

EH

PROPORTIONAL ELECTRO-HYDRAULIC CONTROLS

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Proportional Electro-Hydraulic Control Valves



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Proportional Electro-Hydraulic Controls

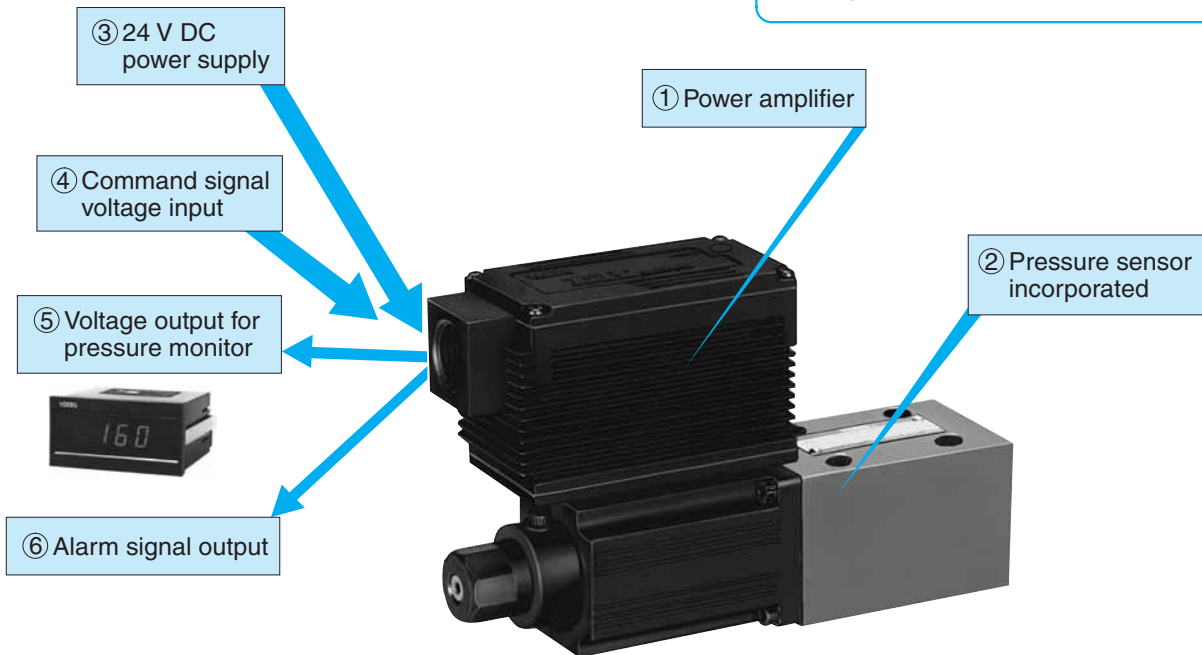


High-accuracy, simple, convenient

EH Series realizes your dreams.

Why simple ?

Highly accurate hydraulic control can be obtained only by supplying 24 V DC power ③^{★3} and inputting a command signal voltage of 0 to 5 V ④^{★4}.



Details of Proportional Electro-hydraulic Relief Valve

Why high-accuracy ?

The power amplifier ① and pressure sensor ②^{★1} are integrated in the control valve. Furthermore, the closed-loop control ^{★2} design greatly improves the linearity, hysteresis and stability in control pressure.

- ★1. The sensor in directional control valves is to monitor the spool position. Valves without sensor are also available in both pressure control valves and directional control valves.
- ★2. Open-loop types are also available.
- ★3. EHDFG-04 and 06: ±24V DC power supply is needed.
- ★4. EHDFG-01, 03, 04 and 06: 0 to ±5V DC command signal is needed.
- ★5. EHDFG-04 and 06: The spool displacement is shown as a percentage.

Why convenient ?

Analog voltages can be output by using the incorporated sensor for monitoring pressure, etc. ⑤^{★5}. Pressure can be displayed remotely with the indicators obtainable in the market and also can be transmitted into a computer.

If any trouble arises in the system and the command signal does not match to the output, the alarm signal ⑥ is dispatched. The trouble, if arises, can be easily detected by monitoring the dispatch of the alarm signal with sequence controller or computer.

