



## Series 2000 Pneumatic Rack and Pinion Actuators

### THE INDUSTRIAL SOLUTION

Chemtrol's Series 2000 pneumatic actuators are tough enough to handle almost any industrial environment. Molded from glass-reinforced polyarylamide, the Series 2000 exhibits physical properties equivalent to or better than many metals. Its all plastic housing is resistant to most chemical reagents and solvents and can handle a wide range of working temperatures. Available in both double acting and spring return, the Series 2000 actuators can actuate ball valves up to 2" in size.

### STANDARD FEATURES

- Double acting or spring return design
- Blow-out proof shaft (Pinion)
- Standard working temperature: 4°F to 176°F
- Mounting dimensions per ISO 5211
- Female drive per ISO 5211
- NAMUR mounting for accessories
- Serial numbers are standard for traceability
- Body, piston and cap material are of **reinforced polyarylamide based thermoplastic**
- Fully recyclable with high corrosion resistance
- Shaft (Pinion) and bolting material of 300 Series Stainless Steel
- Seals of BUNA-N rubber
- 2000-11 weight = 1.35 lbs.
- 2000-14 weight = 3.10 lbs.
- Streamlined stainless steel mount bracket



### Model 2000-11

(for double acting and spring return, 1/2" through 1")

### Model 2000-14

(for double acting 1 1/4" through 2" and spring return, 1 1/4" through 1 1/2")

### SPRING RETURN 90°

MODEL	POS.1 CLOSING TORQUE (SPRING)			POS. 2 - OPENING TORQUE					
	SPRING	START	END	60PSI		80PSI		100PSI	
				START	END	START	END	START	END
2000-11	3+3	99	66	—	—	59	26	90	57
2000-14	4+4	149	107	100	57	168	126	237	194

### DOUBLE ACTING 90°

Model	40PSI	60PSI	80PSI	100PSI	120PSI
2000-11	62	94	125	156	187
2000-14	137	206	275	344	412

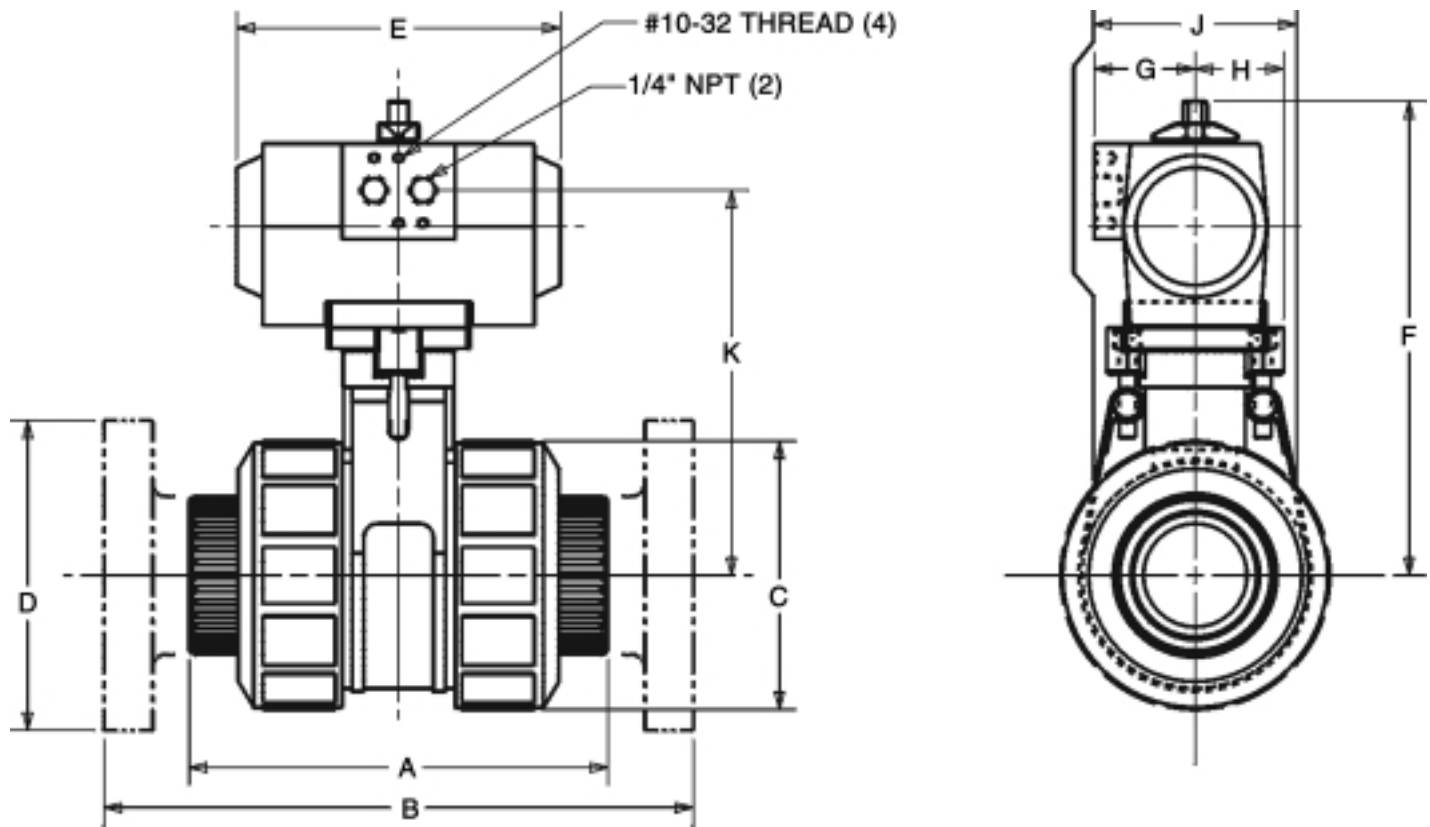
Torque Values in. lb.

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# Corrosion Resistant Valve Actuators

## SPECIFICATIONS



ACTUATOR		DIMENSIONS — WEIGHTS										
Valve Size	Actuator	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. H	Dim. J	Dim. K	Approx. Weight
1/2	2000-11	4.00	6.19	2.00	3.50	4.68	5.98	1.56	1.03	2.13	4.23	1.60
3/4	2000-11	4.63	7.25	2.44	3.88	4.68	6.22	1.56	1.03	2.16	4.47	1.60
1	2000-11	5.19	8.06	2.81	4.25	4.68	6.40	1.56	1.03	2.32	4.65	1.60
1	2000-14	5.19	8.06	2.81	4.25	6.25	6.40	1.56	1.03	2.32	4.65	3.60
1 1/4	2000-11	6.19	9.50	4.06	4.63	4.68	8.56	1.94	1.71	3.41	9.76	1.85
1 1/4	2000-14	6.19	9.50	4.06	4.63	6.25	8.56	1.94	1.71	3.41	9.76	3.60
1 1/2	2000-11	6.19	10.00	4.06	5.00	4.68	8.56	1.94	1.71	3.41	9.79	1.85
1 1/2	2000-14	6.19	10.00	4.06	5.00	6.25	8.56	1.94	1.71	3.41	9.79	3.60
2	2000-14	7.38	11.38	5.25	6.00	6.25	9.08	1.94	1.71	3.64	7.31	3.60

**NOTE:** Weights include Actuator and Mount Kit **ONLY**.

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