

Originally developed for the offshore Oil & Gas Industry, Paladon Systems Electro-Hydraulic Positional Control Systems provide a rugged and reliable valve automation solution. Positional control is achieved by pulsing solenoid valves directly from a suitable DCS with facility of 4-20mA retransmission signal or by means of an integral positioner operating from a 4-20mA command signal. These fully customizable systems provide:

- **A compact manifold control system to eliminate piping and increase system reliability**
- **The same simplicity and low cost of installation as provided by electric actuators**
- **Fail-safe or fail-last operation**
- **The power, precision and compact size of high pressure hydraulic systems**
- **Industry-leading control options and system diagnostics**
- **Environmentally responsible due to low power requirements and the ability to operate on biodegradable fluid**



Specifications

Valve Types	Choke, globe or control
Modes of Operation	Stayput, fail close or fail open
Electrical Certification	ATEX EExd or CSA/UL explosion proof
Electrical Supply	24VDC as standard. 380/440 VAC 3-phase or 110/240 VAC single-phase power supplies also supported
Ring Main Hydraulic Supply Pressure	80 to 210 Barg
Operating Environment	Standard temperature trim: -20 to +60°C (-4 to +140°F) Low temperature trim: -60 to +60°C (-76 to +140°F)
Operating Media	Mineral oil or biodegradable fluid
Manual Override	Hydraulic handpump
Command Signal	4 - 20mA
Re-Transmission Signal	4 - 20mA
Positional Accuracy	Better than ±0.5%
Repeatability	Better than ±0.5%
Communications	4-20mA HART, Modbus or Foundation Fieldbus