



## FEATURES

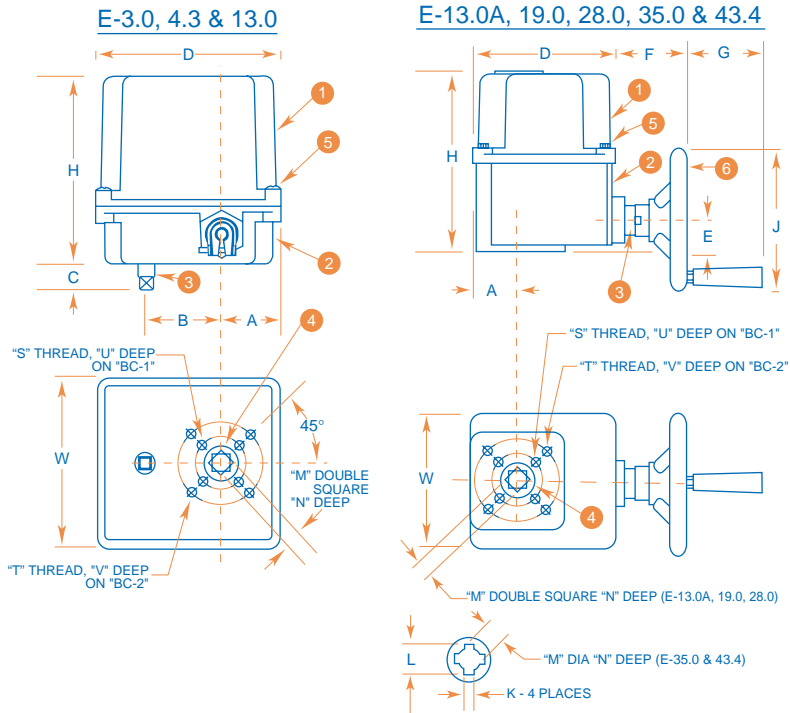
- 300 to 4400 In-Lbs Torque Output, 8 Models
- NEMA-4/IEC IP67 Compliant
- ISO Mounting Patterns and Female Drive Output Shafts
- Nylon Housings are Corrosion and Impact Resistant
- Standard Position Indicators
- Standard Manual Over-Rides
- 115VAC, 220VAC, 24VAC & 12VDC Models Available
- Direct Mount on Quadrant Valves

## MATERIALS OF CONSTRUCTION

PART	QTY.	NAME	MATERIAL
1	1	UPPER HOUSING	NYLON
2	1	LOWER HOUSING (E3.0 to 13.0)	NYLON
2	1	LOWER HOUSING (E13.0A & UP)	ALUMINUM
3	1	MANUAL SHAFT (E3.0 to E13.0)	PLATED CS
3	1	MANUAL SHAFT (E13.0A & UP)	300SS
4	1	OUTPUT SHAFT	300SS
5	4	HOUSING BOLTS	300SS
6	1	HANDWHEEL	NYLON

## OPERATING SPECIFICATIONS

UNIT	115VAC AMPERAGE	220VAC AMPERAGE	CYCLE TIME (90 DEGREES)	TORQUE OUTPUT	WEIGHT (LBS)
E-3.0	.4 AMPS	.3 AMPS	10 SEC	303 IN-LB	3.3
E-4.3	.4 AMPS	.3 AMPS	20 SEC	434 IN-LB	5.1
E-13.0	.8 AMPS	.5 AMPS	8 SEC	1302 IN-LB	13.5
E-13.0A	.8 AMPS	.5 AMPS	8 SEC	1302 IN-LB	17.0
E-19.0	.8 AMPS	.5 AMPS	15 SEC	1909 IN-LB	17.0
E-28.0	.8 AMPS	.5 AMPS	30 SEC	2778 IN-LB	18.5
E-35.0	1.0 AMPS	.6 AMPS	30 SEC	3472 IN-LB	24.0
E-43.4	1.3 AMPS	.7 AMPS	30 SEC	4340 IN-LB	24.5



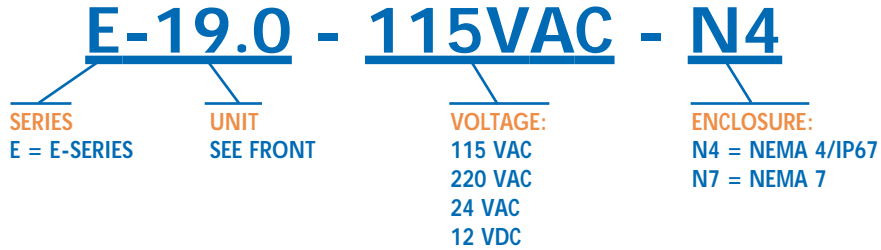
## DIMENSIONS

UNIT	A	B	C	D	E	F	G	H	J	K	L	M	N	S	T	U	V	W	BC-1	BC-2	ISO PATTERN
E-3.0	1.2	1.9	0.3	4.5	N/A	N/A	N/A	5.7	N/A	N/A	N/A	14MM	0.79	M5-P0.8	M6-P1.0	0.35	0.35	4.5	1.42	1.97	F03&F05
E-4.3	2.2	1.1	0.3	4.5	N/A	N/A	N/A	7.3	N/A	N/A	N/A	14MM	0.79	M6-P1.0	M8-P1.25	0.35	0.35	4.5	1.97	2.76	F05&F07
E-13.0	2.1	2.7	0.7	6.5	N/A	N/A	N/A	6.5	N/A	N/A	N/A	14MM	0.79	M8-P1.25	N/A	0.50	N/A	6.5	2.76	N/A	F07
E-13.0A	2.3	N/A	N/A	6.8	2.3	3.3	3.5	8.5	6.3	N/A	N/A	14MM	0.79	M8-P1.25	N/A	0.75	N/A	6.5	2.76	N/A	F07
E-19.0	2.3	N/A	N/A	6.8	2.3	3.3	3.5	8.5	6.3	N/A	N/A	17MM	1.18	M8-P1.25	N/A	0.75	N/A	6.5	2.76	N/A	F07
E-28.0	2.4	N/A	N/A	6.8	3.4	3.3	3.5	9.5	6.3	N/A	N/A	22MM	1.18	M8-P1.25	M10-P1.5	1.00	1.00	6.5	2.76	4.02	F07&F10
E-35.0	2.4	N/A	N/A	6.5	4.5	3.3	3.5	9.8	7.9	0.187	1.440	1.250	2.00	M8-P1.25	M10-P1.5	0.47	0.59	6.5	2.76	4.02	F07&F10
E-43.4	2.4	N/A	N/A	6.5	4.5	3.3	3.5	9.8	7.9	0.375	2.300	1.937	2.00	M10-P1.5	M12-P1.75	0.59	0.75	6.5	4.02	4.92	F10&F12



# E-SERIES ELECTRIC ACTUATORS

NUMBERING SYSTEM ... HOW TO ORDER:



## E-SERIES ACTUATOR TO VALVE SELECTION CHART

SIZE	QUADRANT VALVE (S)	DIFFERENTIAL PRESSURE	E-SERIES UNIT	BRACKET	DRIVER	DRIVE ADAPTOR	BFV SPACER RING
1/4" to 1/2"	S1-SS & S2-22	ALL	E-3.0	B1	D1	14M11	N/A
3/4" - 1"	S1-SS & S2-22	ALL	E-3.0	B2	D3	NONE	N/A
1-1/4" - 2"	S1-SS & S2-22	ALL	E-4.3	B3	D5	NONE	N/A
2-1/2"	S1-SS	ALL	E-4.3	B8	D22	NONE	N/A
3"	S1-22	ALL	E-13.0	B8	D22	NONE	N/A
1/4" to 1/2"	SB-CS & SB-SS	ALL	E-3.0	B4	D20	NONE	N/A
3/4" - 1"	SB-CS & SB-SS	ALL	E-3.0	B5	D12	NONE	N/A
1-1/4" - 2"	SB-CS & SB-SS	ALL	E-4.3	B6	D14	NONE	N/A
1/4" - 1/2"	S3-CS & S3-CS, S6-CS & S6-SS	ALL	E-3.0	B4	D20	NONE	N/A
3/4" - 1"	S3-CS & S3-CS, S6-CS & S6-SS	ALL	E-3.0	B5	D12	NONE	N/A
1" FULL PORT	S3-CS & S3-CS, S6-CS & S6-SS	ALL	E-13.0	B6	D14	NONE	N/A
1-1/2" - 2"	S3-CS & S3-CS, S6-CS & S6-SS	ALL	E-19.0	B7	D17	NONE	N/A
1/4" - 1/2"	UU-CS & UU-SS	ALL	E-3.0		D20	NONE	N/A
3/4" - 1"	UU-CS & UU-SS	ALL	E-3.0	B4	D12	NONE	N/A
1-1/4" - 2"	UU-CS & UU-SS	ALL	E-13.0	B6	D14	NONE	N/A
2" PEEK	UU-CS & UU-SS	ALL	E-13.0	B6	D14	NONE	N/A
2", 2-1/2", 3"	BFV-A, BFV-C, BFV-D	200PSID-DRY	E-3.0	NONE	NONE	14M11	BFV-SPAC-1
4"	BFV-A, BFV-C, BFV-D	200PSID-DRY	E-4.3	NONE	NONE	14M11	BFV-SPAC-2
5", 6"	BFV-A, BFV-C, BFV-D	200PSID-DRY	E-13.0	NONE	NONE	NONE	BFV-SPAC-2
8"	BFV-A, BFV-C, BFV-D	200PSID-DRY	E-28.0	NONE	NONE	22M19	BFV-SPAC-4
10"	BFV-A, BFV-C, BFV-D	200PSID-DRY	E-43.4	NONE	NONE	GO50-22MMSQ-INSERT	BFV-SPAC-5
12"	BFV-A, BFV-C, BFV-D	200PSID-DRY	OTHERS				
2", 2-1/2", 3"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-3.0	NONE	NONE	14M11	BFV-SPAC-1
4"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-3.0	NONE	NONE	14M11	BFV-SPAC-2
5", 6"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-13.0	NONE	NONE	NONE	BFV-SPAC-2
8"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-28.0	NONE	NONE	22M19	BFV-SPAC-4
10"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-43.4	NONE	NONE	GO50-22MMSQ-INSERT	BFV-SPAC-5
12"	BFV-A, BFV-C, BFV-D	200PSID-WET	E-43.4	NONE	NONE	GO50-27MMSQ-INSERT	BFV-SPAC-5