

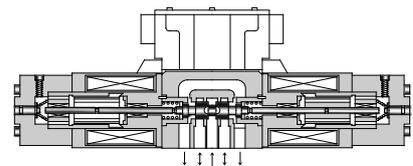
These valves incorporate two control functions - flow and direction - which simplify the hydraulic circuit composition and therefore the cost of the system is reduced.



### Specifications

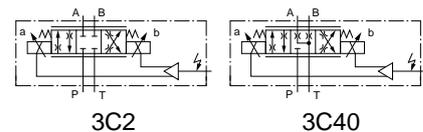
Model Numbers		EHDFG-01	EHDFG-03
Description			
Max. Operating Pressure	MPa (PSI)	24.5 (3550)	24.5 (3550)
Max. Tank Line Back Pres.	MPa (PSI)	7 (1020)	7 (1020)
Rated Flow	L/min (U.S.GPM) [Valve $\Delta P$ 6.9 MPa (1000 PSI)]	30 (7.92)	60 (15.9)
Hysteresis		Less than 5%	
Repeatability		Less than 1% *	
Frequency Response		20 (-90 deg.) Hz	17 (-90 deg.) Hz
Coil Resistance		10.5 $\Omega$	8.0 $\Omega$
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 k $\Omega$ 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 k $\Omega$	10 k $\Omega$
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.

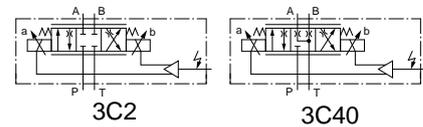


### Graphic Symbols

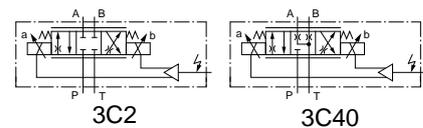
#### ● Metre-in • Metre-out Control



#### ● Metre-out Control



#### ● Metre-in Control



### Model Number Designation

EHDFG	-01	-30	-3C2	-E	-30
Series Number	Valve Size	Rated Flow L/min (U.S.GPM)	Spool Type *	Direction of Flow	Design Number
<b>EHDFG:</b> Proportional Electro-Hydraulic Directional and Flow Control Valve (Sub-Plate Mounting)	<b>01</b>	<b>30 : 30 (7.92)</b>	<b>3C2</b> 	<b>XY :</b> Metre-in • Metre-out  <b>X :</b> Metre-in  <b>Y :</b> Metre-out	<b>30</b>
	<b>03</b>	<b>60 : 60 (15.9)</b>	<b>3C40</b> 		<b>30</b>

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