



SAMPLE SPECIFICATION – ERS SERIES

Electric rotary actuators for specified ball and butterfly valves shall be Chemline ERS Series or equal. Chemline will do actuator and accessory mounting and bench testing. Actuators will have the following standard features:

1. CSA Special Inspection Labelled
2. Suitable for voltages 120/240 VAC (50/60 Hz), 3-wire on-off control.
3. 30% duty cycle reversible motor with thermal overload protection.
4. Gear train with irreversible spur gears to eliminate possible backlash and valve drift.
5. NEMA 4X/IP66 rated enclosure – Polyamide cover and base, stainless steel fasteners.
6. PC control board and on-board 4-watt heater/thermostat.
7. Separate external DIN electrical plugs, black for power and grey for signal. Actuator will be pre-wired inside so cover need not be removed for installation.
8. Permanently attached manual override and mechanical visual position indicator.
9. End-of-travel controlled with limit switches, fully adjustable, cam-actuated, SPDT (single pole double-throw) type rated to 250 VAC. Two will be provided for open-close control and two extra for open-close position feedback.
10. Fixed mechanical travel stops for 1/4-turn operation, not included for 180-degree operation.
11. Mounting bolt circle and drive socket in the base with dimensions according to ISO 5211.
12. Labels permanently marked with manufacturing number to provide production traceability.