

V Series

V Port 2-way Ball Valve



The V Series ball valve provides accurate control of down-stream flow rates, from simple on-off to modulating control applications. The throttling part of the valve is a solid stainless steel ball, not a seat insert like others. The unique V Series ball design is forgiving, accommodating, and characterized to meet all custom flow requirements.

V Series valves are designed to offer maximum flow coefficients (Cv) which are substantially larger than other throttling ball valves. In many cases, half size pipeline valves can be used resulting in space reduction, reduced maintenance and delivering great cost reductions.

FEATURES

- Higher flow capacities and excellent repeatability.
- Bubble-tight shut-off.
- Controllable flow rates.
- Non-clogging flow streams for general and slurry applications.
- High pressure drop capability with straight through flow.
- Self-compensating live-loaded stem packing.
- Maintenance is as easy as changing a standard seat.
- High temperature ball seats.
- Matched ball and stem.
- Economical low operating cost.

MATERIALS OF CONSTRUCTION

Body:

Stainless steel (V200, V300 & V350T), stainless steel or carbon steel (V150F & V300F).

Seats:

TFM or 50/50 (V200, V300, V150F & V300F), PTFE (V350T).

V SERIES MODEL NUMBERING

Model Number:

V X

End Connections:

- 200N** = Carbon Steel NPT
- 300N** = Stainless Steel NPT
- 200S** = Carbon Steel IPS socket
- 300S** = Stainless Steel IPS socket
- 350T** = Tri-clamp
- 150F** = 150 lb ANSI flanged
- 300F** = 300 lb ANSI flanged

ACTUATOR CONFIGURATIONS

- Electric (weatherproof) with 4-20 mA positioner.
- Electric (explosion proof) with 4-20 mA positioner.
- Pneumatic (spring return) with 4-20 mA positioner or 3-15 PSI positioner.
- Pneumatic (double acting) with 4-20 mA positioner or 3-15 PSI positioner.

MAXIMUM PRESSURE

Class 150:

Body: 275 PSI

Class 300:

Body: 700 PSI

MAXIMUM TEMPERATURE

- 425°F (PTFE)
- 475°F (TFM)
- 525°F (50/50)

SPECIFICATIONS

Connections:

1/2" to 4" NPT threaded, IPS socket & tri-clamp, 1/2" to 8" flanged.

V Series

V port 2-way ball valve

(1/2" to 4" NPT threaded, IPS socket & tri-clamp, 1/2" to 8" flanged sizes available)

Cv FACTORS

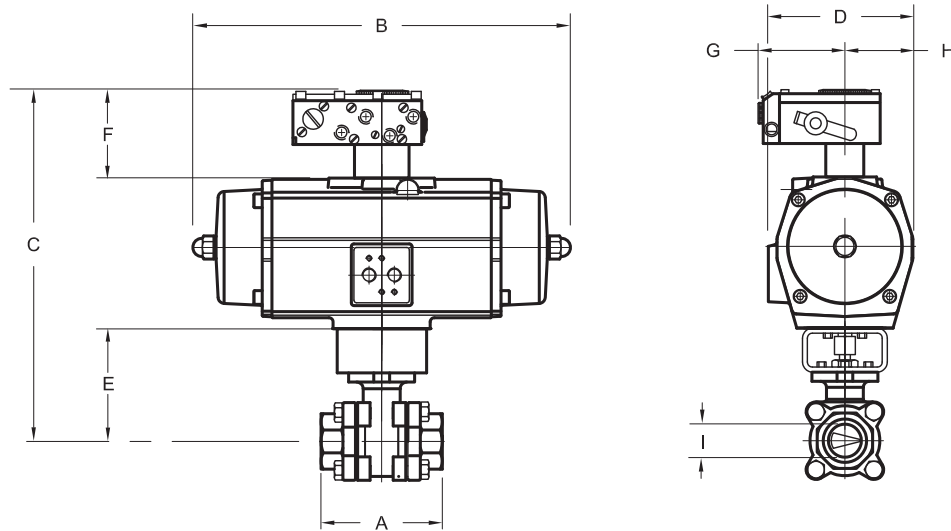
Size	V-Port Drilling	Cv										
		Percent / Angle of Ball Rotation										
		0% / 0°	10% / 9°	20% / 18°	30% / 27°	40% / 36°	50% / 45°	60% / 54°	70% / 63°	80% / 72°	90% / 81°	100% / 90°
1/2"	30°	0	0.04	0.23	0.47	0.77	1.19	1.83	2.47	3.43	4.65	5.58
	60°	0	0.05	0.28	0.73	1.11	1.83	2.92	4.29	7.00	9.43	12.78
3/4"	30°	0	0.07	0.30	0.61	0.99	1.57	2.42	3.25	4.52	6.12	7.34
	60°	0	0.08	0.35	0.93	1.46	2.42	3.85	5.64	9.21	12.41	16.28
1"	30°	0	0.08	0.45	1.25	2.06	3.54	5.30	7.70	10.49	12.84	15.48
	60°	0	0.09	0.68	1.74	2.78	5.13	8.00	11.88	18.71	23.22	32.84
1-1/4"	30°	0	0.06	0.48	1.37	2.47	4.12	6.08	8.82	11.76	14.87	17.39
	60°	0	0.07	0.67	2.04	3.41	6.47	10.80	15.39	22.35	33.37	44.20
1-1/2"	30°	0	0.08	0.65	1.88	3.39	5.66	8.36	12.12	16.17	20.44	23.90
	60°	0	0.09	0.92	2.81	4.69	8.89	14.85	21.16	30.73	45.88	59.74
2"	30°	0	0.09	1.18	3.79	7.53	12.26	17.83	26.44	36.45	48.09	55.92
	60°	0	0.11	1.51	5.80	10.39	20.60	33.98	48.75	69.04	104.23	136.50
2-1/2"	30°	0	0.10	1.15	4.42	7.91	13.39	20.05	30.43	41.92	69.75	77.20
	60°	0	0.14	1.46	5.91	11.90	23.24	37.92	59.31	83.29	113.65	162.50
3"	30°	0	0.13	1.20	4.15	9.49	15.96	26.78	38.91	53.31	69.77	85.91
	60°	0	0.16	2.89	6.70	15.82	29.36	46.32	73.60	106.74	149.88	193.20
4"	30°	0	0.18	1.75	7.84	18.59	35.21	58.60	87.89	124.41	158.53	197.10
	60°	0	0.27	2.20	12.44	33.67	62.98	106.26	160.49	233.96	329.50	437.29
6"	30°	0	0.30	3.12	13.97	33.15	62.70	104.37	156.53	221.56	282.33	349.70
	60°	0	0.27	5.41	22.15	59.97	112.16	189.24	285.82	416.68	586.83	800.80
8"	30°	0	0.50	5.32	23.77	56.35	106.70	177.62	266.39	377.06	480.47	595.20
	60°	0	0.80	6.66	23.81	102.06	190.87	322.06	486.41	709.11	998.69	1325.40

V200F / V300F ESR

V-Port 3-pc ball valve with spring return pneumatic actuator & positioner

(Threaded NPT (N), & Socket Weld (S) end connections) TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt. (lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	2.84	6.77	11.78	3.26	4.54	4.09	3.50	1.46	.59	ES25	15.3	C* ①F ②E8S ③④
3/4"	3.35	8.03	12.41	3.78	4.66	4.09	3.50	1.70	.79	ES40	17.2	D* ①F ②E8S ③④
1"	3.62	9.80	13.27	4.19	5.05	4.09	3.50	1.93	.98	ES65	20.9	E* ①F ②E8S ③④
1-1/2"	4.84	10.51	14.34	4.60	5.60	4.09	3.50	2.12	1.50	ES100	27.6	G* ①F ②E8S ③④
2"	5.59	14.17	15.67	5.39	5.95	4.09	3.50	2.52	2.00	ES200	41.6	H* ①F ②E8S ③④
3"	7.95	15.24	17.94	7.12	6.72	4.09	3.50	3.41	3.00	ES350	79.3	J* ①F ②E8S ③④
4"	9.06	18.78	21.49	8.52	8.35	4.48	3.50	4.08	4.02	ES600	131.3	K* ①F ②E8S ③④
60 psig Minimum Actuator Air Supply = 6S												
1/2"	2.84	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	16.9	C* ①F ②E6S ③④
3/4"	3.35	8.03	12.41	3.78	4.66	4.09	3.50	1.70	.79	ES40	17.2	D* ①F ②E6S ③④
1"	3.62	9.80	13.27	4.19	5.05	4.09	3.50	1.93	.98	ES65	20.9	E* ①F ②E6S ③④
1-1/2"	4.84	10.51	14.34	4.60	5.60	4.09	3.50	2.12	1.50	ES100	27.6	G* ①F ②E6S ③④
2"	5.59	14.17	15.67	5.39	5.95	4.09	3.50	2.52	2.00	ES200	41.6	H* ①F ②E6S ③④
3"	7.95	15.24	17.94	7.12	6.72	4.09	3.50	3.41	3.00	ES350	79.3	J* ①F ②E6S ③④
4"	9.06	20.35	23.03	9.51	8.35	4.48	3.50	4.54	4.02	ES950	155.6	K* ①F ②E6S ③④

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

③ C=Fail Close, O=Fail Open

④ Positioner: P5, E5, E5XP

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: TFM
- Max Temp: TFM Seats: 475°F

PNEUMATIC ACTUATOR FEATURES

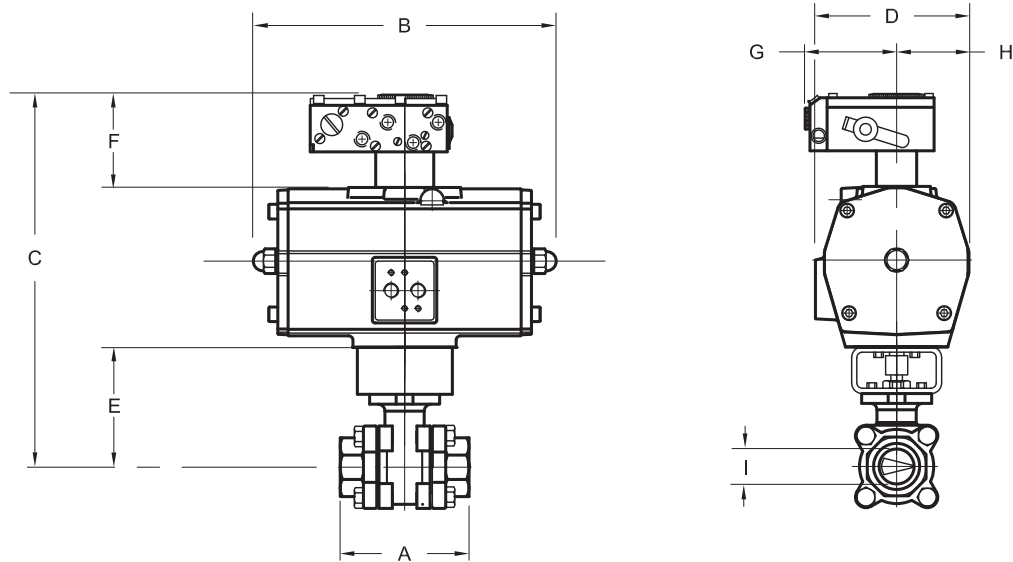
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V200F / V300F EDA

V-Port 3-pc ball valve with double acting pneumatic actuator & positioner

(Threaded NPT (N), & Socket Weld (S) end connections) TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Cv	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D													
1/2"	2.84	6.26	7.24	3.26	4.54	4.09	3.50	1.46	.59	ED25	18	14.5	C* ①F ②E8D ③
3/4"	3.35	6.26	11.90	3.26	4.66	4.09	3.50	1.46	.79	ED25	42	14.8	D* ①F ②E8D ③
1"	3.62	6.26	12.29	3.26	5.05	4.09	3.50	1.46	.98	ED25	74	15.9	E* ①F ②E8D ③
1-1/2"	4.84	7.09	13.35	3.78	5.60	4.09	3.50	1.70	1.50	ED40	210	21.5	G* ①F ②E8D ③
2"	5.59	7.09	13.70	3.78	5.95	4.09	3.50	1.70	2.00	ED40	380	25.5	H* ①F ②E8D ③
3"	7.95	8.70	15.46	4.60	6.72	4.09	3.50	2.12	3.00	ED100	890	48.8	J* ①F ②E8D ③
4"	9.06	12.01	19.57	7.12	8.35	4.09	3.50	3.41	4.02	ED350	1620	93.4	K* ①F ②E8D ③
60 psig Minimum Actuator Air Supply = 6D													
1/2"	2.84	6.26	7.24	3.26	4.54	4.09	3.50	1.46	.59	ED25	18	14.5	C* ①F ②E6D ③
3/4"	3.35	6.26	11.90	3.26	4.66	4.09	3.50	1.46	.79	ED25	42	14.8	D* ①F ②E6D ③
1"	3.62	6.26	12.29	3.26	5.05	4.09	3.50	1.46	.98	ED25	74	15.9	E* ①F ②E6D ③
1-1/2"	4.84	7.09	13.35	3.78	5.60	4.09	3.50	1.70	1.50	ED40	210	21.5	G* ①F ②E6D ③
2"	5.59	7.83	14.17	4.19	5.95	4.09	3.50	1.93	2.00	ED65	380	26.8	H* ①F ②E6D ③
3"	7.95	11.14	16.44	5.39	6.72	4.09	3.50	2.52	3.00	ED200	890	54.8	J* ①F ②E6D ③
4"	9.06	12.01	19.57	7.12	6.35	4.09	3.50	3.41	4.02	ED350	1620	93.4	K* ①F ②E6D ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2"- 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

③ Positioner: P5, E5, E5XP

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: TFM
- Max Temp: TFM Seats: 475°F

PNEUMATIC ACTUATOR FEATURES

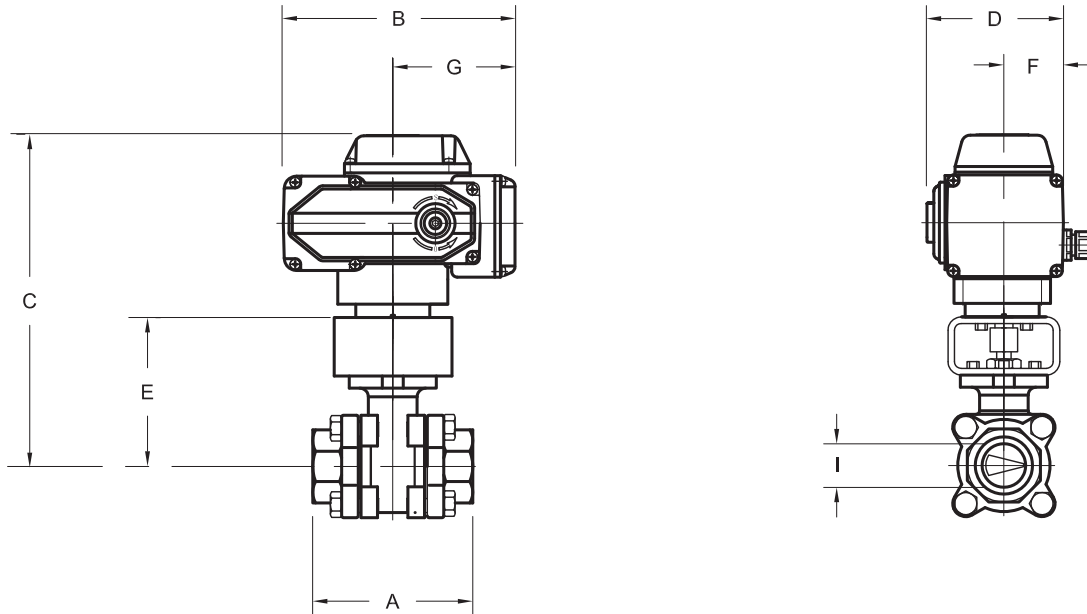
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V200F / V300F K4A-P420

V-Port 3-pc ball valve with electric actuator for throttling service

(Threaded NPT (N), & Socket Weld (S) end connections) TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	2.84	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	7.1	C* ①F②K4A-P420
3/4"	3.35	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	12.4	D* ①F②K4A-P420
1"	3.62	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	13.5	E* ①F②K4A-P420
1-1/2"	4.84	8.17	12.04	4.82	5.60	1.62	4.33	1.50	Nucom-10NS/30	23.0	G* ①F②K4A-P420
2"	5.59	8.17	12.39	4.82	5.95	1.62	4.33	2.00	Nucom-10NS/30	36.0	H* ①F②K4A-P420
3"	7.95	10.10	14.00	6.16	6.72	2.46	5.25	3.00	Nucom-10NM/30	55.5	J* ①F②K4A-P420
4"	9.06	15.00	17.56	9.53	8.35	4.13	7.85	4.02	Nucom-10NL/15	110.0	K* ①F②K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: TFM
- Max Temp: TFM Seats: 475°F

ELECTRIC ACTUATORS FEATURES

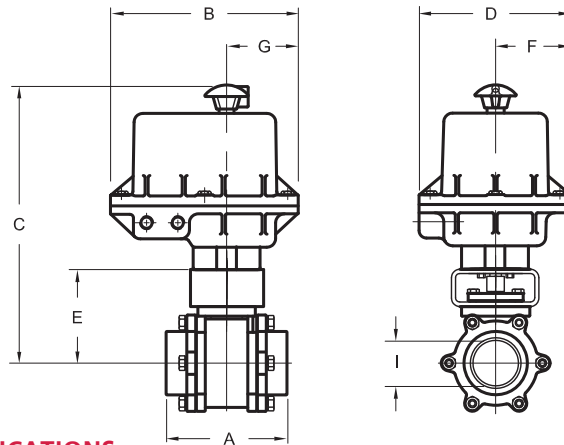
- K Series electric actuator
- Actuator speed: 25 sec
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V200F / V300F B7A-420 3 - 4

V-Port 3-pc ball valve with electric actuator, NEMA 7, 120vac

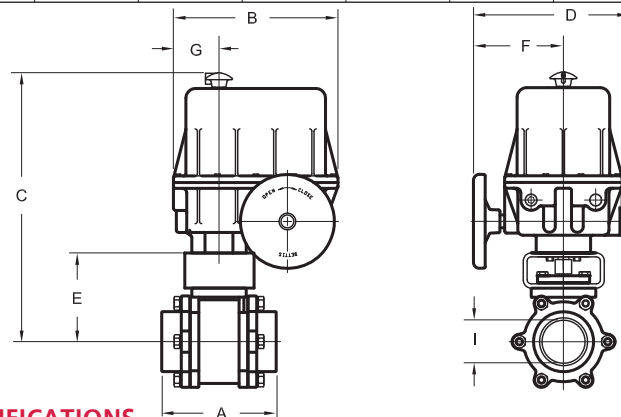
(Threaded NPT (N), & Socket Weld (S) end connections) TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	7.95	8.25	16.16	6.25	6.72	3.12	3.75	3.00	EM500-30	55.5	J * F ① ② B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	9.06	14.00	23.73	13.31	8.35	7.62	3.88	4.00	EM810-18	226.0	K * F ① ② B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket for 3" valve and a 4" high bracket for the 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATORS FEATURES

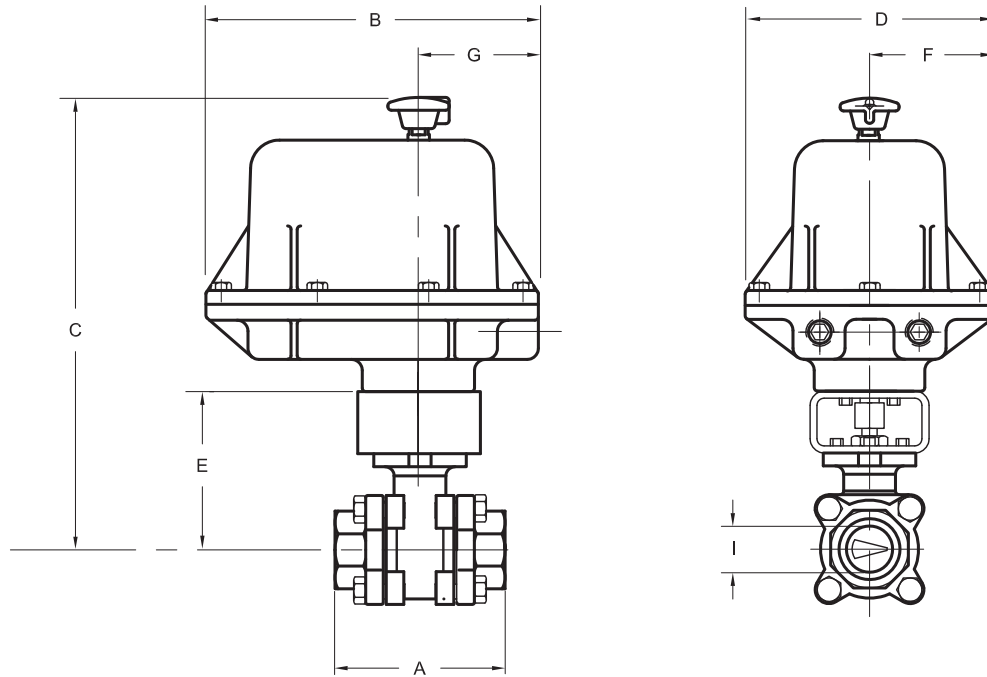
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V200F / V300F B7A-420 .5 - 2

V-Port 3-pc ball valve with electric actuator, NEMA 7, 120vac

(Threaded NPT (N), & Socket Weld (S) end connections) TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	2.84	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	25.1	C * F ① ② B7A-420
3/4"	3.35	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	25.4	D * F ① ② B7A-420
1"	3.62	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	26.5	E * F ① ② B7A-420
1-1/2"	4.84	8.25	13.10	6.25	5.60	3.12	3.75	1.50	EM310-30	31.0	G * F ① ② B7A-420
2"	5.59	8.25	13.45	6.25	5.95	3.12	3.75	2.00	EM310-30	35.0	H * F ① ② B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: TFM
- Max Temp: TFM Seats: 475°F

ELECTRIC ACTUATORS FEATURES

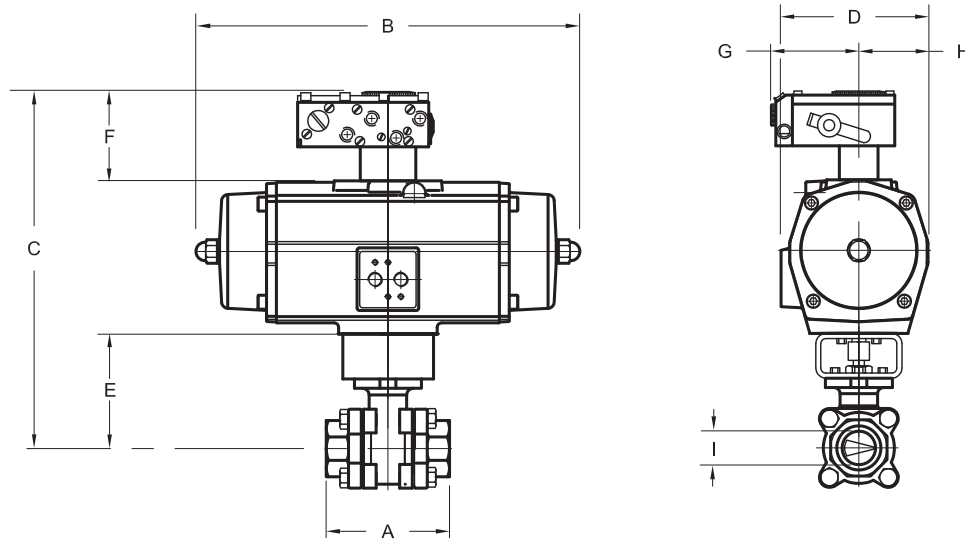
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- 1/2" NPT conduit connection
- CSA-NRTL/C and CE certified
- Temperature range: 0°F to 175°F

V200S / V300S ESR

V-Port 3-pc ball valve with double acting pneumatic actuator & positioner

(Threaded NPT (N), & Socket Weld (S) end connections) 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Cv	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S													
1/2"	2.84	8.03	12.31	3.78	4.54	4.09	3.50	1.46	.59	ES40	18	16.9	C* ①S ②E8S ③④
3/4"	3.35	9.80	12.88	4.19	4.66	4.09	3.50	1.93	.79	ES65	42	19.8	D* ①S ②E8S ③④
1"	3.62	9.80	13.27	4.19	5.05	4.09	3.50	1.93	.98	ES65	74	20.9	E* ①S ②E8S ③④
1-1/2"	4.84	10.51	14.34	4.60	5.60	4.09	3.50	2.12	1.50	ES100	210	27.6	G* ①S ②E8S ③④
2"	5.59	14.17	15.67	5.39	5.95	4.09	3.50	2.52	2.00	ES200	380	41.6	H* ①S ②E8S ③④
3"	7.95	15.24	17.94	7.12	6.72	4.09	3.50	3.41	3.00	ES350	890	79.3	J* ①S ②E8S ③④
4"	9.06	20.35	23.03	9.51	8.35	4.48	3.50	4.54	4.02	ES950	1620	155.6	K* ①S ②E8S ③④
60 psig Minimum Actuator Air Supply = 6S													
1/2"	2.84	8.03	12.31	3.78	4.54	4.09	3.50	1.70	.59	ES40	18	16.9	C* ①S ②E6S ③④
3/4"	3.35	9.80	12.88	4.19	4.66	4.09	3.50	1.93	.79	ES65	42	19.8	D* ①S ②E6S ③④
1"	3.62	10.51	13.79	4.60	5.05	4.09	3.50	2.12	.98	ES100	74	23.1	E* ①S ②E6S ③④
1-1/2"	4.84	14.17	15.11	5.39	5.60	4.09	3.50	2.52	1.50	ES200	210	37.6	G* ①S ②E6S ③④
2"	5.59	15.24	17.17	7.12	5.95	4.09	3.50	3.41	2.00	ES350	380	58.8	H* ①S ②E6S ③④
3"	7.95	18.78	19.86	8.52	6.72	4.48	3.50	4.08	3.00	ES600	890	102.8	J* ①S ②E6S ③④
4"	9.06	20.35	23.03	9.51	8.35	4.48	3.50	4.54	4.02	ES950	1620	155.6	K* ①S ②E6S ③④

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

③ C=Fail Close, O=Fail Open

④ Positioner: P5, E5, E5XP

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

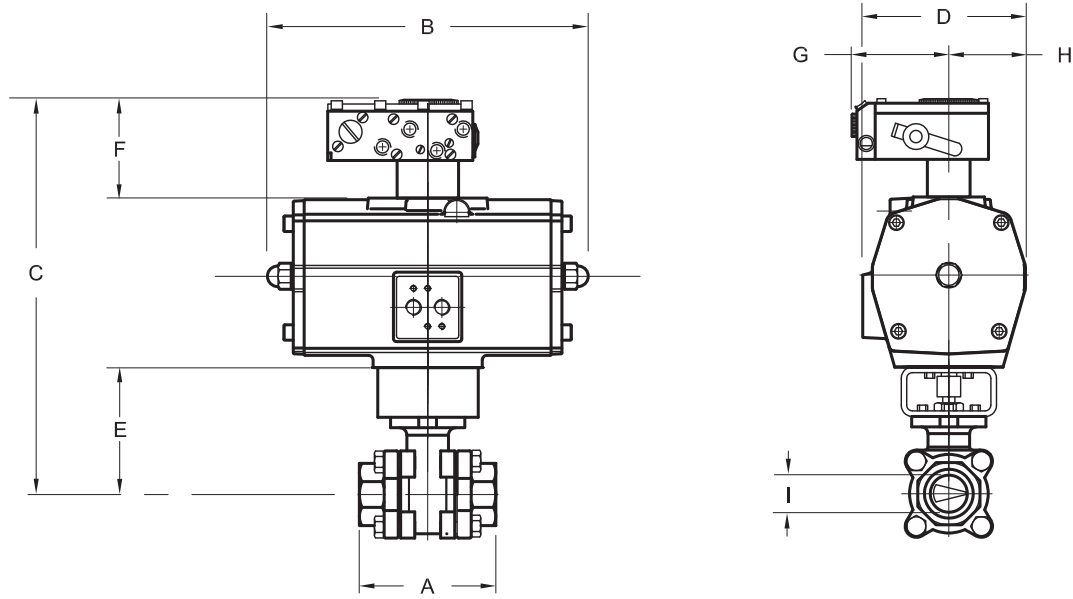
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V200S / V300S EDA

V-Port 3-pc ball valve with double acting pneumatic actuator & positioner

(Threaded NPT (N), & Socket Weld (S) end connections) 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Cv	Wt. (lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D													
1/2"	2.84	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	18	14.5	C* ①S②EBD ③
3/4"	3.35	6.26	11.90	3.26	4.66	4.09	3.50	1.46	.79	ED25	42	14.8	D* ①S②EBD ③
1"	3.62	6.26	12.29	3.26	5.05	4.09	3.50	1.46	.98	ED25	74	15.9	E* ①S②EBD ③
1-1/2"	4.84	7.09	13.35	3.78	5.60	4.09	3.50	1.70	1.50	ED40	210	21.5	G* ①S②EBD ③
2"	5.59	7.83	14.17	4.19	5.95	4.09	3.50	1.93	2.00	ED65	380	26.8	H* ①S②EBD ③
3"	7.95	11.14	16.44	5.39	6.72	4.09	3.50	2.52	3.00	ED200	890	54.8	J* ①S②EBD ③
4"	9.06	12.01	16.57	7.12	8.35	4.09	3.50	3.41	4.02	ED350	1620	93.4	K* ①S②EBD ③
60 psig Minimum Actuator Air Supply = 6D													
1/2"	2.84	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	18	14.5	C* ①S②E6D ③
3/4"	3.35	6.26	11.90	3.26	4.66	4.09	3.50	1.46	.79	ED25	42	14.8	D* ①S②E6D ③
1"	3.62	7.09	12.80	3.78	5.05	4.09	3.50	1.70	.98	ED40	74	17.0	E* ①S②E6D ③
1-1/2"	4.84	7.09	13.82	3.78	5.60	4.09	3.50	1.70	1.50	ED65	210	22.8	G* ①S②E6D ③
2"	5.59	8.70	14.69	4.60	5.95	4.09	3.50	2.12	2.00	ED100	380	28.3	H* ①S②E6D ③
3"	7.95	11.14	16.44	5.39	6.72	4.09	3.50	2.52	3.00	ED200	890	54.8	J* ①S②E6D ③
4"	9.06	12.01	16.57	7.12	8.35	4.09	3.50	3.41	4.02	ED350	1620	93.4	K* ①S②E6D ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

③ Positioner: P5, E5, E5XP

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

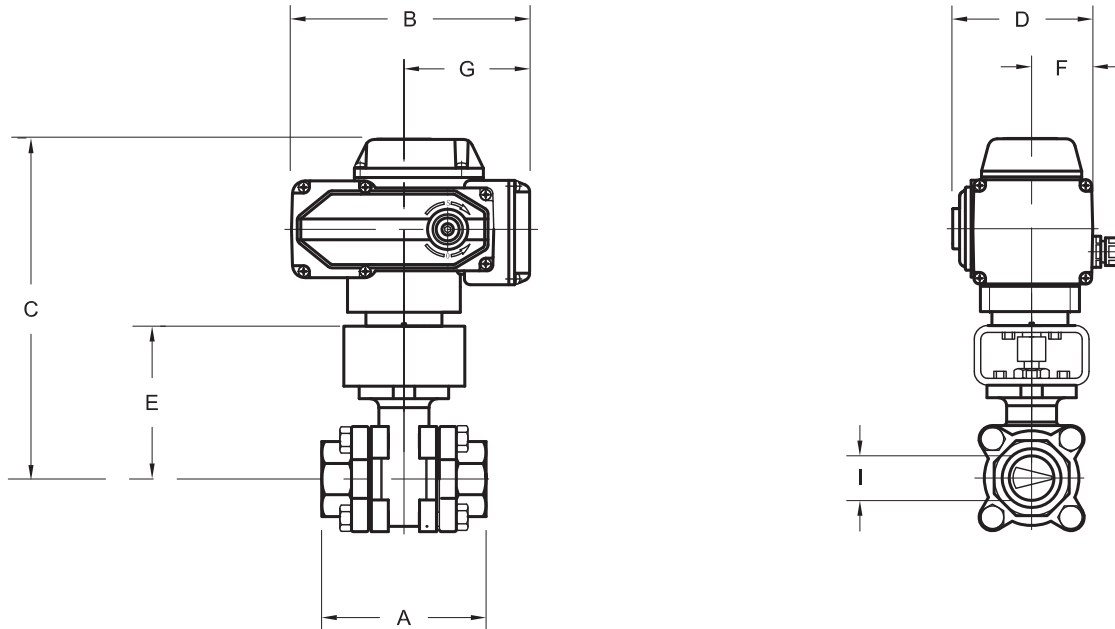
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V200S / V300S K4A-P420

V-Port 3-pc ball valve with electric actuator for throttling service

(Threaded NPT (N), & Socket Weld (S) end connections) 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	2.84	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	7.1	C* ①S②K4A-P420
3/4"	3.35	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	12.4	D* ①S②K4A-P420
1"	3.62	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	13.5	E* ①S②K4A-P420
1-1/2"	4.84	8.17	12.04	4.82	5.60	1.62	4.33	1.50	Nucom-10NS/30	23.0	G* ①S②K4A-P420
2"	5.59	10.10	12.39	6.16	5.95	2.46	5.25	2.00	Nucom-10NM/30	35.0	H* ①S②K4A-P420
3"	7.95	10.10	14.00	6.16	6.72	2.46	5.25	3.00	Nucom-10NM/30	55.5	J* ①S②K4A-P420
4"	9.06	15.00	17.56	9.53	8.35	4.13	7.85	4.02	Nucom-10NL/15	110.0	K* ①S②K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

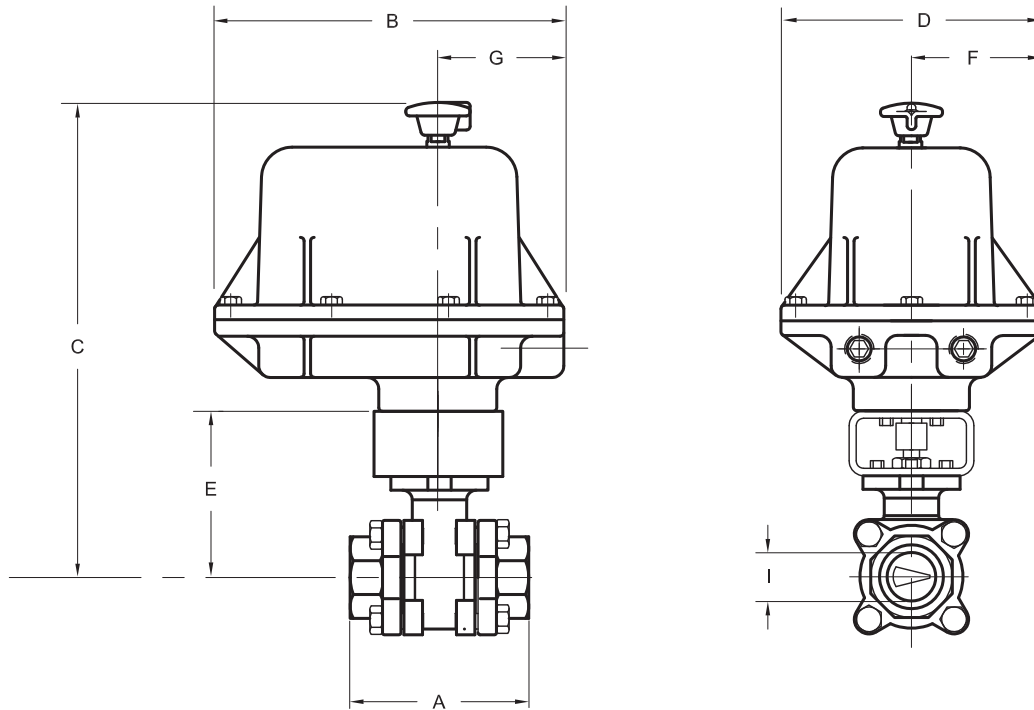
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V200S / V300S B7A-420 .5 - 1.5

V-Port 3-pc ball valve with electric actuator, NEMA 7, 120vac

(Threaded NPT (N), & Socket Weld (S) end connections) 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	2.84	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	25.1	C * F ① ② B7A-420
3/4"	3.35	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	25.4	D * F ① ② B7A-420
1"	3.62	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	26.5	E * F ① ② B7A-420
1-1/2"	4.84	8.25	13.10	6.25	5.60	3.12	3.75	1.50	EM310-30	31.0	G * F ① ② B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

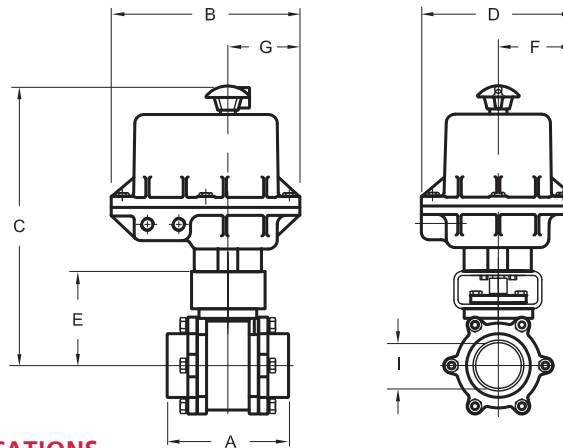
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Quarter turn: 0-90° rotation
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V200S / V300S B7A-420 2 - 4

V-Port 3-pc ball valve with electric actuator, NEMA 7, 120vac

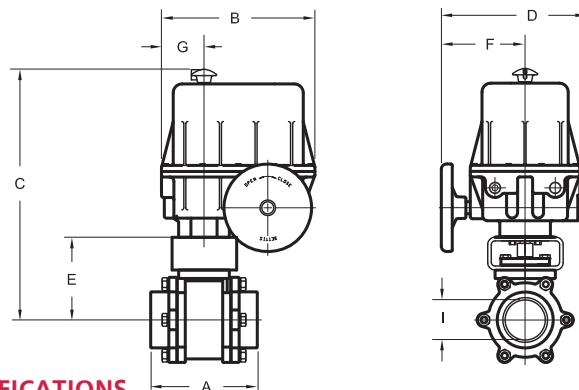
(Threaded NPT (N), & Socket Weld (S) end connections) 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
2"	5.59	8.25	16.16	6.25	5.95	3.12	3.75	2.00	EM500-15	55.5	H * F ① ② B7A-420
3"	7.95	8.25	16.16	6.25	6.72	3.12	3.75	3.00	EM500-30	55.5	J * F ① ② B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	9.06	14.00	23.72	13.31	8.35	7.62	3.88	4.00	EM810-18	226.0	K * F ① ② B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket for 3" valve and a 4" high bracket for the 4" valve

*V200 = Carbon Stl Body, 316SS Trim

*V300 = 316SS Body & Trim

① End Connections: N=NPT, S=Socket Weld

② Ball Drilling: (3) 30°, (6) 60°

V200 & V300 VALVE SPECIFICATIONS

- V-Port Carbon Stl (V200) or 316SS body (V300) w/316 ss Trim
- 1500 WOG / 150 WSP
- Secondary Metal Seat
- Secondary Media Containment
- Swing Out Body Design
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATORS FEATURES

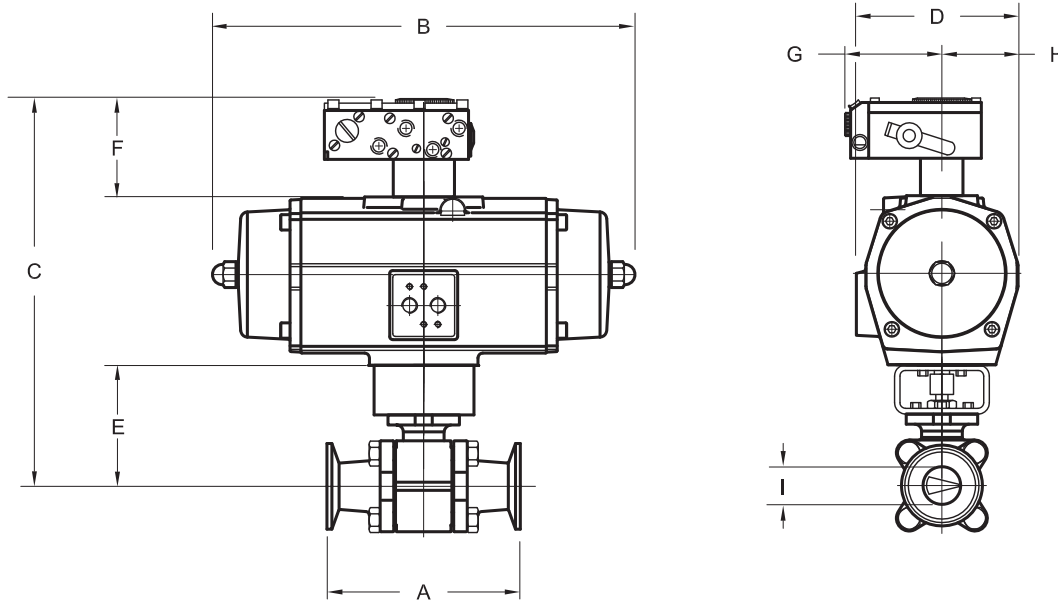
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V350T_ESR

3-pc ball valve with spring return pneumatic actuator & positioner

T-Clamp end connections w/PTFE Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	3.60	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.37	ES40	16.8	CV350T ①E8S ② ③
3/4"	4.11	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.62	ES40	17.8	DV350T ①E8S ② ③
1"	4.48	9.80	12.85	4.19	4.66	4.09	3.50	1.93	.87	ES65	21.4	EV350T ①E8S ② ③
1-1/2"	5.06	10.51	13.99	4.60	5.25	4.09	3.50	2.12	1.37	ES100	26.6	GV350T ①E8S ② ③
2"	5.75	14.17	15.67	5.39	5.95	4.09	3.50	2.52	1.87	ES200	39.6	HV350T ①E8S ② ③
3"	7.40	15.24	17.94	7.12	6.72	4.09	3.50	3.41	2.87	ES350	79.0	JV350T ①E8S ② ③
4"	8.76	20.35	23.03	9.51	8.35	4.48	3.50	4.54	3.83	ES950	154.6	KV350T ①E8S ② ③
60 psig Minimum Actuator Air Supply = 6S												
1/2"	3.60	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.37	ES40	16.8	CV350T ①E6S ② ③
3/4"	4.11	9.80	12.76	4.19	4.54	4.09	3.50	1.93	.62	ES65	20.4	DV350T ①E6S ② ③
1"	4.48	10.51	13.40	4.60	4.66	4.09	3.50	2.12	.87	ES100	23.6	EV350T ①E6S ② ③
1-1/2"	5.06	12.20	14.85	5.14	5.25	4.09	3.50	2.38	1.37	ES150	31.7	GV350T ①E6S ② ③
2"	5.75	15.24	17.17	7.12	5.95	4.09	3.50	3.41	1.87	ES350	56.8	HV350T ①E6S ② ③
3"	7.40	18.78	19.86	8.52	6.72	4.48	3.50	4.08	2.87	ES600	102.3	JV350T ①E6S ② ③
4"	8.76	25.08	24.52	10.81	8.35	4.48	3.50	5.21	3.83	ES1600	214.6	KV350T ①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

- ① Ball Drilling: (3) 30°, (6) 60°
- ② C=Fail Close, O=Fail Open
- ③ Positioner: P5, E5, E5XP

V350T VALVE SPECIFICATIONS

- Standard Finish Ra30-35 min
- True Bore Port Design - eliminates pooling traces of media
- Full Body Cavity Fillers
- C.I.P. Valves: Clean in Place
- Swing-Out Body Design
- Seats: PTFE
- Max Temp: PTFE seats: 425°F

PNEUMATIC ACTUATOR FEATURES

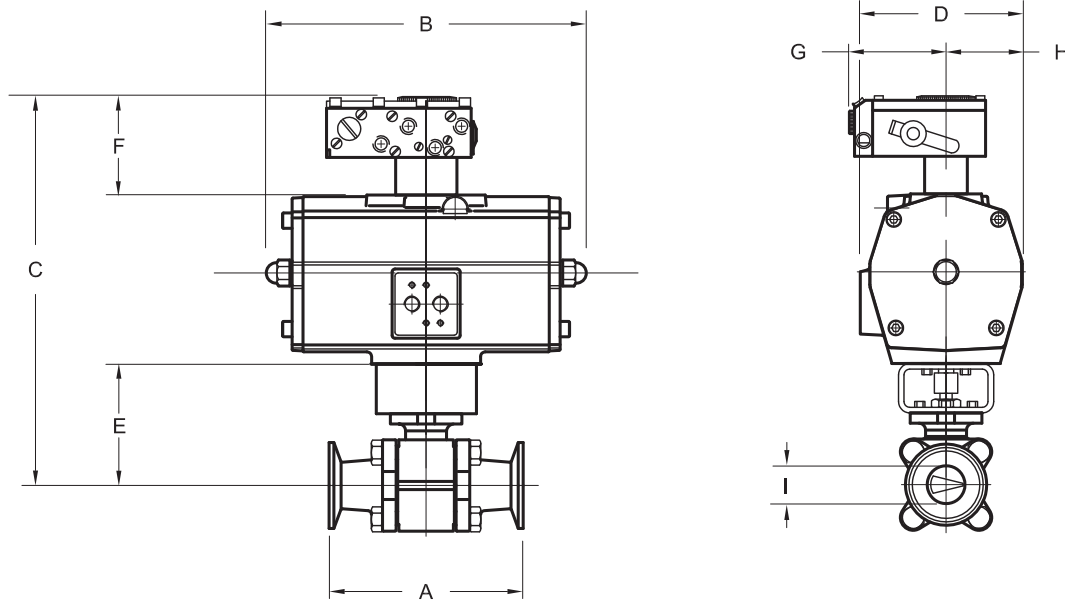
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V350T_EDA

3-pc ball valve with spring return pneumatic actuator & positioner

T-Clamp end connections w/PTFE Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
1/2"	3.60	8.03	12.29	3.78	4.54	4.09	3.50	1.46	.37	ED25	14.4	CV350T ①E8D ②
3/4"	4.11	8.03	12.29	3.78	4.54	4.09	3.50	1.46	.62	ED25	15.4	DV350T ①E8D ②
1"	4.48	9.80	12.85	4.19	4.66	4.09	3.50	1.46	.87	ED25	16.4	EV350T ①E8D ②
1-1/2"	5.06	10.51	13.99	4.60	5.25	4.09	3.50	1.70	1.37	ED40	20.5	GV350T ①E8D ②
2"	5.75	14.17	15.67	5.39	5.95	4.09	3.50	1.93	1.87	ED65	24.8	HV350T ①E8D ②
3"	7.40	15.24	17.94	7.12	6.72	4.09	3.50	2.38	2.87	ED150	52.0	JV350T ①E8D ②
4"	8.76	20.35	23.03	9.51	8.35	4.09	3.50	3.41	3.83	ED350	92.4	KV350T ①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
1/2"	3.60	8.03	12.29	3.78	4.54	4.09	3.50	1.46	.37	ED25	14.4	CV350T ①E6D ②
3/4"	4.11	9.80	12.76	4.19	4.54	4.09	3.50	1.46	.62	ED25	15.4	DV350T ①E6D ②
1"	4.48	10.51	13.40	4.60	4.66	4.09	3.50	1.70	.87	ED40	17.5	EV350T ①E6D ②
1-1/2"	5.06	12.20	14.85	5.14	5.25	4.09	3.50	1.93	1.37	ED65	21.8	GV350T ①E6D ②
2"	5.75	15.24	17.17	7.12	5.95	4.09	3.50	2.12	1.87	ED100	26.3	HV350T ①E6D ②
3"	7.40	18.78	19.86	8.52	6.72	4.09	3.50	2.52	2.87	ED200	54.3	JV350T ①E6D ②
4"	8.76	25.08	24.52	10.81	8.35	4.48	3.50	4.08	3.83	ED600	112.3	KV350T ①E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

① Ball Drilling: (3) 30°, (6) 60°
 ② Positioner: P5, E5, E5XP

V350T VALVE SPECIFICATIONS

- Standard Finish Ra30-35 min
- True Bore Port Design - eliminates pooling traces of media
- Full Body Cavity Fillers
- C.I.P. Valves: Clean in Place
- Swing-Out Body Design
- Seats: PTFE
- Max Temp: PTFE seats: 425°F

PNEUMATIC ACTUATOR FEATURES

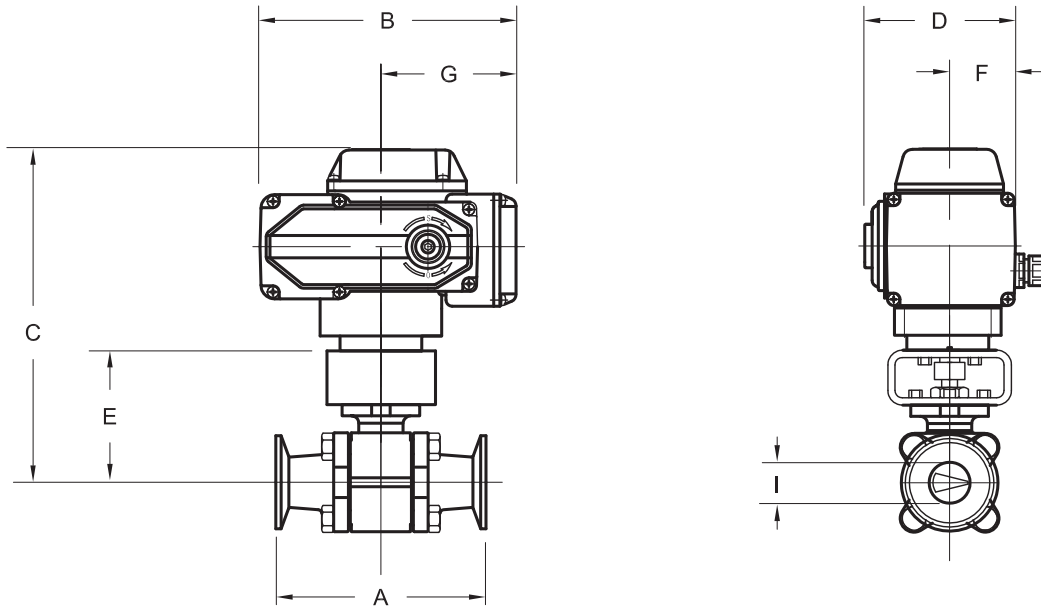
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V350T_K4A P420 .5 - 2

3-pc ball valve with electric actuator for throttling service

T-Clamp end connections w/PTFE Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	3.60	6.24	9.25	4.51	4.54	2.00	2.99	.37	Nucom Z	7.0	CV350T ① K4A-P420
3/4"	4.11	6.24	9.25	4.51	4.54	2.00	2.99	.62	Nucom Z	7.0	DV350T ① K4A-P420
1"	4.48	8.17	11.10	4.82	4.66	1.62	4.33	.87	Nucom-10NS/30	14.0	EV350T ① K4A-P420
1-1/2"	5.06	8.17	11.69	4.82	5.25	1.62	4.33	1.37	Nucom-10NS/30	17.0	GV350T ① K4A-P420
2"	5.75	10.10	13.23	6.16	5.95	2.46	5.25	1.87	Nucom-10NM/30	28.0	HV350T ① K4A-P420
3"	7.40	10.10	14.00	6.16	6.72	2.46	5.25	2.87	Nucom-10NM/30	50.0	JV350T ① K4A-P420
4"	8.76	15.00	17.56	9.53	8.35	4.13	7.85	3.83	Nucom-10NL/15	99.0	KV350T ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket sizes 1/2" - 3" and a 4" high mounting bracket on 4" valve

① Ball Drilling: (3) 30°, (6) 60°

V350T VALVE SPECIFICATIONS

- Standard Finish Ra30-35 min
- True Bore Port Design - eliminates pooling traces of media
- Full Body Cavity Fillers
- C.I.P. Valves: Clean in Place
- Swing Out Body Design
- Seats: PTFE
- Max Temp: PTFE seats: 425°F

ELECTRIC ACTUATORS FEATURES

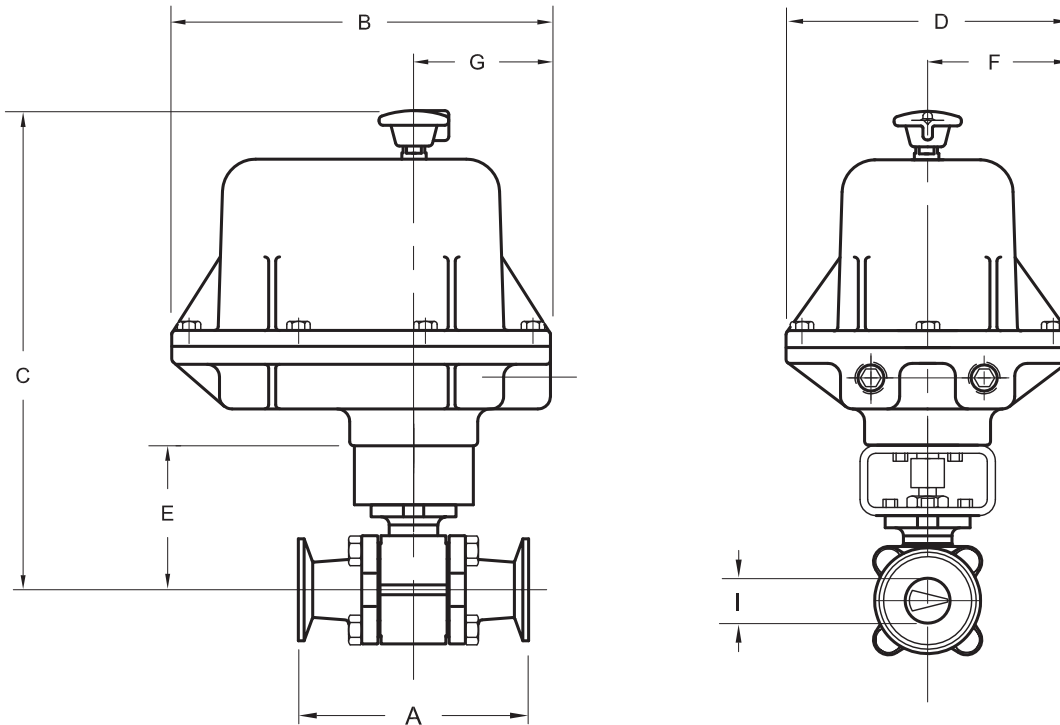
- K Series electric actuator
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified

V350T_B7A-420 .5 - 2

3-pc ball valve with electric actuator, NEMA 7, 120vac

T-Clamp end connections w/PTFE seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	3.60	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	33.0	CV350T ① B7A-420
3/4"	4.11	8.25	12.16	6.25	4.54	3.12	3.75	.79	EM310-30	26.0	DV350T ① B7A-420
1"	4.48	8.25	12.55	6.25	4.66	3.12	3.75	.98	EM310-30	27.0	EV350T ① B7A-420
1-1/2"	5.06	8.25	13.10	6.25	5.25	3.12	3.75	1.50	EM310-30	30.0	GV350T ① B7A-420
2"	5.75	8.25	13.45	6.25	5.95	3.12	3.75	2.00	EM310-30	33.0	HV350T ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

① Ball Drilling: (3) 30°, (6) 60°

V350T VALVE SPECIFICATIONS

- Standard Finish Ra30-35 min
- True Bore Port Design - eliminates pooling traces of media
- Full Body Cavity Fillers
- C.I.P. Valves: Clean in Place
- Swing Out Body Design
- Seats: PTFE
- Max Temp: PTFE seats: 425°F

ELECTRIC ACTUATOR FEATURES

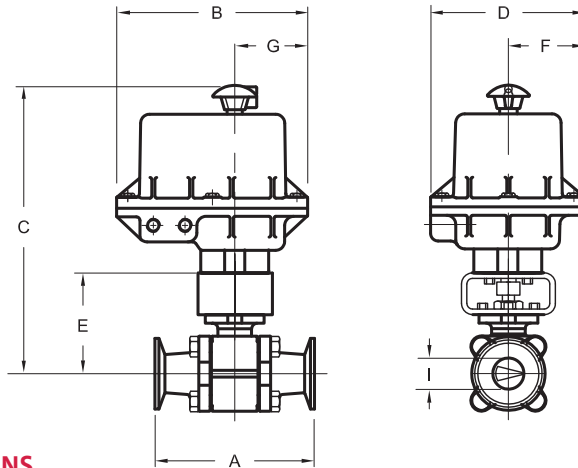
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Quarter turn: 0-90° rotation
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V350T B7A-420 3 - 4

3-pc ball valve with electric actuator, NEMA 7, 120vac

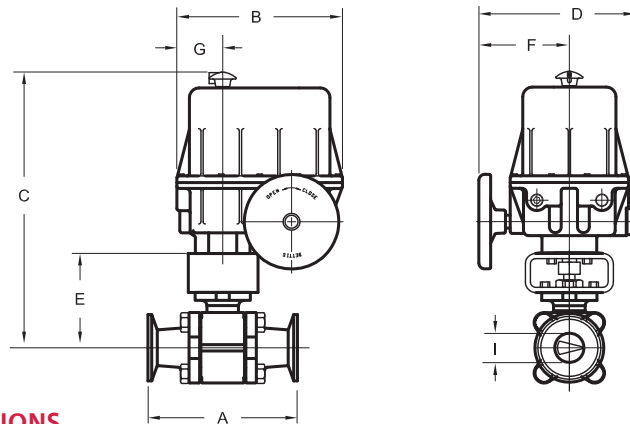
T-Clamp end connections w/PTFE Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	7.40	8.25	16.16	6.25	6.72	3.12	3.75	2.87	EM500-30	55.5	JV350T ① B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	8.76	14.00	23.73	13.31	8.35	7.62	3.88	3.83	EM810-18	225.0	KV350T ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket for 3" valve and a 4" high bracket for the 4" valve

① Ball Drilling: (3) 30°, (6) 60°

V350T VALVE SPECIFICATIONS

- Standard Finish: Ra30-35 min
- True Bore Port Design - eliminates pooling traces of media
- Full Body cavity fillers
- C.I.P. Valves: Clean in Place
- Swing Out Body Design
- Seats: PTFE
- Max Temp: PTFE: 425°F

ELECTRIC ACTUATORS FEATURES

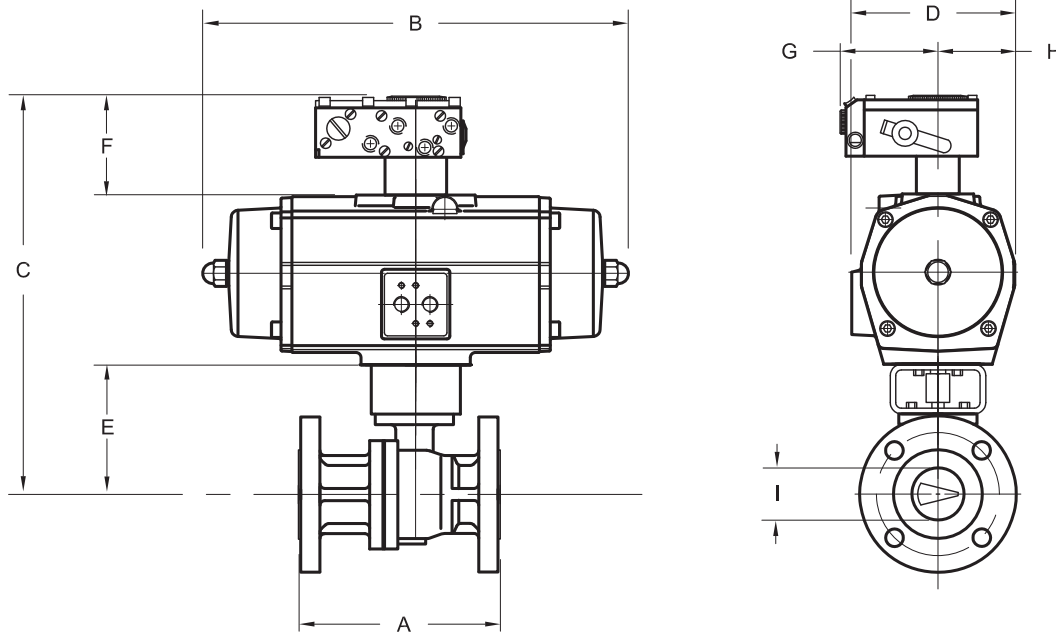
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V150F_F ESR .5 - 2

V-Port ball valve with spring return pneumatic actuator & positioner

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	4.25	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	18.8	CV150F * F ①EBS ② ③
3/4"	4.62	8.03	12.45	3.78	4.70	4.09	3.50	1.70	.79	ES40	19.8	DV150F * F ①EBS ② ③
1"	5.00	8.03	12.81	3.78	5.06	4.09	3.50	1.93	.98	ES40	22.3	EV150F * F ①EBS ② ③
1-1/2"	6.50	10.51	14.39	4.60	5.65	4.09	3.50	2.12	1.50	ES100	34.1	GV150F * F ①EBS ② ③
2"	7.00	14.17	15.62	5.39	5.90	4.09	3.50	2.52	1.97	ES200	50.6	HV150F * F ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
1/2"	4.25	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	18.8	CV150F * F ①E6S ② ③
3/4"	4.62	9.80	12.92	4.19	4.70	4.09	3.50	1.93	.79	ES65	22.4	DV150F * F ①E6S ② ③
1"	5.00	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	24.9	EV150F * F ①E6S ② ③
1-1/2"	6.50	14.17	15.37	5.39	5.65	4.09	3.50	2.52	1.50	ES200	44.1	GV150F * F ①E6S ② ③
2"	7.00	14.17	15.62	5.39	5.90	4.09	3.50	2.52	1.97	ES200	50.6	HV150F * F ①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

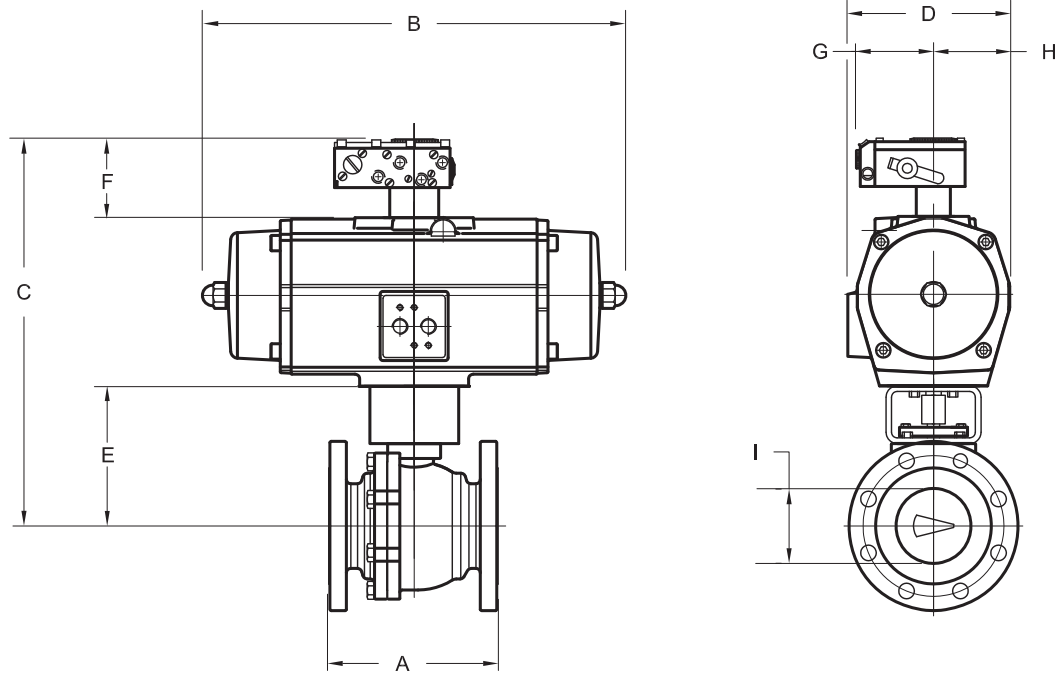
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_F ESR 3 - 8

V-Port ball valve with spring return pneumatic actuator & positioner

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
3"	8.00	15.24	17.89	7.12	6.67	4.09	3.50	3.41	3.00	ES350	89.3	JV150F * F ①EBS ② ③
4"	9.00	18.78	21.54	8.52	8.40	4.48	3.50	4.08	4.00	ES600	137.3	KV150F * F ①EBS ② ③
6"	15.50	25.08	27.37	10.81	11.20	4.48	3.50	5.21	5.98	ES1600	324.6	MV150F * F ①EBS ② ③
8"	18.00	32.83	31.04	15.35	11.60	4.48	3.50	7.48	7.87	PS4000	567.5	NV150F * F ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
3"	8.00	18.78	19.81	8.52	6.67	4.48	3.50	4.08	3.00	ES600	112.8	JV150F * F ①E6S ② ③
4"	9.00	18.78	21.54	8.52	8.40	4.48	3.50	4.08	4.00	ES600	137.3	KV150F * F ①E6S ② ③
6"	15.50	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	373.5	MV150F * F ①E6S ② ③
8"	18.00	32.83	31.04	15.35	11.60	4.48	3.50	7.48	7.87	PS4000	567.5	NV150F * F ①E6S ② ③

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4"- 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

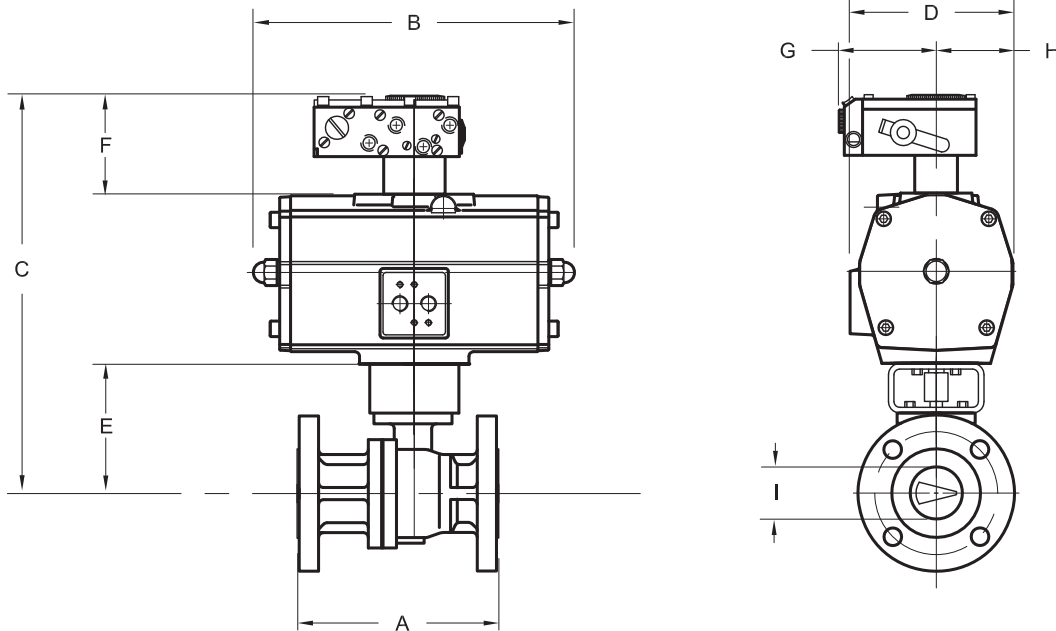
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_F EDA .5 - 2

V-Port ball valve with spring return pneumatic actuator & positioner

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
1/2"	4.25	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	16.4	CV150F * F ① E8D ②
3/4"	4.62	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	17.4	DV150F * F ① E8D ②
1"	5.00	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	19.9	EV150F * F ① E8D ②
1-1/2"	6.50	7.09	13.40	3.78	5.65	4.09	3.50	1.70	1.50	ED40	28.0	GV150F * F ① E8D ②
2"	7.00	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	35.8	HV150F * F ① E8D ②
60 psig Minimum Actuator Air Supply = 6D												
1/2"	4.25	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	16.4	CV150F * F ① E6D ②
3/4"	4.62	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	17.4	DV150F * F ① E6D ②
1"	5.00	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	19.9	EV150F * F ① E6D ②
1-1/2"	6.50	7.83	13.40	4.19	5.65	4.09	3.50	1.93	1.50	ED65	29.3	GV150F * F ① E6D ②
2"	7.00	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	35.8	HV150F * F ① E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

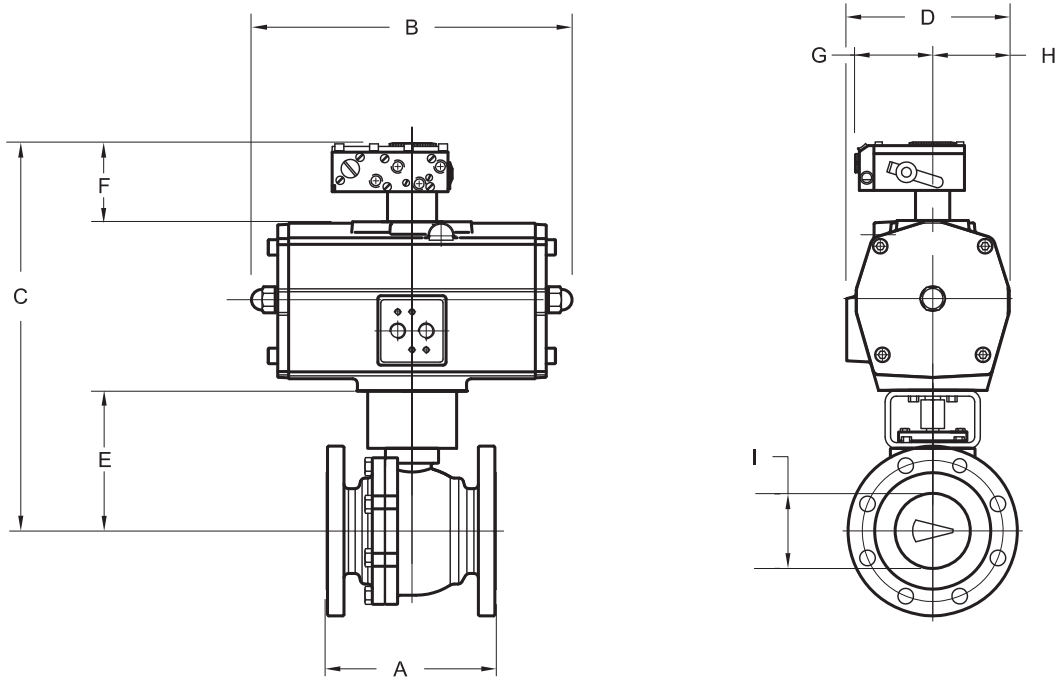
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_F EDA 3 - 8

V-Port ball valve with double acting pneumatic actuator & positioner

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
3"	8.00	8.70	15.41	4.60	6.67	4.09	3.50	2.12	3.00	ED100	58.8	JV150F * F ① E8D ②
4"	9.00	11.14	18.12	5.39	8.40	4.09	3.50	2.52	4.00	ED200	89.3	KV150F * F ① E8D ②
6"	15.50	15.24	24.34	8.52	11.20	4.48	3.50	4.08	5.98	ED600	222.3	MV150F * F ① E8D ②
8"	18.00	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	370.6	NV150F * F ① E8D ②
60 psig Minimum Actuator Air Supply = 6D												
3"	8.00	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	64.8	JV150F * F ① E6D ②
4"	9.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	99.4	KV150F * F ① E6D ②
6"	15.50	16.69	25.88	9.51	11.20	4.48	3.50	4.54	5.98	ED950	237.7	MV150F * F ① E6D ②
8"	18.00	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	370.6	NV150F * F ① E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

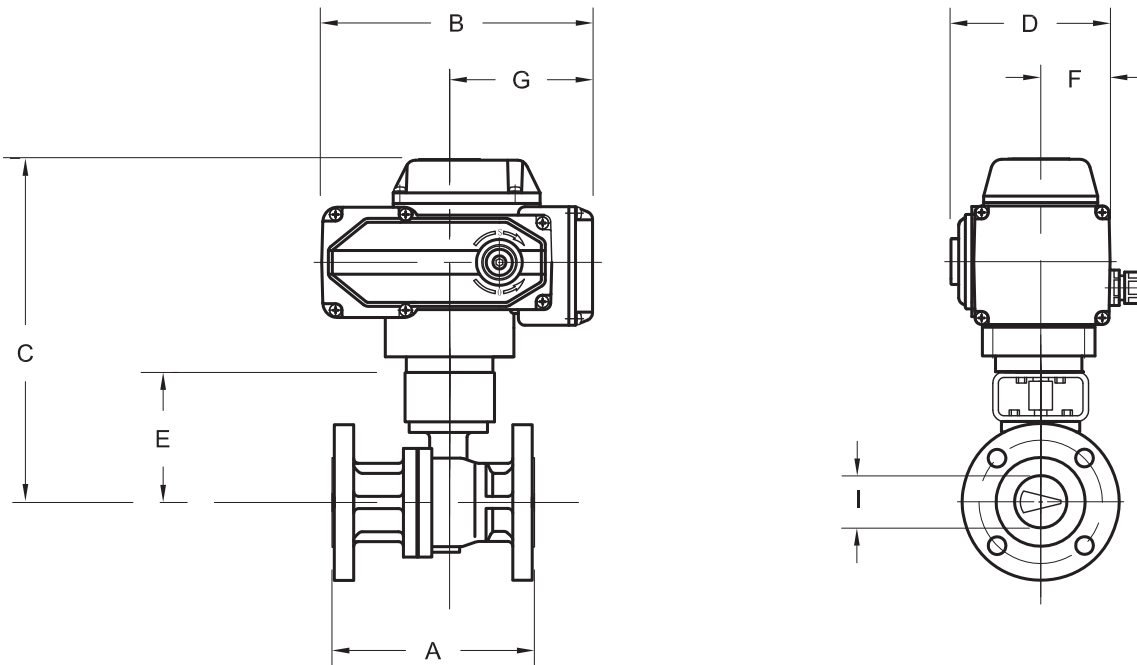
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_F K4A-P420 .5 - 2

V-Port ball valve with electric actuator for throttling service

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	4.25	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	14.0	CV150F * F ① K4A-P420
3/4"	4.62	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	15.0	DV150F * F ① K4A-P420
1"	5.00	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	17.5	EV150F * F ① K4A-P420
1-1/2"	6.50	8.17	12.09	4.82	5.65	2.14	4.33	1.50	Nucom-10NS/30	29.5	GV150F * F ① K4A-P420
2"	7.00	8.17	12.39	4.82	5.90	2.14	4.33	1.97	Nucom-10NS/30	36.0	HV150F * F ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

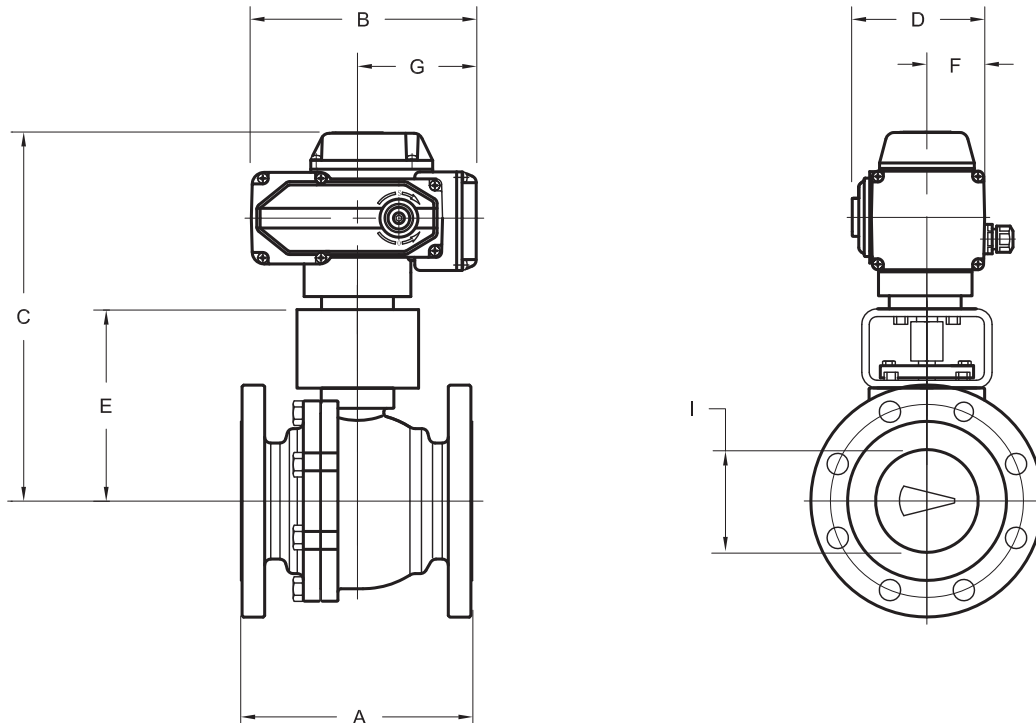
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V150F_F K4A-P420 3 - 8

V-Port ball valve with electric actuator for throttling service

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	8.00	10.10	13.95	6.16	6.67	2.46	5.25	3.00	Nucom-10NM/30	65.5	JV150F * F ① K4A-P420
4"	9.00	10.10	15.68	6.16	8.40	2.46	5.25	4.00	Nucom-10NM/30	90.0	KV150F * F ① K4A-P420
6"	15.50	15.00	20.41	9.53	11.20	4.13	7.85	5.98	Nucom-10NL/150	219.0	MV150F * F ① K4A-P420
8"	18.00	15.00	20.81	9.53	11.60	4.13	7.85	7.87	Nucom-10NL/150	316.0	NV150F * F ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

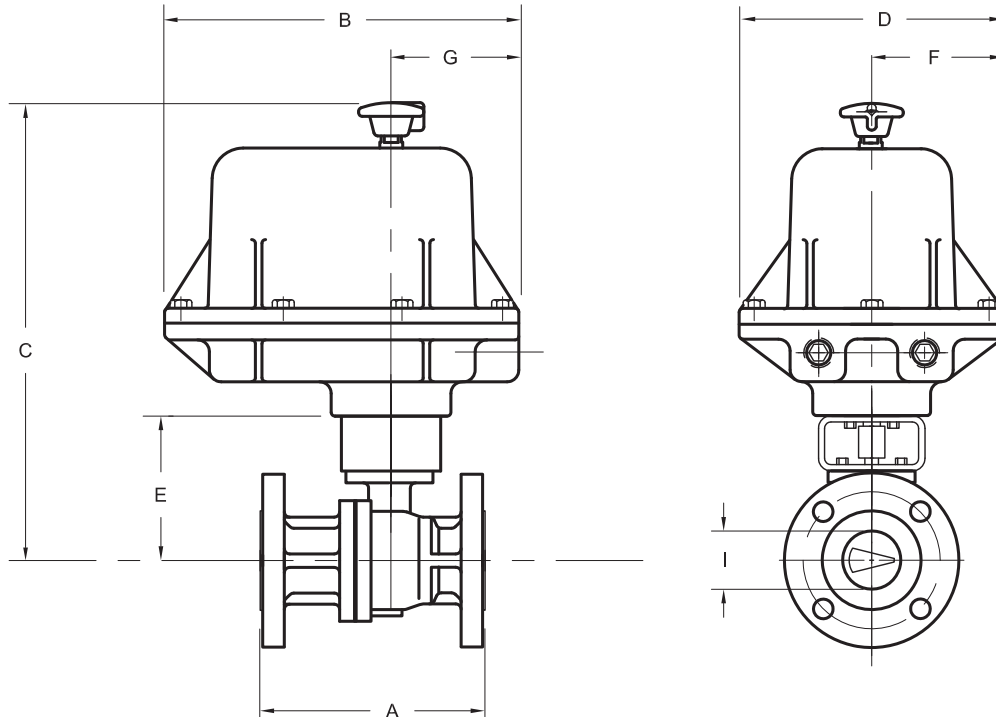
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V150F_F B7A-420 .5 - 2

V-Port ball valve with electric actuator, NEMA 7, 120vac

150# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	4.25	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	27.0	CV150F * F ① B7A-20
3/4"	4.62	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	28.0	DV150F * F ① B7A-20
1"	5.00	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	30.5	EV150F * F ① B7A-20
1-1/2"	6.50	8.25	13.10	6.25	5.65	3.12	3.75	1.50	EM310-30	37.5	GV150F * F ① B7A-20
2"	7.00	8.25	13.40	6.25	5.90	3.12	3.75	1.97	EM310-30	44.0	HV150F * F ① B7A-20

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

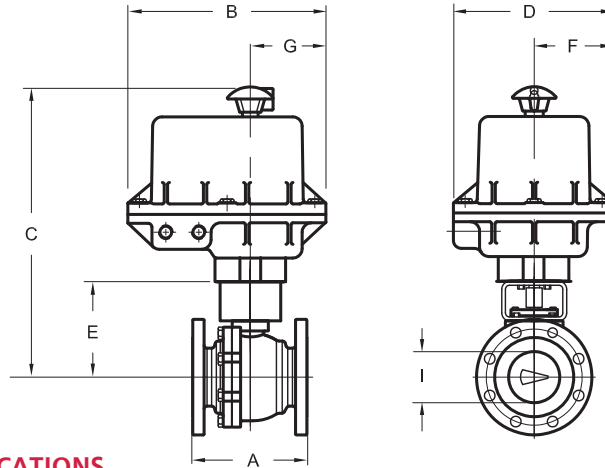
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V150F_F B7A-420 3 - 8

V-Port ball valve with electric actuator, NEMA 7, 120vac

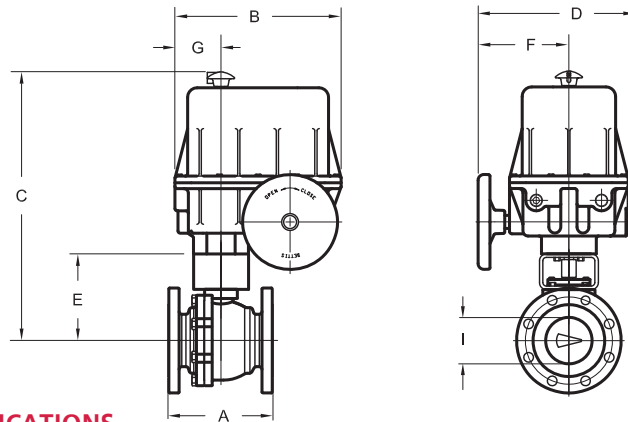
150# Flanged 2-pc body TFM seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	8.00	8.25	16.11	6.25	6.67	3.12	3.75	3.00	EM500-30	65.5	JV150F * F ①② B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	9.00	14.00	23.73	13.31	8.40	7.62	3.88	4.00	EM810-30	297.5	KV150F * F ①② B7A-420
6"	15.50	14.00	23.73	13.31	11.20	7.62	3.88	5.98	EM820-30	335.0	MV150F * F ①② B7A-420
8"	18.00	14.00	23.73	13.31	11.60	7.62	3.88	7.87	EM840-48	432.0	NV150F * F ①② B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

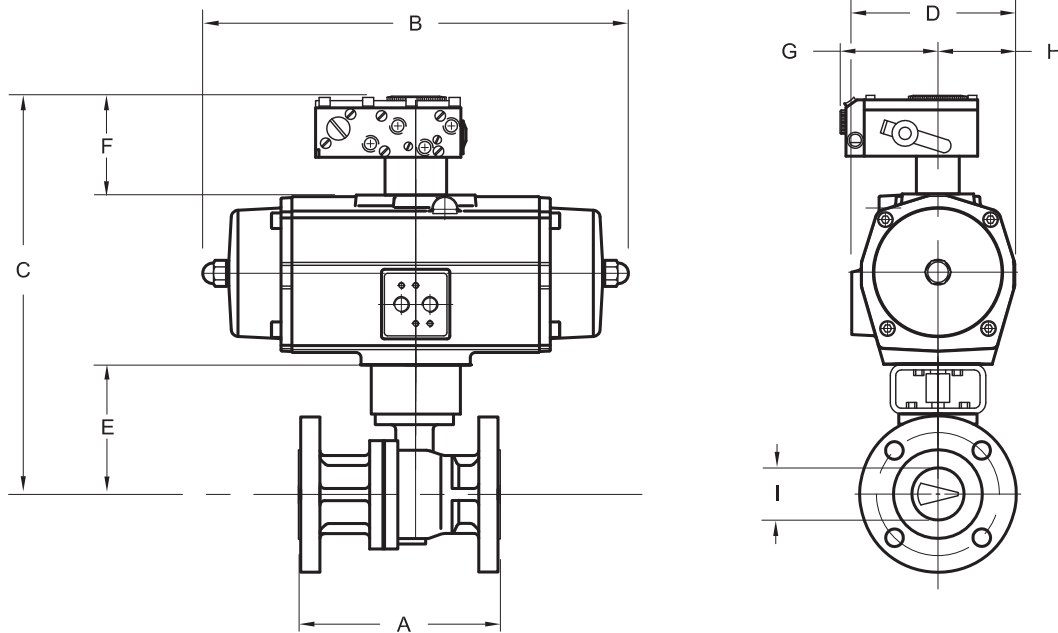
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V150F_S ESR .5 - 2

V-Port ball valve with spring return pneumatic actuator & positioner

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	4.25	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	18.8	CV150F * S ①E8S ② ③
3/4"	4.62	8.03	12.45	3.78	4.70	4.09	3.50	1.70	.79	ES40	19.8	DV150F * S ①E8S ② ③
1"	5.00	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	24.9	EV150F * S ①E8S ② ③
1-1/2"	6.50	14.17	15.37	5.39	5.65	4.09	3.50	2.52	1.50	ES200	44.1	GV150F * S ①E8S ② ③
2"	7.00	14.17	15.62	5.39	5.90	4.09	3.50	2.52	1.97	ES200	50.6	HV150F * S ①E8S ② ③
60 psig Minimum Actuator Air Supply = 6S												
1/2"	4.25	6.77	12.76	3.26	4.54	4.09	3.50	1.93	.59	ES65	21.4	CV150F * S ①E6S ② ③
3/4"	4.62	8.03	12.92	3.78	4.70	4.09	3.50	1.93	.79	ES65	22.4	DV150F * S ①E6S ② ③
1"	5.00	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	24.9	EV150F * S ①E6S ② ③
1-1/2"	6.50	10.51	15.37	4.60	5.65	4.09	3.50	2.52	1.50	ES200	44.1	GV150F * S ①E6S ② ③
2"	7.00	14.17	17.12	5.39	5.90	4.09	3.50	3.41	1.97	ES350	67.8	HV150F * S ①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

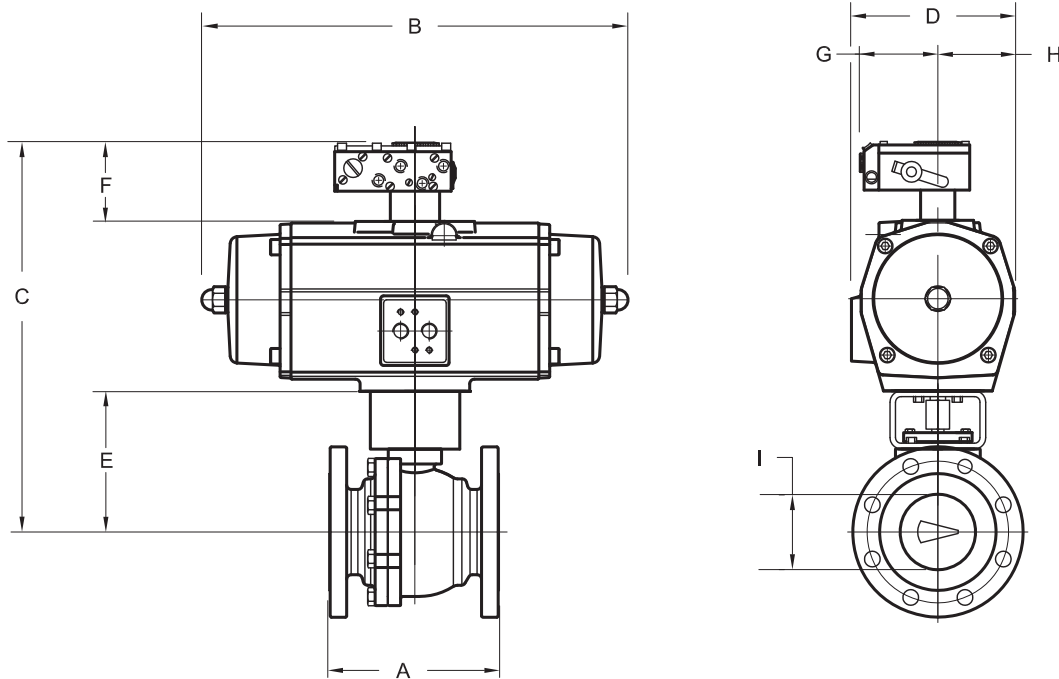
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_S ESR 3 - 8

V-Port ball valve with spring return pneumatic actuator & positioner

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
3"	8.00	15.24	17.89	7.12	6.67	4.09	3.50	3.41	3.00	ES350	89.3	JV150F * S ①EBS ② ③
4"	9.00	20.35	23.08	9.51	8.40	4.48	3.50	4.54	4.00	ES950	161.6	KV150F * S ①EBS ② ③
6"	15.50	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	373.5	MV150F * S ①EBS ② ③
8"	18.00	32.83	31.04	15.35	11.60	4.48	3.50	7.48	7.87	PS4000	567.5	NV150F * S ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
3"	8.00	18.78	19.81	8.52	6.67	4.48	3.50	4.08	3.00	ES600	112.8	JV150F * S ①E6S ② ③
4"	9.00	20.35	23.08	9.51	8.40	4.48	3.50	4.54	4.00	ES950	161.6	KV150F * S ①E6S ② ③
6"	15.50	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	373.5	MV150F * S ①E6S ② ③
8"										N/A		

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

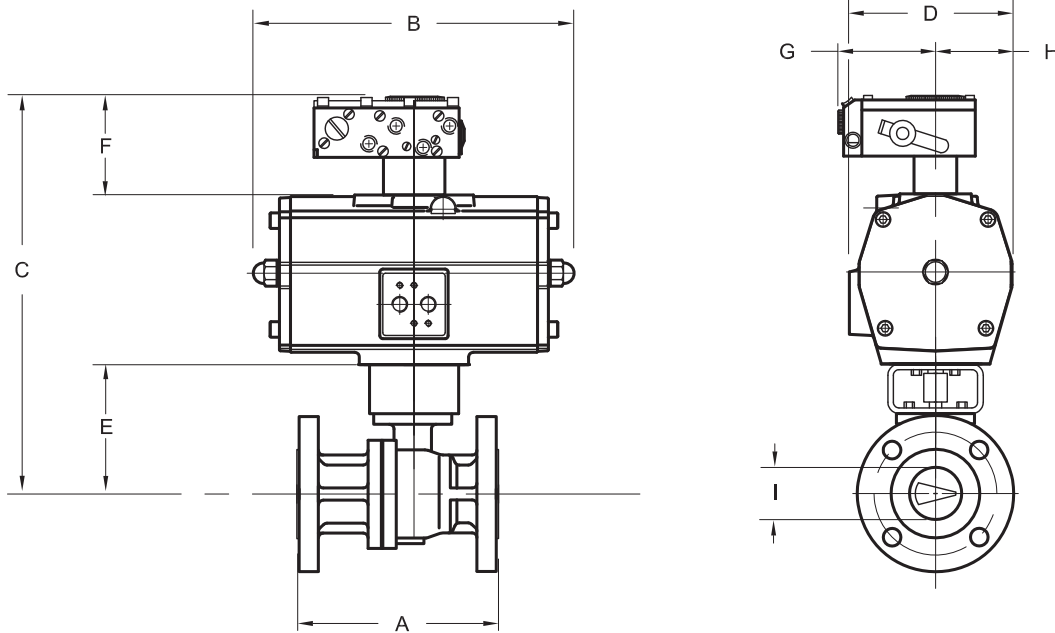
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_S EDA .5 - 2

V-Port ball valve with double acting pneumatic actuator & positioner

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
1/2"	4.25	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	16.4	CV150F * S ① E8D ②
3/4"	4.62	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	17.4	DV150F * S ① E8D ②
1"	5.00	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	19.9	EV150F * S ① E8D ②
1-1/2"	6.50	7.83	13.87	4.19	5.65	4.09	3.50	1.93	1.50	ED65	29.3	GV150F * S ① E8D ②
2"	7.00	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	35.8	HV150F * S ① E8D ②
60 psig Minimum Actuator Air Supply = 6D												
1/2"	4.25	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	16.4	CV150F * S ① E6D ②
3/4"	4.62	6.26	11.94	3.26	4.70	4.09	3.50	1.70	.79	ED25	17.4	DV150F * S ① E6D ②
1"	5.00	6.26	12.30	3.26	5.06	4.09	3.50	1.93	.98	ED25	19.9	EV150F * S ① E6D ②
1-1/2"	6.50	7.83	13.87	4.19	5.65	4.09	3.50	1.93	1.50	ED65	29.3	GV150F * S ① E6D ②
2"	7.00	8.70	14.64	4.60	5.90	4.09	3.50	2.12	1.97	ED100	37.3	HV150F * S ① E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

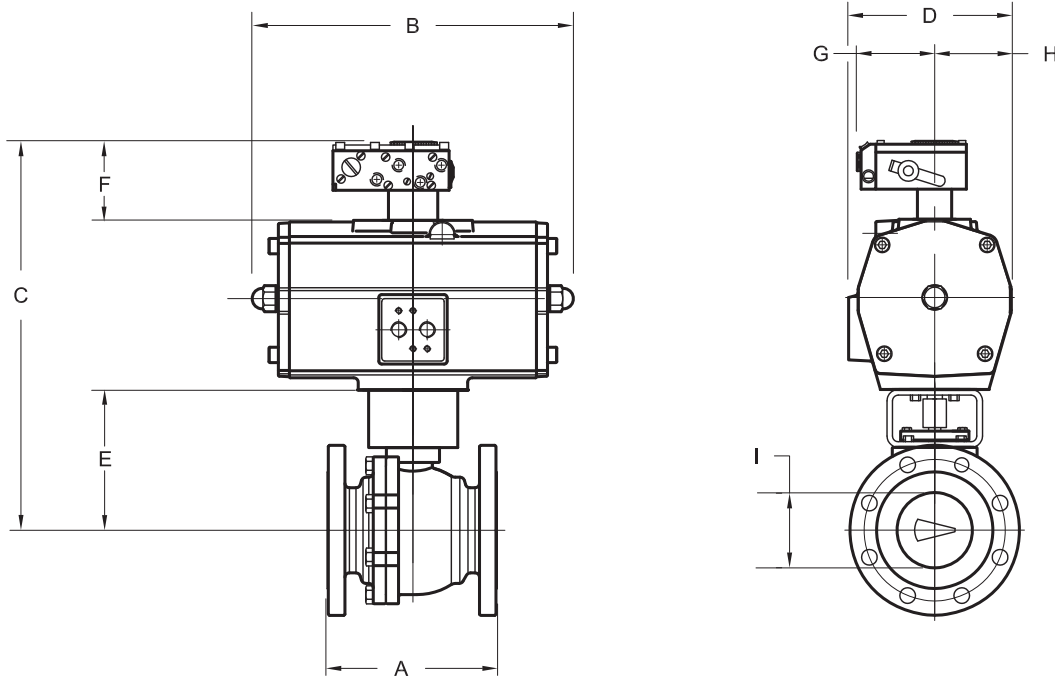
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_S EDA 3 - 8

V-Port ball valve with double acting pneumatic actuator & positioner

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
3"	8.00	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	64.8	JV150F * S ①E8D ②
4"	9.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	99.4	KV150F * S ①E8D ②
6"	15.50	16.69	25.88	9.51	11.20	4.48	3.50	4.54	5.98	ED950	237.7	MV150F * S ①E8D ②
8"	18.00	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	370.6	NV150F * S ①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
3"	8.00	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	64.8	JV150F * S ①E6D ②
4"	9.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	99.4	KV150F * S ①E6D ②
6"	15.50	20.31	27.37	10.81	11.20	4.48	3.50	5.21	5.98	ED1600	273.6	MV150F * S ①E6D ②
8"	18.00	14.88	30.10	14.17	11.60	4.48	3.50	6.89	7.87	PD2500	401.5	MV150F * S ①E6D ②

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

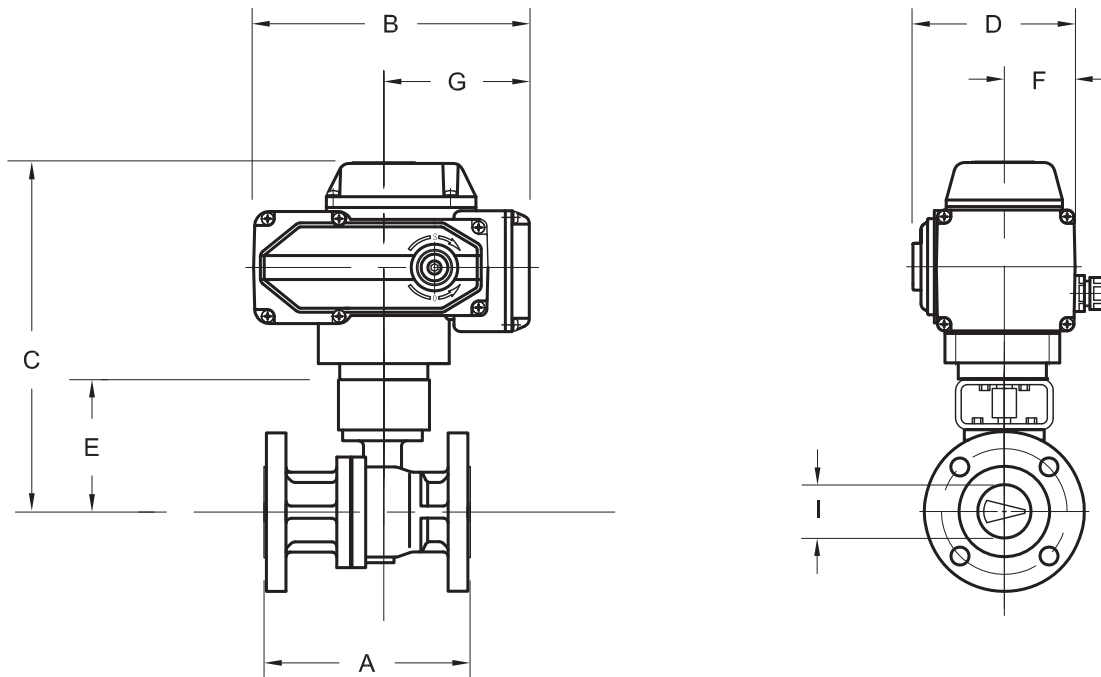
- E & P Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V150F_S K4A-P420 .5 - 2

V-Port ball valve with electric actuator for throttling service

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	4.25	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	14.0	CV150F * S ① K4A-P420
3/4"	4.62	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	15.0	DV150F * S ① K4A-P420
1"	5.00	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	17.5	EV150F * S ① K4A-P420
1-1/2"	6.50	8.17	12.09	4.82	5.65	1.62	4.33	1.50	Nucom-10NS/30	29.5	GV150F * S ① K4A-P420
2"	7.00	10.10	13.16	6.16	5.90	2.46	5.25	1.97	Nucom-10NM/30	44.0	HV150F * S ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

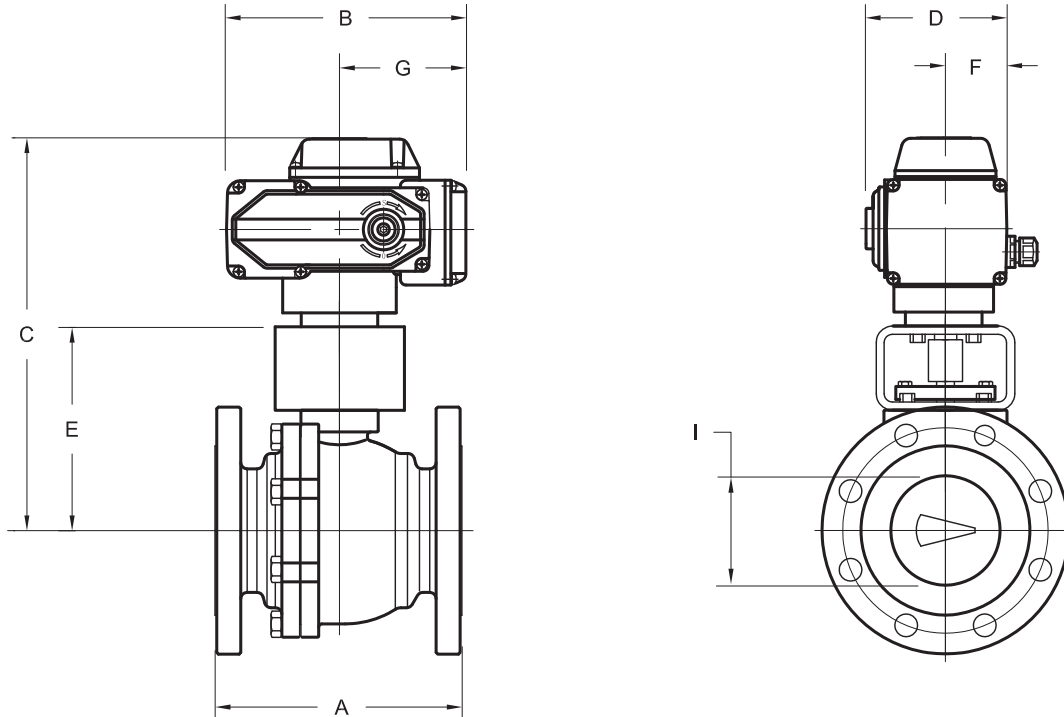
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual Position Indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V150F_S K4A-P420 3 - 8

V-Port ball valve with electric actuator for throttling service

150# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	8.00	10.10	13.95	6.16	6.67	2.46	5.25	3.00	Nucom-10NM/30	65.5	JV150F * S ① K4A-P420
4"	9.00	15.00	17.61	9.53	8.40	4.13	7.85	4.00	Nucom-10NL/30	90.0	KV150F * S ① K4A-P420
6"	15.50	15.00	20.41	9.53	11.20	4.13	7.85	5.98	Nucom-10NL/100	219.0	MV150F * S ① K4A-P420
8"	18.00	15.00	20.81	9.53	11.60	4.13	7.85	7.87	Nucom-10NL/200	316.0	NV150F * S ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

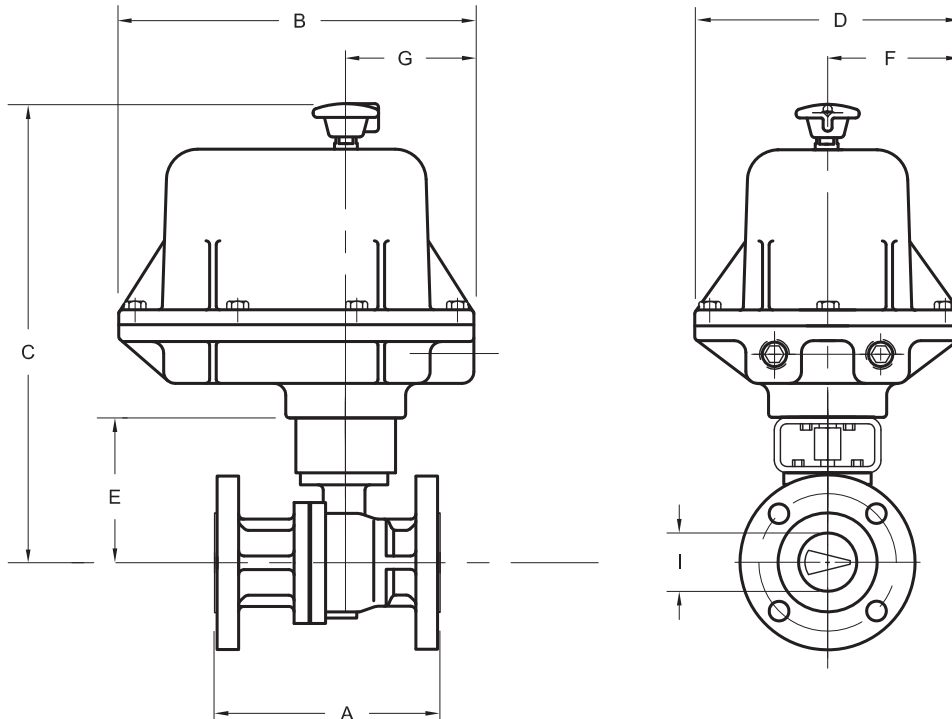
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V150F_S B7A-420 .5 - 1.5

V-Port ball valve with electric actuator, NEMA 7, 120vac

150# Flanged 2-pc body 50/50 seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	4.25	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	27.0	CV150F * S ① B7A-420
3/4"	4.62	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	28.0	DV150F * S ① B7A-420
1"	5.00	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	30.5	EV150F * S ① B7A-420
1-1/2"	6.50	8.25	13.10	6.25	5.60	3.12	3.75	1.50	EM310-30	37.5	GV150F * S ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

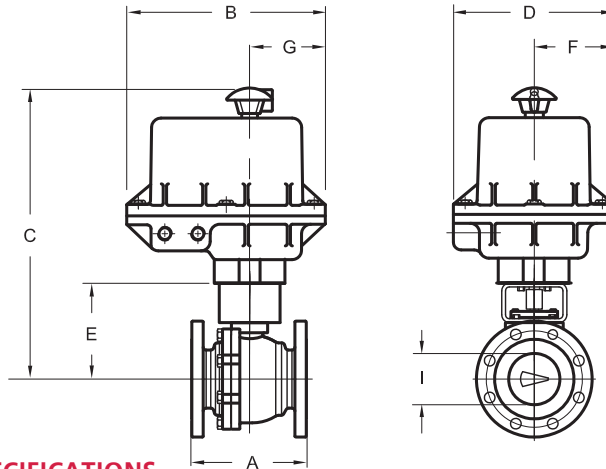
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V150F_S B7A-420 2 - 8

V-Port ball valve with electric actuator, NEMA 7, 120vac

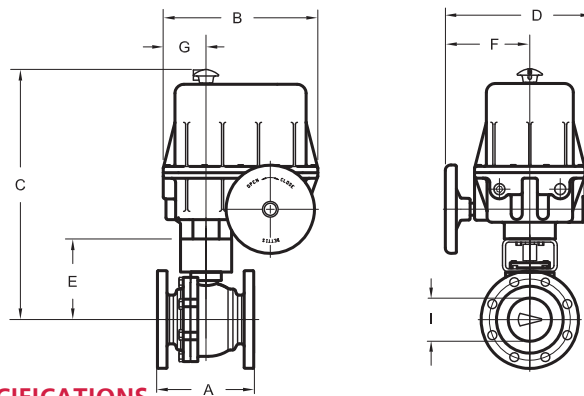
150# Flanged 2-pc body 50/50 seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
2"	7.00	8.25	15.34	6.25	5.90	3.12	3.75	1.97	EM500-15	44.0	HV150F * S ①② B7A-420
3"	8.00	8.25	16.11	6.25	6.67	3.12	3.75	3.00	EM500-30	65.5	JV150F * S ①② B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	9.00	14.00	23.73	13.31	8.40	7.62	3.88	4.00	EM810-30	297.5	KV150F * S ①② B7A-420
6"	15.50	14.00	23.73	13.31	11.20	7.62	3.88	5.98	EM830-30	335.0	MV150F * S ①② B7A-420
8"	18.00	14.00	23.73	13.31	11.60	7.62	3.88	7.87	EM840-72	432.0	NV150F * S ①② B7A-420

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 2" & 3" valve and a 4" high mounting bracket on 4 - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V150 VALVE SPECIFICATIONS

- V150F Class 150
- Standard Steam Working Pressure: 150SWP, optional 300PSIG
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

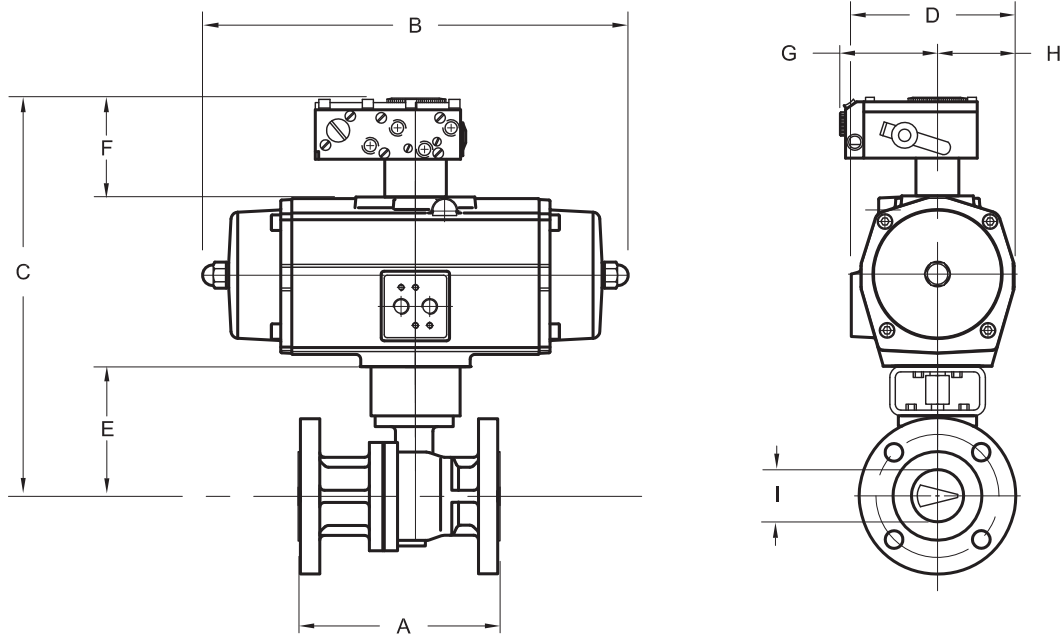
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V300F_F ESR .5 - 2

V-Port ball valve with spring return pneumatic actuator & positioner

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	5.50	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	19.8	CV300F * F ①EBS ② ③
3/4"	6.00	8.03	12.45	3.78	4.70	4.09	3.50	1.70	.79	ES40	21.8	DV300F * F ①EBS ② ③
1"	6.50	8.03	12.81	3.78	5.06	4.09	3.50	1.70	.98	ES40	24.8	EV300F * F ①EBS ② ③
1-1/2"	7.50	10.51	14.39	4.60	5.65	4.09	3.50	2.12	1.50	ES100	38.6	GV300F * F ①EBS ② ③
2"	8.50	14.17	15.62	5.39	5.90	4.09	3.50	2.52	1.97	ES200	54.6	HV300F * F ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
1/2"	5.50	9.80	12.76	4.19	4.54	4.09	3.50	1.93	.59	ES65	22.4	CV300F * F ①E6S ② ③
3/4"	6.00	9.80	12.92	4.19	4.70	4.09	3.50	1.93	.79	ES65	24.4	DV300F * F ①E6S ② ③
1"	6.50	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	27.4	EV300F * F ①E6S ② ③
1-1/2"	7.50	14.17	15.37	5.39	5.65	4.09	3.50	2.52	1.50	ES200	48.6	GV300F * F ①E6S ② ③
2"	8.50	14.17	14.39	5.39	5.90	4.09	3.50	2.52	1.97	ES200	54.6	HV300F * F ①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

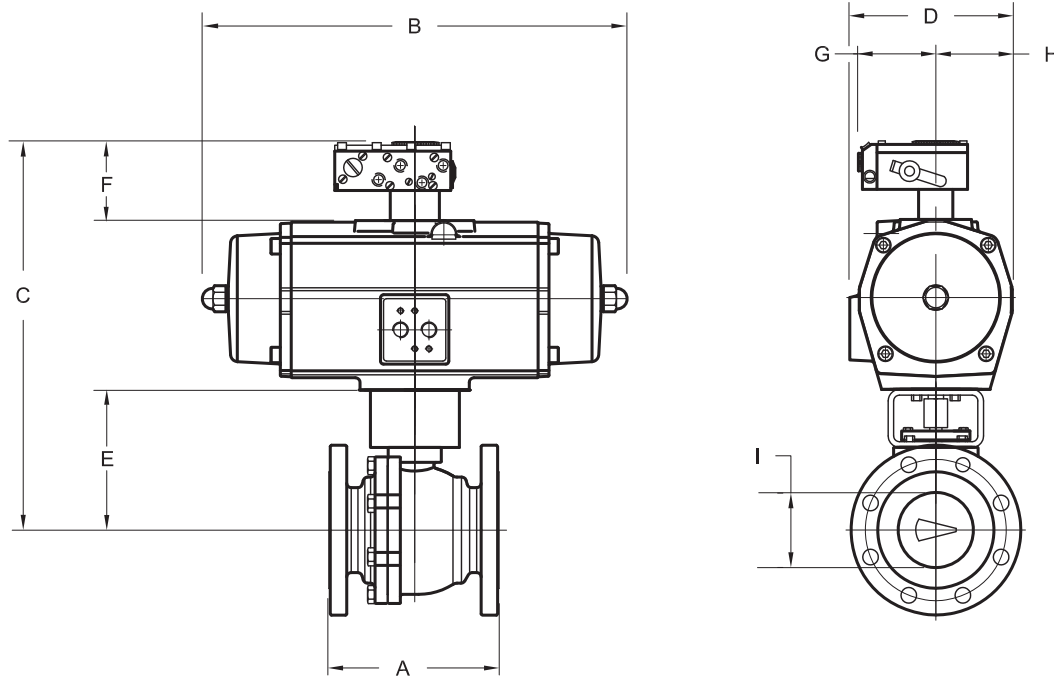
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_F ESR 3 - 8

V-Port ball valve with spring return pneumatic actuator & positioner

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
3"	11.12	15.24	17.89	7.12	6.67	4.09	3.50	3.41	3.00	ES350	106.8	JV300F * F ①EBS ② ③
4"	12.00	18.78	21.54	8.52	8.40	4.48	3.50	4.08	4.00	ES600	168.3	KV300F * F ①EBS ② ③
6"	15.88	25.08	27.37	10.81	11.20	4.48	3.50	5.21	5.98	ES1600	380.6	MV300F * F ①EBS ② ③
8"	19.75	32.83	31.04	15.35	11.60	4.48	3.50	7.48	7.87	PS4000	676.5	NV300F * F ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
3"	11.12	18.78	19.81	8.52	6.67	4.48	3.50	4.08	3.00	ES600	130.3	JV300F * F ①E6S ② ③
4"	12.00	18.78	21.54	8.52	8.40	4.48	3.50	4.08	4.00	ES600	168.3	KV300F * F ①E6S ② ③
6"	15.88	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	429.5	MV300F * F ①E6S ② ③
8"	19.75	32.83	31.04	15.35	11.20	4.48	3.50	7.48	7.87	PS4000	676.5	MV300F * F ①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

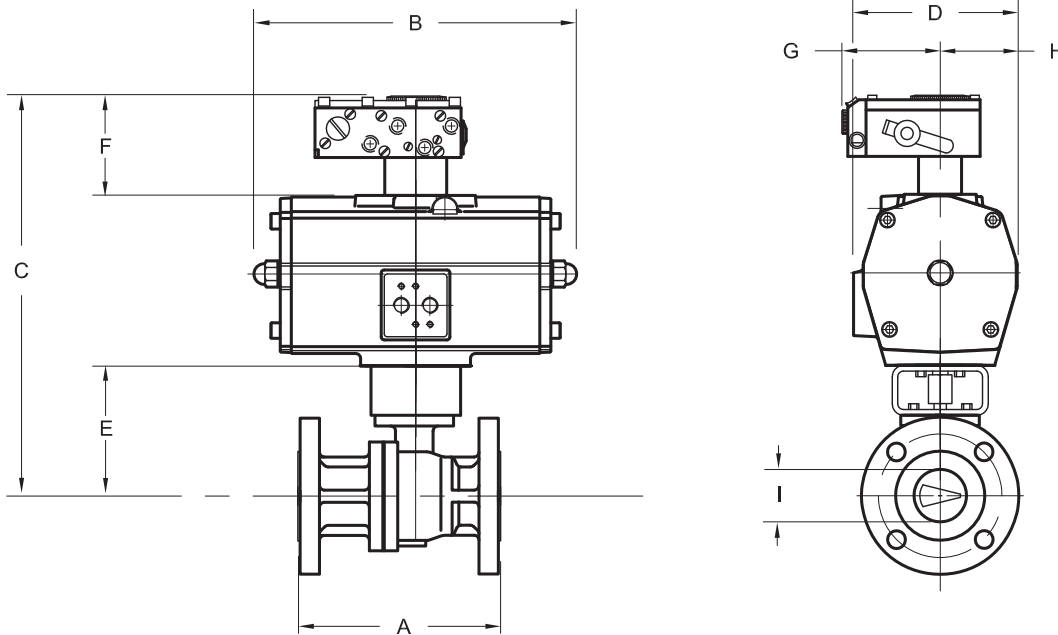
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_F EDA .5 - 2

V-Port ball valve with double acting pneumatic actuator & positioner

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
1/2"	5.50	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	17.4	CV300F * F①E8D ②
3/4"	6.00	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	19.4	DV300F * F①E8D ②
1"	6.50	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	22.4	EV300F * F①E8D ②
1-1/2"	7.50	7.09	13.40	3.78	5.65	4.09	3.50	1.70	1.50	ED40	32.5	GV300F * F①E8D ②
2"	8.50	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	39.8	HV300F * F①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
1/2"	5.50	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	17.4	CV300F * F①E6D ②
3/4"	6.00	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	19.4	DV300F * F①E6D ②
1"	6.50	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	22.4	EV300F * F①E6D ②
1-1/2"	7.50	7.83	13.40	4.19	5.65	4.09	3.50	1.93	1.50	ED65	33.8	GV300F * F①E6D ②
2"	8.50	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	39.8	HV300F * F①E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

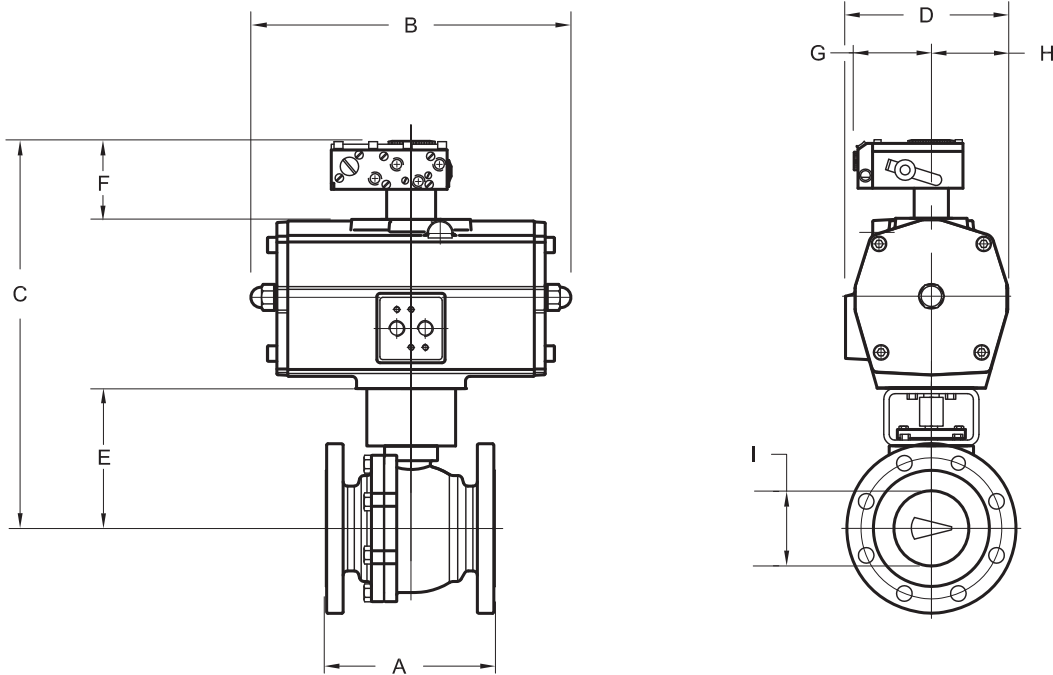
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_F EDA 3 - 8

V-Port ball valve with double acting pneumatic actuator & positioner

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
3"	11.12	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	82.3	JV300F * F①E8D ②
4"	12.00	11.14	18.12	5.39	8.40	4.09	3.50	2.52	4.00	ED200	120.3	KV300F * F①E8D ②
6"	15.88	15.24	24.34	8.52	11.20	4.48	3.50	4.08	5.98	ED600	278.3	MV300F * F①E8D ②
8"	19.75	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	479.6	NV300F * F①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
3"	11.12	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	82.3	JV300F * F①E6D ②
4"	12.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	130.4	KV300F * F①E6D ②
6"	15.88	16.69	25.88	9.51	11.20	4.48	3.50	4.54	5.98	ED950	293.7	MV300F * F①E6D ②
8"	19.75	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	479.6	MV300F * F①E6D ②

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

PNEUMATIC ACTUATOR FEATURES

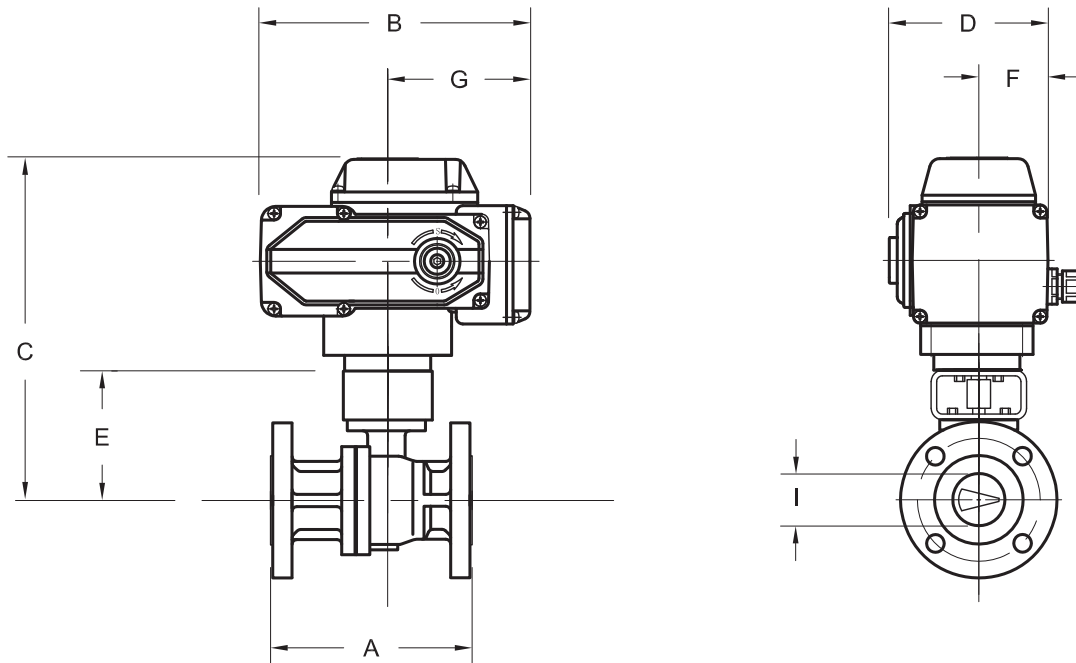
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_F K4A-P420 .5 - 2

V-Port ball valve with electric actuator for throttling service

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	5.50	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	15.0	CV300F * F ① K4A-P420
3/4"	6.00	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	17.0	DV300F * F ① K4A-P420
1"	6.50	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	20.0	EV300F * F ① K4A-P420
1-1/2"	7.50	8.17	12.09	4.82	5.65	2.14	4.33	1.50	Nucom-10NS/30	34.0	GV300F * F ① K4A-P420
2"	8.50	8.17	12.39	4.82	5.90	2.14	4.33	1.97	Nucom-10NS/30	40.0	HV300F * F ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

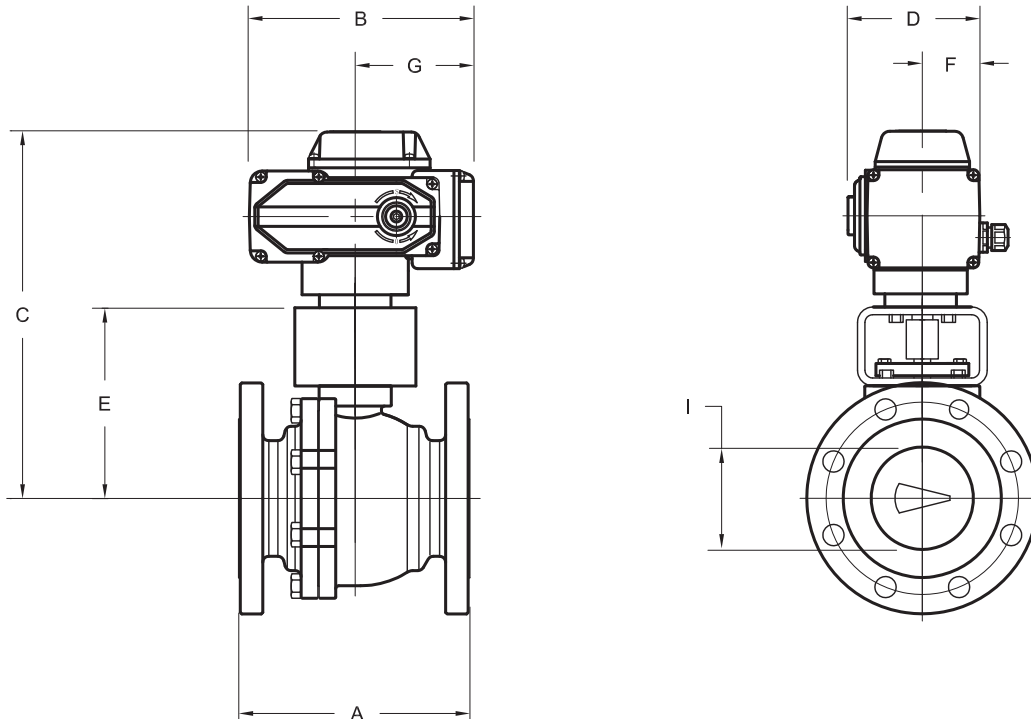
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual Position Indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V300F_S K4A-P420 3 - 8

V-Port ball valve with electric actuator for throttling service

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	11.12	10.10	13.95	6.16	6.67	2.46	5.25	3.00	Nucom-10NM/30	65.5	JV300F * S ① K4A-P420
4"	12.00	15.00	17.61	9.53	8.40	4.13	7.85	4.00	Nucom-10NL/150	147.0	KV300F * S ① K4A-P420
6"	15.88	15.00	20.41	9.53	11.20	4.13	7.85	5.98	Nucom-10NL/100	219.0	MV300F * S ① K4A-P420
8"	19.75	15.00	20.81	9.53	11.60	4.13	7.85	7.87	Nucom-10NL/200	316.0	NV300F * S ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

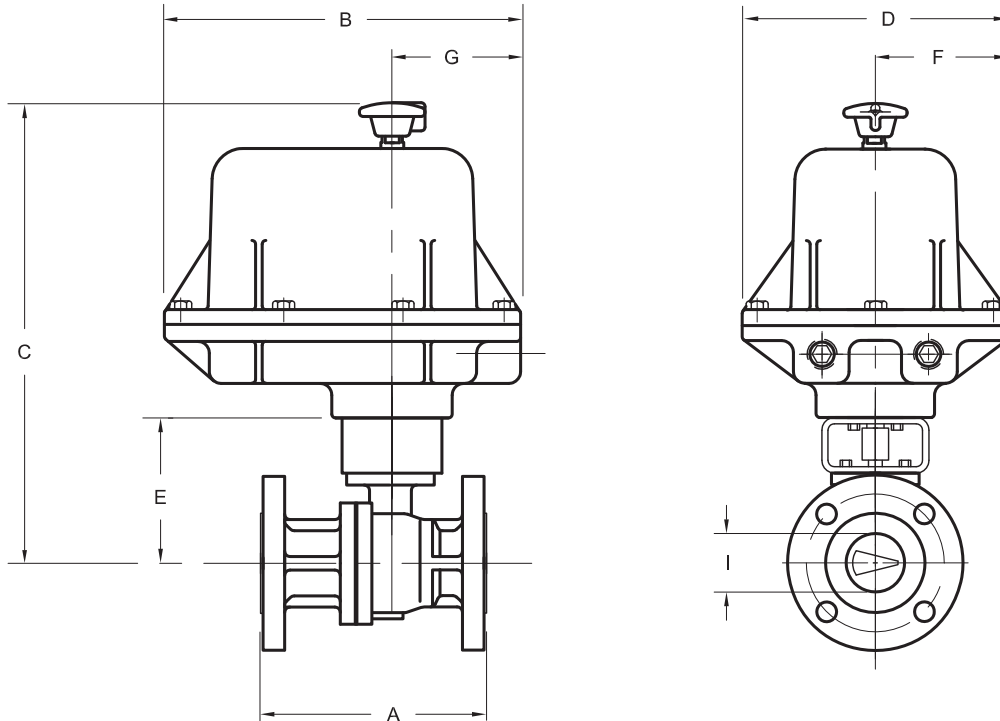
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V300F_F B7A-420 .5 - 2

V-Port ball valve with electric actuator, NEMA 7, 120vac

300# Flanged 2-pc body TFM Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	5.50	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	28.0	CV300F * F ① B7A-420
3/4"	6.00	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	30.0	DV300F * F ① B7A-420
1"	6.50	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	33.0	EV300F * F ① B7A-420
1-1/2"	7.50	8.25	13.10	6.25	5.60	3.12	3.75	1.50	EM310-30	42.0	GV300F * F ① B7A-420
2"	8.50	8.25	13.40	6.25	5.90	3.12	3.75	1.97	EM310-30	48.0	HV300F * F ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

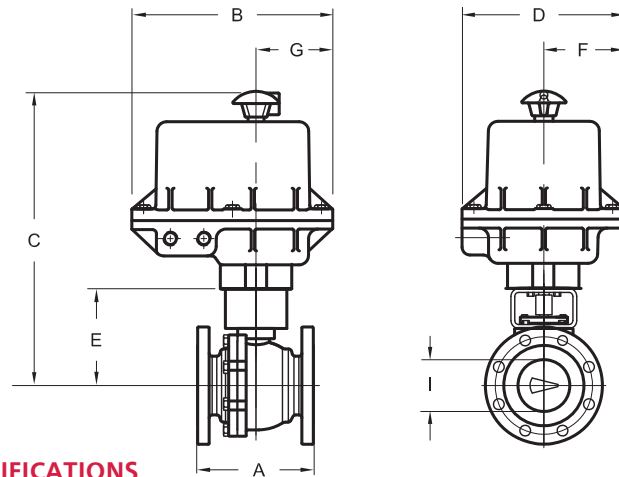
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 175°F

V300F_F B7A-420 3 - 8

V-Port ball valve with electric actuator, NEMA 7, 120vac

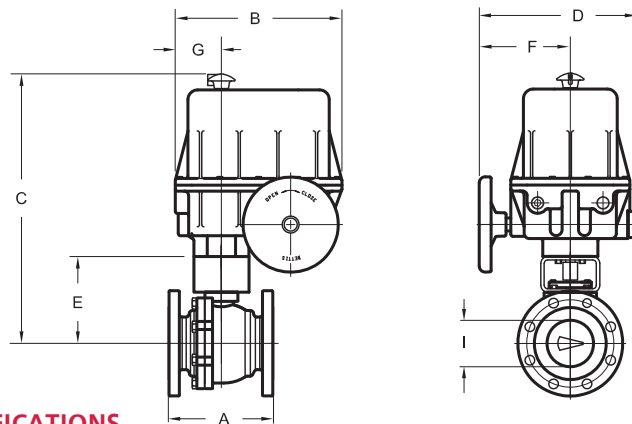
300# Flanged 2-pc body TFM seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	11.12	8.25	16.11	6.25	6.67	3.12	3.75	3.00	EM500-30	83.0	JV300F * F ① B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	12.00	14.00	23.72	13.31	8.40	7.62	3.88	4.00	EM810-30	346.0	KV300F * F ① B7A-420
6"	15.88	14.00	23.72	13.31	11.20	7.62	3.88	5.98	EM820-30	391.0	MV300F * F ① B7A-420
8"	19.75	14.00	23.72	13.31	11.60	7.62	3.88	7.87	EM840-48	541.0	NV300F * F ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: TFM
- Max Temp: TFM seats: 475°F

ELECTRIC ACTUATOR FEATURES

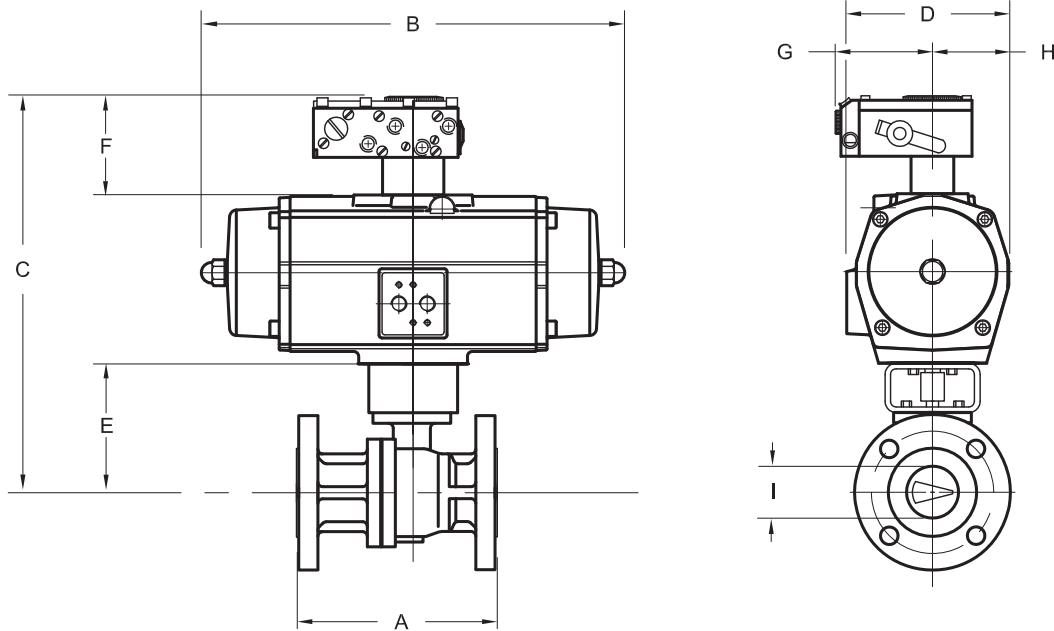
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V300F_S ESR .5 - 2

V-Port ball valve with spring return pneumatic actuator & positioner

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
1/2"	5.50	8.03	12.29	3.78	4.54	4.09	3.50	1.70	.59	ES40	19.8	CV300F * S①E8S ② ③
3/4"	6.00	9.80	12.92	4.19	4.70	4.09	3.50	1.93	.79	ES65	24.4	DV300F * S①E8S ② ③
1"	6.50	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	27.4	EV300F * S①E8S ② ③
1-1/2"	7.50	14.17	15.37	5.39	5.65	4.09	3.50	2.52	1.50	ES200	48.6	GV300F * S①E8S ② ③
2"	8.50	14.17	15.62	5.39	5.90	4.09	3.50	2.52	1.97	ES200	54.6	HV300F * S①E8S ② ③
60 psig Minimum Actuator Air Supply = 6S												
1/2"	5.50	9.80	12.76	4.19	4.54	4.09	3.50	1.93	.59	ES65	22.4	CV300F * S①E6S ② ③
3/4"	6.00	9.80	12.92	4.19	4.70	4.09	3.50	1.93	.79	ES65	24.4	DV300F * S①E6S ② ③
1"	6.50	9.80	13.28	4.19	5.06	4.09	3.50	1.93	.98	ES65	27.4	EV300F * S①E6S ② ③
1-1/2"	7.50	14.17	15.37	5.39	5.65	4.09	3.50	2.52	1.50	ES200	48.6	GV300F * S①E6S ② ③
2"	8.50	15.24	17.12	7.12	5.90	4.09	3.50	3.41	1.97	ES350	71.8	HV300F * S①E6S ② ③

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

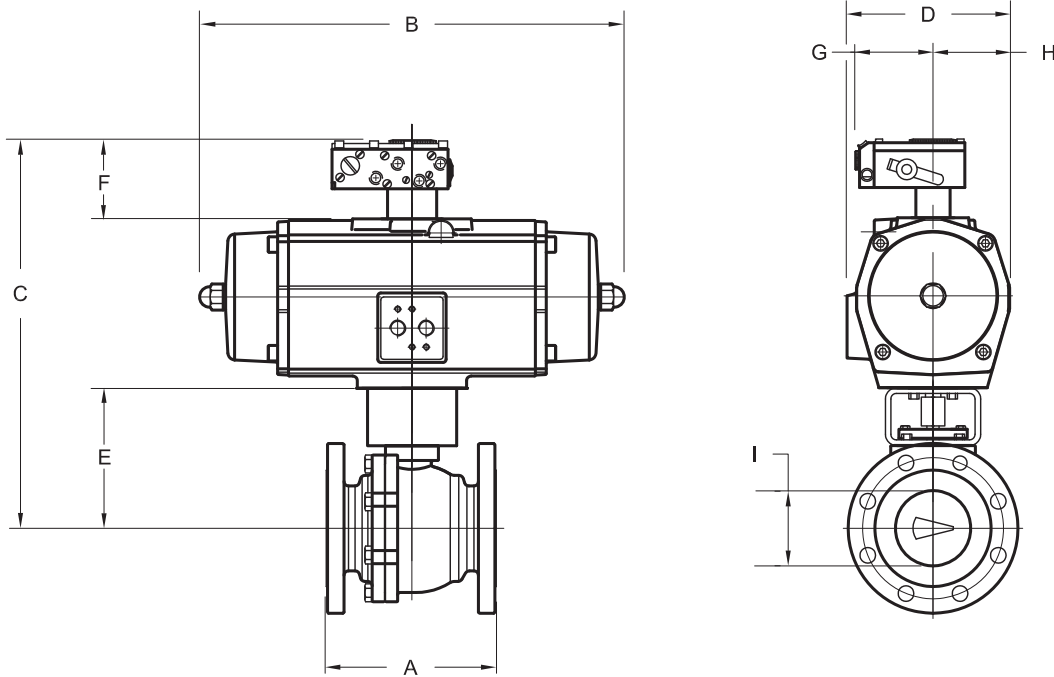
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_S ESR 3 - 8

V-Port ball valve with spring return pneumatic actuator & positioner

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8S												
3"	11.12	15.24	17.89	7.12	6.67	4.09	3.50	3.41	3.00	ES350	106.8	JV300F * S ①EBS ② ③
4"	12.00	20.35	23.08	9.51	8.40	4.48	3.50	4.54	4.00	ES950	192.6	KV300F * S ①EBS ② ③
6"	15.88	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	429.5	MV300F * S ①EBS ② ③
8"	19.75	32.83	31.04	15.35	11.60	4.48	3.50	7.48	7.87	PS4000	676.5	NV300F * S ①EBS ② ③
60 psig Minimum Actuator Air Supply = 6S												
3"	11.12	18.78	19.81	8.52	6.67	4.48	3.50	4.08	3.00	ES600	130.3	JV300F * S ①E6S ② ③
4"	12.00	20.35	23.08	9.51	8.40	4.48	3.50	4.54	4.00	ES950	192.6	KV300F * S ①E6S ② ③
6"	15.88	22.44	29.70	14.17	11.20	4.48	3.50	6.89	5.98	PS2500	429.5	MV300F * S ①E6S ② ③
8"										N/A		

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② C=Fail Close, O=Fail Open

③ Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

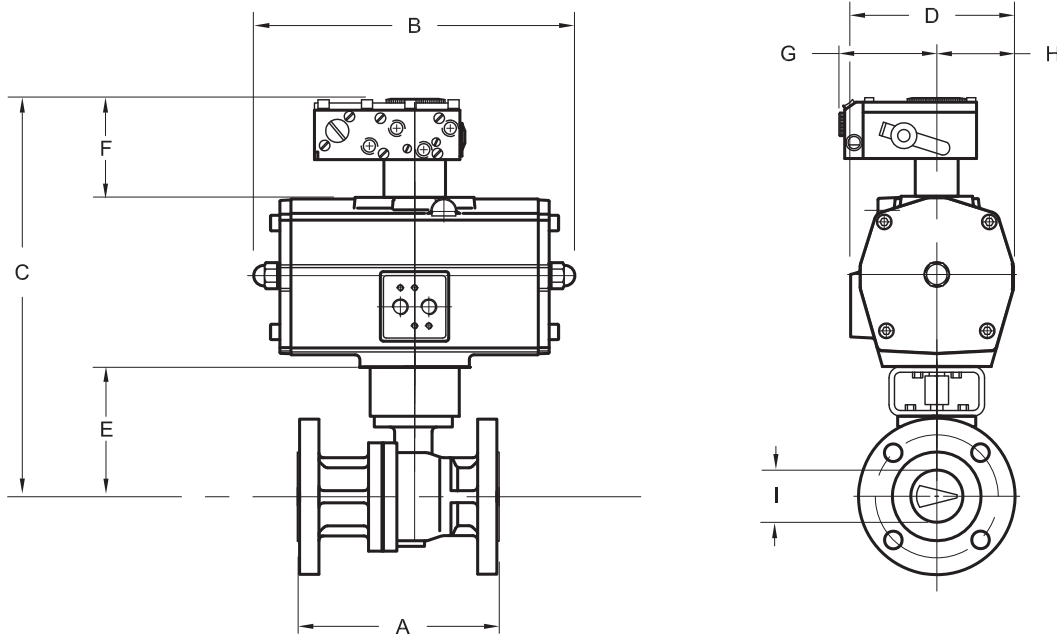
- E Series spring return rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_S EDA .5 - 2

V-Port ball valve with double acting pneumatic actuator & positioner

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
1/2"	5.50	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	17.4	CV300F * S①E8D ②
3/4"	6.00	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	19.4	DV300F * S①E8D ②
1"	6.50	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	22.4	EV300F * S①E8D ②
1-1/2"	7.50	7.83	13.87	4.19	5.65	4.09	3.50	1.93	1.50	ED65	33.8	GV300F * S①E8D ②
2"	8.50	7.83	14.12	4.19	5.90	4.09	3.50	1.93	1.97	ED65	39.8	HV300F * S①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
1/2"	5.50	6.26	11.78	3.26	4.54	4.09	3.50	1.46	.59	ED25	17.4	CV300F * S①E6D ②
3/4"	6.00	6.26	11.94	3.26	4.70	4.09	3.50	1.46	.79	ED25	19.4	DV300F * S①E6D ②
1"	6.50	6.26	12.30	3.26	5.06	4.09	3.50	1.46	.98	ED25	22.4	EV300F * S①E6D ②
1-1/2"	7.50	7.83	13.40	4.19	5.65	4.09	3.50	1.93	1.50	ED65	33.8	GV300F * S①E6D ②
2"	8.50	8.70	14.64	4.60	5.90	4.09	3.50	2.12	1.97	ED100	41.3	HV300F * S①E6D ②

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

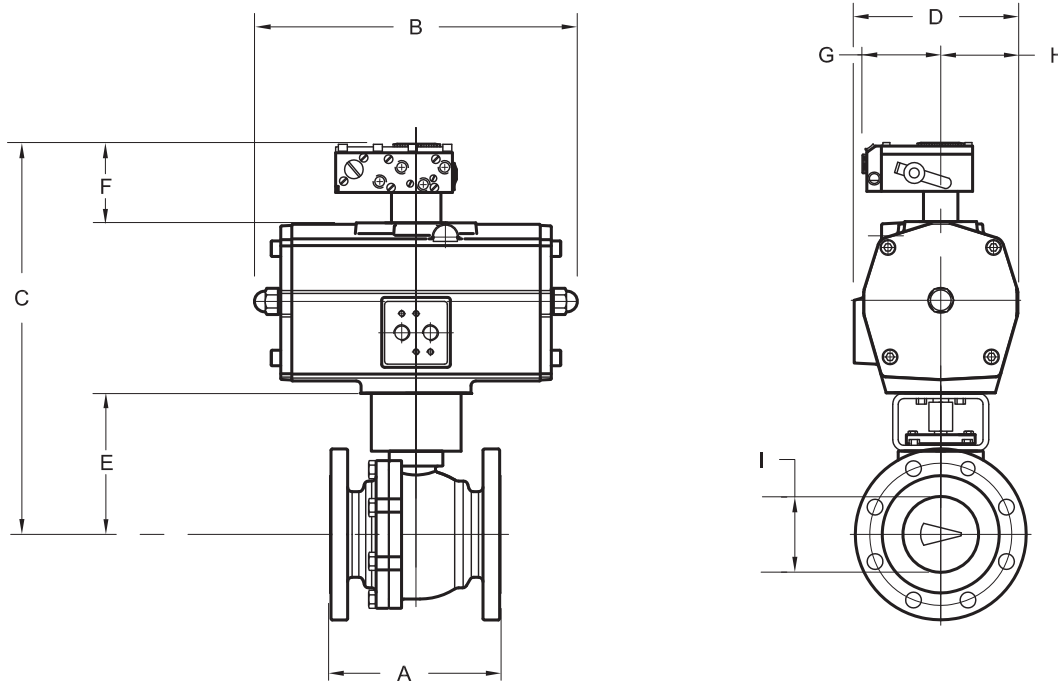
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_S EDA 3 - 8

V-Port ball valve with double acting pneumatic actuator & positioner

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	H	I	Actuator	Wt.(lbs.)	Model No.
80 psig Minimum Actuator Air Supply = 8D												
3"	11.12	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	82.3	JV300F * S ①E8D ②
4"	12.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	130.4	KV300F * S ①E8D ②
6"	15.88	16.69	25.88	9.51	11.20	4.48	3.50	4.54	5.98	ED950	293.7	MV300F * S ①E8D ②
8"	19.75	20.31	27.77	10.81	11.60	4.48	3.50	5.21	7.87	ED1600	479.6	NV300F * S ①E8D ②
60 psig Minimum Actuator Air Supply = 6D												
3"	11.12	11.14	16.39	5.39	6.67	4.09	3.50	2.52	3.00	ED200	82.3	JV300F * S ①E6D ②
4"	12.00	12.01	19.62	7.12	8.40	4.09	3.50	3.41	4.00	ED350	130.4	KV300F * S ①E6D ②
6"	15.88	20.31	27.37	10.81	11.20	4.48	3.50	5.21	5.98	ED1600	329.6	MV300F * S ①E6D ②
8"	19.75	14.88	30.10	14.17	11.60	4.48	3.50	6.89	7.87	PD2500	510.5	MV300F * S ①E6D ②

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

② Positioner: P5, E5, E5XP

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

PNEUMATIC ACTUATOR FEATURES

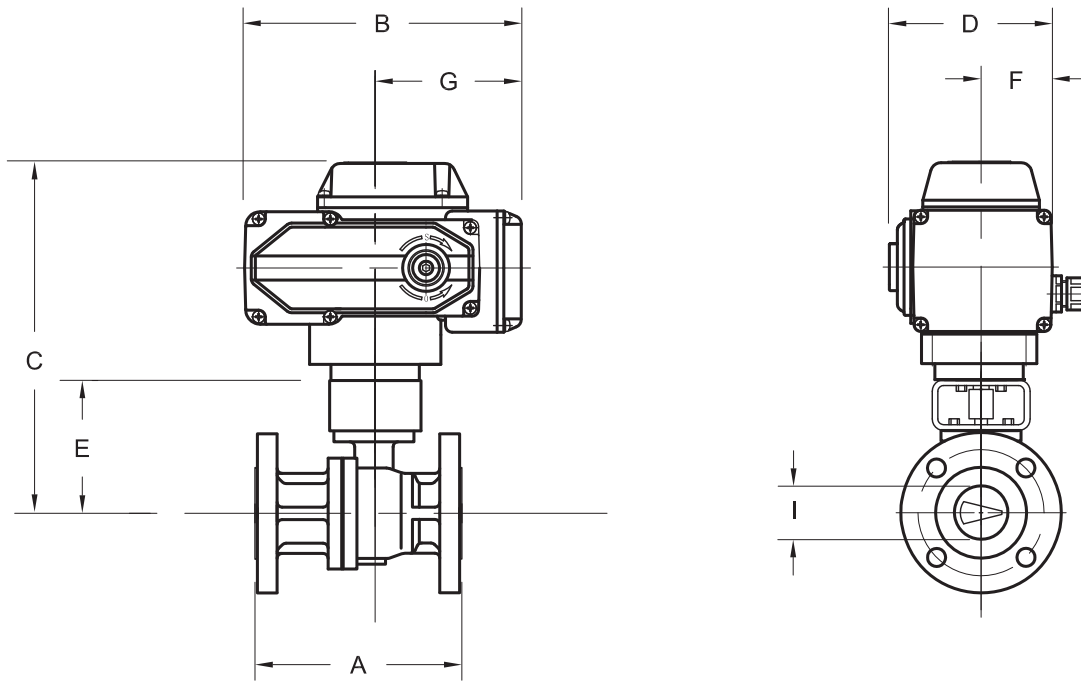
- E Series double acting rack and pinion pneumatic actuator
- Corrosion resistant coating
- NAMUR solenoid mounting pad, ISO 5211 mounting standard
- Visual position indicator
- High duty cycle, permanent lubrication
- Temperature range: -4°F to 175°F

V300F_S K4A-P420 .5 - 2

V-Port ball valve with electric actuator for throttling service

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	5.50	6.24	9.25	4.51	4.54	2.00	2.99	.59	Nucom Z	15.0	CV300F * S ① K4A-P420
3/4"	6.00	6.24	9.37	4.51	4.66	2.00	2.99	.79	Nucom Z	17.0	DV300F * S ① K4A-P420
1"	6.50	6.24	9.76	4.51	5.05	2.00	2.99	.98	Nucom Z	20.0	EV300F * S ① K4A-P420
1-1/2"	7.50	10.10	12.93	4.82	5.65	2.46	6.16	1.50	Nucom-10NM/30	42.0	GV300F * S ① K4A-P420
2"	8.50	10.10	13.18	6.16	5.90	2.46	6.16	1.97	Nucom-10NM/30	48.0	HV300F * S ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

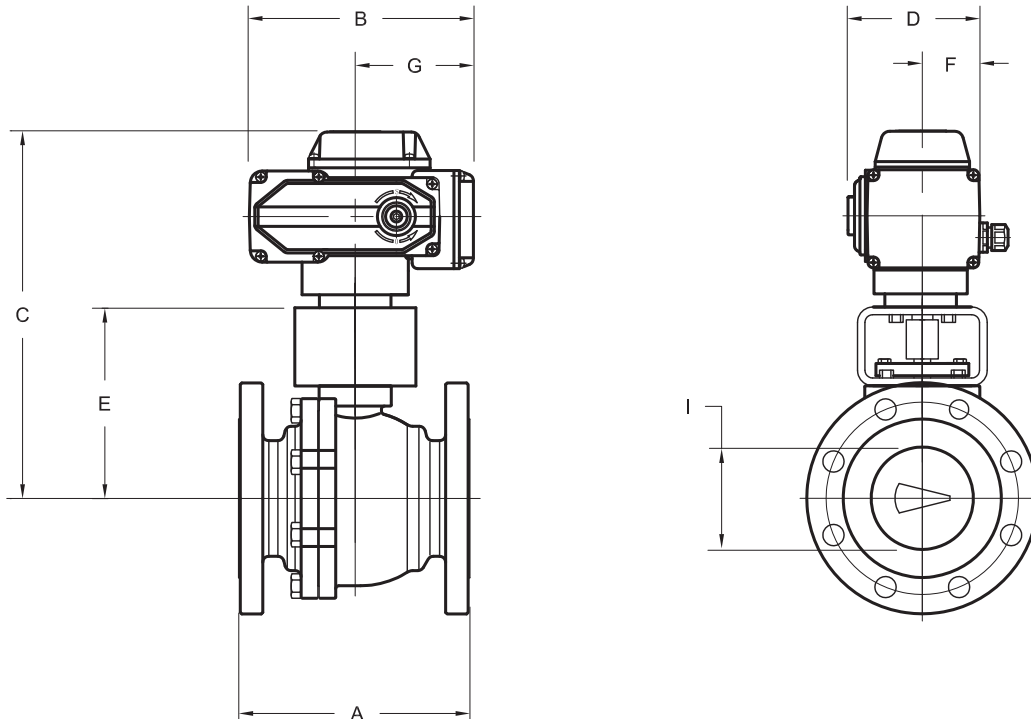
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V300F_S K4A-P420 3 - 8

V-Port ball valve with electric actuator for throttling service

300# Flanged 2-pc body 50/50 Seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
3"	11.12	10.10	13.95	6.16	6.67	2.46	5.25	3.00	Nucom-10NM/30	65.5	JV300F * S ① K4A-P420
4"	12.00	15.00	17.61	9.53	8.40	4.13	7.85	4.00	Nucom-10NL/150	147.0	KV300F * S ① K4A-P420
6"	15.88	15.00	20.41	9.53	11.20	4.13	7.85	5.98	Nucom-10NL/100	219.0	MV300F * S ① K4A-P420
8"	19.75	15.00	20.81	9.53	11.60	4.13	7.85	7.87	Nucom-10NL/200	316.0	NV300F * S ① K4A-P420

Note: Dimensions "C" & "E" include a 3" high mounting bracket on 3" valve and a 4" high mounting bracket on 4" - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

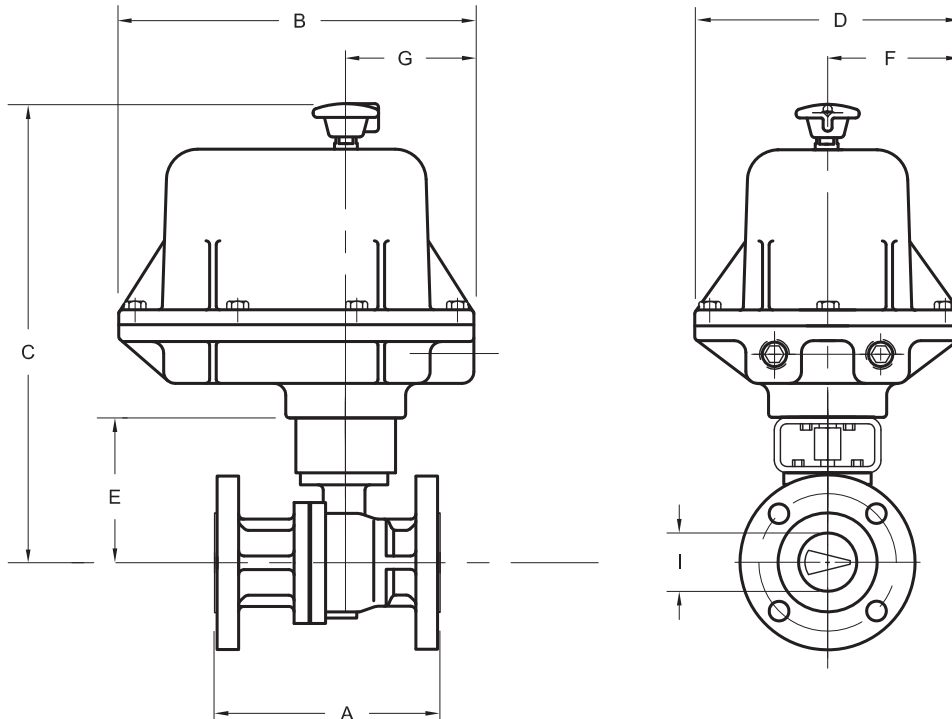
- K Series electric actuator
- Actuator speed: 25 sec.
- Most voltages available
- Quarter turn: 0-90° rotation
- NEMA 4/4X certified by UL labs
- ISO 5211 mounting standard
- Visual position indicator
- Self-locking drive train
- Mounts in any direction
- 1/2" NPT conduit connection
- CSA-NRTL /C and CE certified
- Temperature range: 0°F to 160°F

V300F_S B7A-420 .5 - 1.5

V-Port ball valve with electric actuator, NEMA 7, 120vac

150# Flanged 2-pc body 50/50 seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
1/2"	5.50	8.25	12.04	6.25	4.54	3.12	3.75	.59	EM310-30	28.0	CV300F * S ① B7A-420
3/4"	6.00	8.25	12.16	6.25	4.66	3.12	3.75	.79	EM310-30	30.0	DV300F * S ① B7A-420
1"	6.50	8.25	12.55	6.25	5.05	3.12	3.75	.98	EM310-30	33.0	EV300F * S ① B7A-420
1-1/2"	7.50	8.25	13.10	6.25	5.60	3.12	3.75	1.50	EM310-30	42.0	GV300F * S ① B7A-420

Note: Dimensions "C" & "E" include a 3" high mounting bracket

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

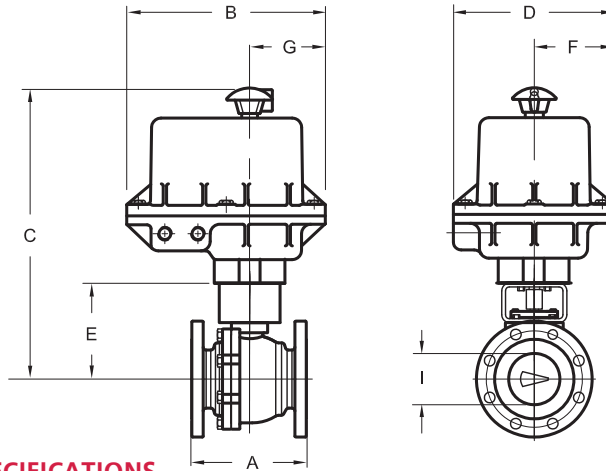
- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F

V300F_S B7A-420 2 - 8

V-Port ball valve with electric actuator, NEMA 7, 120vac

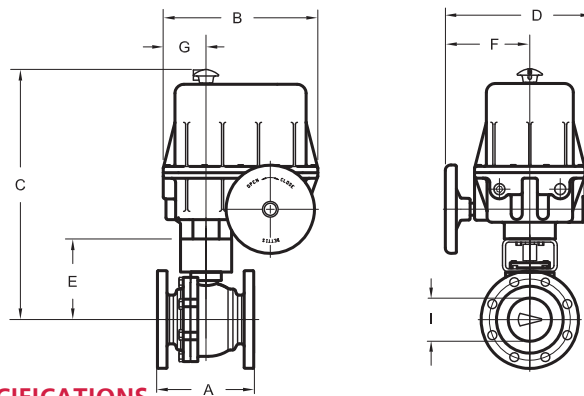
300# Flanged 2-pc body 50/50 seats

Actuators are sized for 150 psi pressure differential



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
2"	8.50	8.25	15.34	6.25	5.90	3.12	3.75	1.97	EM500-15	48.0	HV300F * S ① B7A-420
3"	11.12	8.25	16.11	6.25	6.67	3.12	3.75	3.00	EM500-30	83.0	JV300F * S ① B7A-420



DIMENSIONS, WEIGHTS & SPECIFICATIONS

Size	A	B	C	D	E	F	G	I	Actuator	Wt.(lbs.)	Model No.
4"	12.00	14.00	23.72	13.31	8.40	7.62	3.88	4.00	EM810-30	346.0	KV300F * S ① B7A-420
6"	15.88	14.00	23.72	13.31	11.20	7.62	3.88	5.98	EM830-30	391.0	MV300F * S ① B7A-420
8"	19.75	14.00	23.72	13.31	11.60	7.62	3.88	7.87	EM840-72	541.0	NV300F * S ① B7A-420

Note: Dimensions "C " & "E" include a 3" high mounting bracket on 2" & 3" valve and a 4" high mounting bracket on 4 - 8" valves

*C = Carbon Stl Body, 316SS Trim

*S = 316SS Body & Trim

① Ball Drilling: (3) 30°, (6) 60°

V300 VALVE SPECIFICATIONS

- V300F Class 300
- Standard Steam Working Pressure: 300SWP
- Protected Seat Design
- Fire Safe Designed to API607-5
- Spiral Wound Body Gasket w/Secondary metal to metal seat
- Carbon Steel or Stainless Steel Body
- Seats: 50/50
- Max Temp: 50/50 seats: 525°F

ELECTRIC ACTUATOR FEATURES

- B7 Series electric actuator
- NEMA 4, 4x, 7, & 9; CSA approved
- Weatherproof
- Class I Groups C and D, Div. 1
- Class II Groups E, F, & G
- (2) 1/2" NPT conduit entries
- Manual override
- Visual position Indicator
- CSA certified
- Temperature range: 0°F to 175°F