	
	By Controlling Voltage (Using of Power outside Amp.)		0 - -5 V for SOL a	0 - +5 V for SOL b
Input Impedance			10 kΩ	10 kΩ
Power Input (Max.)			40 W	45 W
Ambient Temperature			0 - 50°C (32 - 122°F) (With Circulated Air)	

* The repeatability of the valves is obtained by having it tested independently on the conditions similar to its original testing.

Graphic Symbols

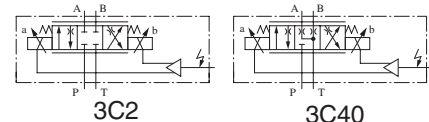
● Metre-in • Metre-out Control



3C2

3C40

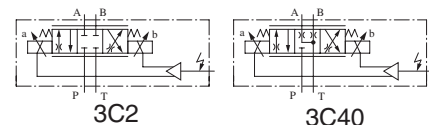
● Metre-out Control



3C2

3C40

● Metre-in Control



3C2

3C40

Model Number Designation

F-	EHDF	G	-01	-30	-3C2	-E	-30
Special Seals	Series Number	Type of Mounting	Valve Size	Rated Flow L/min (U.S.GPM)	Spool Type*	Direction of Flow	Design Number
F: Special Seals for Phosphate Ester Type Fluid (Omit if not required)	EHDF: Proportional Electro-Hydraulic Directional and Flow Control Valve	G: Sub-plate Mounting	01	30: 30 (7.92)	3C2	XY : Metre-in • Metre-out X : Metre-in Y : Metre-out	30
			03	60: 60 (15.9)	3C40		30

* Spool type shown in the column is for the centre position.