

These valves consist of a small size but high performance electro-hydraulic proportional pilot relief valve and reducing valve with relief function. The valves control the system pressure proportionally through a controlled input voltage. Moreover, a good response speed in reducing the pressure even at a large load capacity can be obtained with the relief function of the valves.

#### Specifications

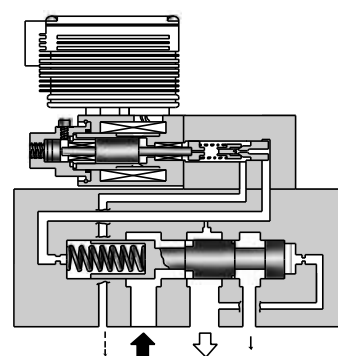
Model Numbers	EHRBG-06	EHRBG-10
Description		
Max. Operating Pres.	24.5 MPa (3550 PSI)	
Max. Flow	100 L/min (26.4 U.S.GPM)	250 L/min (66 U.S.GPM)
Max. Relieving Flow	35 L/min <sup>★1</sup> (9.24 U.S.GPM)	15 L/min <sup>★1</sup> (3.96 U.S.GPM)
Pressure Adjustment Range	Refer to Model Number Designation	
Coil Resistance	10 Ω	
Hysteresis	Less than 3%	
Repeatability	Less than 1% <sup>★2</sup>	
Frequency Response	<b>B:</b> 4 Hz <b>C:</b> 3 Hz (-90 degree) <b>H:</b> 3 Hz	
Supply Electric Power	24 V DC (21 to 28 V DC Included Ripple)	
Power Input (Max.)	28 W	
Input Signal	<b>B:</b> 6.9 MPa (1000 PSI) / 5 V DC <b>C:</b> 13.7 MPa (2000 PSI) / 5 V DC <b>H:</b> 20.6 MPa (3000 PSI) / 5 V DC (at Flow Rate Zero)	
Input Impedance	10 kΩ	
Pressure Signal Output	<b>B:</b> 5 V DC / 6.9 MPa (1000 PSI) <b>C:</b> 5 V DC / 13.7 MPa (2000 PSI) <b>H:</b> 5 V DC / 20.6 MPa (3000 PSI)	
Ambient Temperature	0 - 50℃ (32 - 122℉) (With Circulated Air)	

★1. The figures shown are those obtained where the differential pressure between the secondary pressure port and tank port is 14 MPa (2030 PSI).

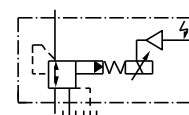
★2. The repeatability of the valve is obtained by having it tested independently on the conditions similar to its original testing.

#### Model Number Designation

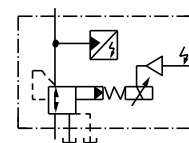
EHRB	G	-06	-C	-S	D	-50
Series Number	Type of Mounting	Valve Size	Pres. Adj. Range MPa (PSI)	Control Type	DPM	Design Number
<b>EHRB:</b> Proportional Electro-Hydraulic Reducing & Relieving Valve	<b>G:</b> Sub-Plate Mounting	<b>06</b>	<b>B:</b> 0.8 - 6.9 (115 - 1000) <b>C:</b> 1.2 - 13.7 (175 - 2000) <b>H:</b> 1.5 - 20.6 (220 - 3000)	<b>None:</b> Open-Loop	<b>None:</b> Without DPM	<b>50</b>
		<b>10</b>	<b>B:</b> 0.9 - 6.9 (130 - 1000) <b>C:</b> 1.2 - 13.7 (175 - 2000) <b>H:</b> 1.5 - 20.6 (220 - 3000)	<b>S:</b> Open-Loop with Sensor	<b>D:</b> With DPM	<b>50</b>



#### Graphic Symbols



Open-Loop Type



Open-Loop Type with Sensor