

**General Description:** Parker 70 and 80 Series Electric Actuators are designed for electric actuation of Parker's B Series, MB Series, HB Series, and SWB Series Ball Valves. They provide reliable, cost effective, remote valve actuation. The simplicity of design provides accessible and easy wiring installation. The convenience and accuracy of advanced modular electronics gives the user the ability to wire in accessories without all the hard wiring hassles. The master PC ("mother") board accepts plug-in modular ("daughter") boards to allow for a variety of accessory functions. Other than connecting a power source, there is no internal wiring to tangle with, ever. With a variety of accessories as well as superior actuator design, Parker's Ball Valves with the 70 or 80 Series actuators are the obvious choice.

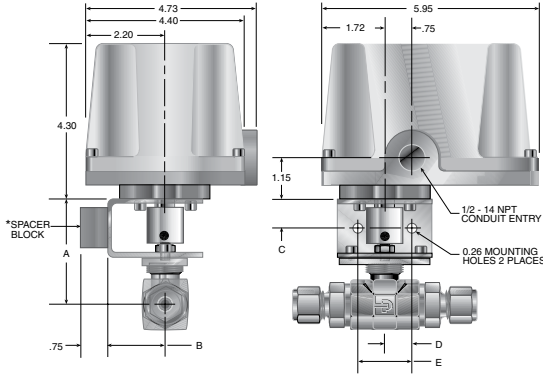
**Features:**

- Single direction actuation
- PVC cover resists damage/UV radiation
- NEMA 4 (weatherproof), 4X (weatherproof with corrosion resistance)
- Hardened steel spur gear drive train provides consistent, long life performance
- Permanently lubricated gear drive train and bearings
- Low profile design/direct drive male output permit limited space installation
- Available for the B Series, MB Series, HB Series and SWB Series ball valves
- Available for 2-way (90°) and 3-way (180°) configurations.
- Approximate weight: 6 lb
- CSA certified (Standard)
- Two Limit Switches: Single pole, double throw, rated for 1/3 HP, 10 amps @ 125/230 VAC, CSA certified

**ELECTRIC ACTUATORS****70 SERIES****SPECIFICATIONS**

- Voltage: 24, 115 or 230 VAC (50/60 Hz); 12 or 24 VDC
- Torque: 150, 300, 600 in lb
- Enclosure: PVC composite
- Duty cycle: 25%; 100% (VDC models)
- Actuator bolt pattern: ISO standard (5211)
- Conduit connection: 1/2" NPT
- Output shaft: Male, zinc plated steel
- Temperature limits (all models): 32°F to 150°F;  
(-40°F minimum with heater and thermostat)

**ELECTRIC ACTUATORS**  
**70 SERIES**



Valve Type	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)
B2	2.23	1.61	0.80	0.75	1.50
B6	2.49				
B8	2.91				
MB2	2.33				
MB4	2.33				
MB6	2.48				
HB4	2.70	1.25	0.82	0.75	1.50
SWB4	2.57				
SWB8	2.79				
SWB12	2.95				
SWB16	3.14				

\* Spacer block ordered separately

Actuator Model	Breakaway Torque (in. lb.)	Voltage	Duty Cycle	Cycle Time (sec)	Amps at stall (Nominal)			Approx. Weight (lb.)
					24 VAC	115 VAC	230 VAC	
71	150	24 VAC	25%	5	5.2	1.3	0.7	6
72	300	115 VAC or		9	7.2	1.8	0.9	
73	600	230 VAC		16	7.2	1.3	0.7	

Actuator Model	Breakaway Torque (in. lb.)	Voltage	Duty Cycle	Cycle Time (sec)		Amps at Running Torque (Nominal)		Approx. Weight (lb.)
				12 VDC	24 VDC	12 VDC	24 VDC	
72	300	24 VDC	100%	**	9	**	0.5	6
73	600	12 VDC or 24 VDC		16	16	1.3	0.5	

NOTE: Cycle times reflect 90° rotation. For 180° rotation, double the cycle time. \*\*12 VDC not available with this model.