

								VA	LVE :	DIMENS	SIONS (IMPERIAL: INCHES)							
										S	HAFT I	DIMENSIONS	TAPPED	LUG DA	ATA	TOP P Dat			
SIZE	Α	В	С	D	E	F	К	Q1	Q2	G	Н	DD OR KEYWAY	TAP	ND. HDLES	BOLT CIRCLE	BOLT CIRCLE	HOLE DIA.	ADAPT. Code	WEIGHT (LBS)
2	4.46	6.00	3.98	4.15	2.38	1.27	6.09	1.38	1.88	N/A	0.56	0.38	% -11UNC	8	5	3.25	0.44	BAB	13
2 1/2	4.81	6.00	4.35	4.15	1.88	1.27	7.19	2.19	2.25	N/A	0.56	0.38	¾ -10UNC	8	5.88	3.25	0.44	BAB	16
3	5.31	6.63	4.66	4.15	1.88	1.25	7.88	2.06	2.63	N/A	0.63	0.44	¾ -10UNC	8	6.63	3.25	0.44	BAC	18
4	6.47	7.50	5.25	4.15	2.13	1.25	9.19	3.19	3.63	N/A	0.75	0.50	¾ -10UNC	8	7.88	3.25	0.44	BAD	25
5	7.63	7.56	5.75	4.15	2.31	1.25	10.56	4.31	4.75	N/A	0.75	0.50	¾ -10UNC	8	9.25	3.25	0.44	BAD	34
6	8.88	8.75	6.88	6.07	2.31	1.25	11.94	5.25	5.56	N/A	0.88	0.63	¾ -10UNC	12	10.63	5	0.56	CAE	45
8	11.16	10.13	8.31	6.07	2.88	2.00	14.53	6.75	7.38	N/A	1.13	¼ × ¼ × 1%	% -9UNC	12	13	5	0.56	CAF	80
10	12.75	11.38	9.63	6.07	3.25	3.00	17.00	8.81	9.31	N/A	1.38	⅓6 X ⅓6 X 2⅓	1-8UNC	16	15.25	5	0.56	CAG	120
12	15.00	13.00	11.10	8.17	3.63	3.00	19.72	10.63	11.19	1.38	1.50	⅓6 X ⅓6 X 2⅓	1½ -8UN	16	17.75	6.5	0.81	DAG	179
14	16.25	14.38	12.65	8.17	4.63	4.25	22.50	11.81	11.94	N/A	1.88	½ X % X 4%	1½ -8UN	20	20.25	6.5	0.81	DAJ	293
16	18.50	16.06	13.84	8.17	5.25	4.13	25.00	13.56	13.69	N/A	2.25	½ X ¾ X 4	1¼ -8UN	20	22.5	6.5	0.81	DAK	390
18	21.00	17.00	15.02	8.17	5.88	4.22	27.25	15.44	15.50	N/A	2.50	% X % X 4	1¼ -8UN	24	24.75	6.5	0.81	DBA	524
20	23.00	20.19	16.34	7.50	6.25	6.50	29.50	17.25	17.38	N/A	2.75	% x % x 6%	11/4 -8UN	24	27	8	0.81	LAX	657
24	27.25	23.38	19.09	9.50	7.13	6.81	35.00	20.69	20.81	N/A	3.50	% X % X 51%	1½ -8UN	24	32	9.75	1.06	MAY	1076
									VALV			S (METRIC: MM)				TOP P	ATE		
						1					SHAFT	DIMENSIONS	TAPPED		1	DAT	<u> </u>		1
SIZE	Α	В	С	D	E	F	К	Q1	Q2	G	Н	DD OR KEYWAY	TAP	ND, HDLES	BOLT CIRCLE	BOLT CIRCLE	HOLE DIA.	ADAPT. CODE	WEIGHT (KG)
50	113	152	101	105	60	32	155	35	48	N/A	14.29	9.53	% -11UNC	8	127	83	11	BAB	6
65	122	152	110	105	48	32	183	56	57	N/A	14.29	9.53	¾ -10UNC	8	149	83	11	BAB	7
80	135	168	118	105	48	32	200	52	67	N/A	15.88	11.11	¾ -10UNC	8	168	83	11	BAC	8
100	165	191	133	105	54	32	233	81	92	N/A	19.05	12.70	¾ -10UNC	8	200	83	11	BAD	11
125	194	192	146	105	59	32	268	110	121	N/A	19.05	12.70	¾ -10UNC	8	235	83	11	BAD	15
150	225	222	174	154	59	32	303	133	141	N/A	22.23	15.88	¾ -10UNC	12	270	127	14	CAE	20
200	283	257	211	154	73	51	369	171	187	N/A	28.58	6.35 X 6.35 X 41	% -9UNC	12	330	127	14	CAF	36
250	324	289	244	154	83	76	432	224	237	N/A	34.93	7.94 X 7.94 X 67	1-8UNC	16	387	127	14	CAG	54
300	381	330	282	208	92	76	501	270	284	34.93	38.10	7.94 X 7.94 X 67	1⅓ -8UN	16	451	165	21	DAG	81
350	413	365	321	208	117	108	572	300	303	N/A	47.63	12.70 X 9.53 X 105	1⅓ -8UN	20	514	165	21	DAJ	133
400	470	408	352	208	133	105	635	344	348	N/A	57.15	12.70 X 9.53 X 102	1¼ -8UN	20	572	165	21	DAK	177
	1	400	202	000	140	407		000	204	I NI ZA	(250	15.88 X 15.88 X 102	414 00.00	24	629	165	21	DDA	238
450	533	432	382	208	149	107	692	392	394	N/A	63.50	13,88 X 13,88 X 102	1¼ -8UN	24	027	163	21	DBA	238

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889 526

159 165 749 438

181

441 N/A 69.85

529 N/A

REV. ECN DRAWN DATE 7 08672 KLJ ECN RELEASE: DATE: 06/11/2010 UNLESS OTHERWISE SPECIFIC DRAWN: DIMENSIONS ARE IN INCHES GG DATE: 05/04/2010 TOLERANCES DATE: 06/10/2010 APPROVED: DATE: 06/11/2010 ENG MAG: BB DATE: 06/11/2010

15.88 X 15.88 X 162

88.90 22.23 X 22.23 X 144

EMERSON. KLOK HPBFV SERIES 37 2" - 24" ASME 300 - LUGGED POLYMER AND ELASTOMER SEAT

LBS SHEET!

REVISIONS

11/12/14

686

203

248

21

27

CHECK

LAX

MAY

298

488

DATE

(SEE NOTES PAGE 2)

584 513

692 594

ITEM NO	DESCRIPTION	QTY	PART NO. & FIG. NO.	REMARKS	
1	BODY	1	203-373		1
2	DISC	1	204-371]
3	UPPER STEM	1	205-370	205-360 DN 5'	1
4	LOWER STEM	1	205-371	205-361 ON 14" THRU 18" AND 24"	
5	TAPER PIN	3	907-735	QTY 2 DN 2" AND 2-1/2"	1
6	SPACER	2	253-361	253-371 DN 20"]
7	THRUST WASHER	2	275-361	275-371 DN 20"	1
8	BUSHING	4*	930-360	930-370 DN 20" THRU 24"	1
9	ANTI-EXTRUSION RING	2	249-360	249-370 DN 20" THRU 24"	1
10	STEM PACKING	1	928-360	928-370 DN 20" THRU 24"	1
11	RING, STEM RETENTION	1	979-735		1
12	GLAND	1	216-360	216-361 DN 8' THRU 18', 216-370 DN 20', AND 216-371 DN 24'	,
13	GLAND BRIDGE	1	236-361	236-371 DN 20" THRU 24	1
14	QUT2	2	902-363	QTY 4 DN 20" THRU 24"	1
15	WASHER, SPLIT LOCK	2	904-735	QTY 4 DN 20" THRU 24"	1
16	HEX NUT	2	903-735	QTY 4 DN 20" THRU 24"	1
17	BOTTOM COVER GASKET	1	921-361	921-371 DN 20" THRU 24"	1
18	BOTTOM COVER	1	259-361	259-371 DN 20" THRU 24"	1
19	WASHER, EXT. TOOTH LOCK	4	904-735		1
20	SCREW, HEX HD CAP	4	905-735		1
20.1	SEAT ASSEMBLY	1	726-360		1
20.2	SEAT	1	206-360		1
20.3	WIRE STRUCTURE	AR	984-360		1
21	SEAT BACKING RING	1	248-360		1
55	SEAT RETAINING RING GASKET	1	921-373	921-363 DN 2-1/2", 4", 6" ***SEE NOTE 9 BELOW]
23	SEAT RETAINING RING	1	214-373	214-363 DN 4"	1
24	SCREW, SOCKET HD CAP	**	905-735	**SEE BELOW	1
25	KEY	1	913-735	ON 8" THRU 24" ONLY	¹NOT SHO√
26	SCREW, HEX HD CAP	1	905-735	NOT USED	1
27	HEX NUT	1	903-735	NOT USED	1
28	TAG, ID.	1	914-373		1 иот ѕноч
29	TAG, FLOW	1	914-360		NOT SHOW
30	TAG, STRAP	1	912-360	QTY 2 DN 14" THRU 24"	חחב בחת ב
*ITE **ITE	M 8 QTY: BUSHING QUANTITY CDI EM 24 QTY: 2", 2-1/2" QTY 6; 3",	ULD V 4" QT	ARY DEPENDIN	G DN BUSHING MATERIAL. 0; 6", 8", 12", 14" QTY 12; 10", 16", 18" QTY	

IWN

JWN IWN WN

**!IEM 24 QIY: 2", 2-1/2" QTY 6; 3", 4" QTY 8; 5" QTY 10; 6", 8", 12", 14" QTY 12; 10", 16", 18" QTY 16; 20", 24" QTY 20.

- 'Q' DIMENSIONS ARE THE MINIMUM ALLOWABLE FLANGE INSIDE DIAMETERS AT THE CENTERED BODY FACE TO PROTECT THE DISC SEALING EDGE FROM DAMAGE WHEN OPENING THE VALVE.
- SEE DATA PAGE SMOOOI FOR ADAPTABILITY CODE LETTER SYMBOL DIMENSIONS REGULATING INTERCHANGEABILITY OF BODY TOP PLATE MOUNTING TO HANDLES, PLATES, GEAR OPERATOR, POWER ACTUATORS, ETC.
- MAXIMUM VALVE DIFFERENTIAL 740 PSI.
- STANDARD VALVE TO BE USED BETWEEN ANSI CLASS 300 FLANGES. THE VALVE IS CENTERED BY THE FLANGE STUDS. THE LUGS ARE TAPPED AS SHOWN.
- PART ITEMS NO. 2, 3, 4, &5 ARE CONTAINED IN DISC/STEM ASSEMBLY AND ARE MACHINED AS A MATCHED SET. PART ITEM NO. 21.3 IS MOLDED IN ELASTOMER SEAT ASSEMBLY. PART ITEMS NO. 21.2 AND 21.3 ARE CONTAINED IN POLYMER SEAT ASSEMBLY.
- VALVE LAY LENGTH SIZES 2-1/2' (65 MM) THRU 24' (600 MM) ARE WITHIN TOLERANCE OF MSS SP-68/API-609, SIZE 2' (50MM) DO NOT MEET ANY LAY LENGTH SPECIFICATION.
- ALL THREADS ARE TAPPED THRU PER TAPPED LUG DATA ON PAGE 1 EXCEPT FOR THOSE BELOW. ALL THREADS ARE TAPPED THRU PER TAPPED LOG DATA ON PAGE I EXCEPT FOR THUSE BELLOW.

 BELLOW TAPPED HOLES ARE PER FLANGE FACE.

 10' (250 MM) VALVE HAS (4) HOLES TAPPED 1-BUNC X 1' (25 MM) DP ON 15-1/4' (387 MM) D.B.C.

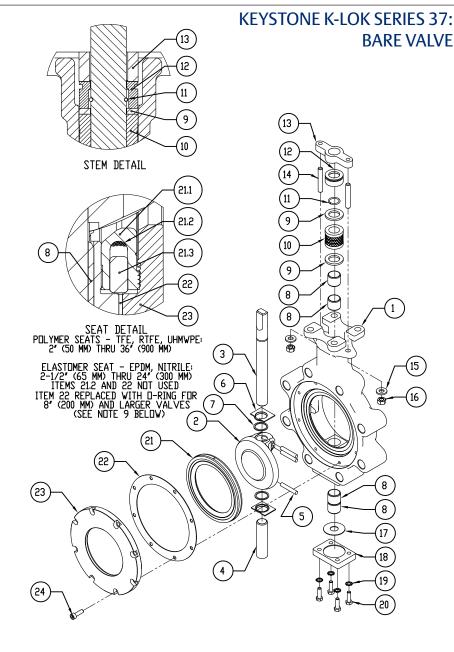
 14' (350 MM) VALVE HAS (4) HOLES TAPPED 1-1/8-BUN X 1-3/16' (30 MM) DP ON 20-1/4' (514 MM) D.B.C.

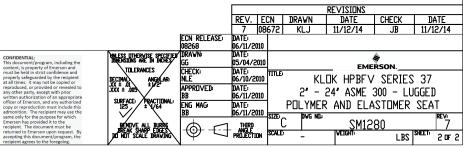
 16' (400 MM) VALVE HAS (4) HOLES TAPPED 1-1/4-BUN X 1-3/8' (35 MM) DP ON 22-1/2' (572 MM) D.B.C.

 18' (450 MM) VALVE HAS (4) HOLES TAPPED 1-1/4-BUN X 1-3/8' (35 MM) DP ON 24-3/4' (629 MM) D.B.C.

 20' (500 MM) VALVE HAS (4) HOLES TAPPED 1-1/4-BUN X 1-1/4' (32 MM) DP ON 27' (686 MM) D.B.C.

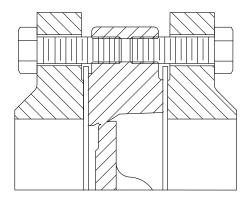
 24' (600 MM) VALVE HAS (4) HOLES TAPPED 1-1/2-BUN X 1-1/2' (38 MM) DP ON 32' (813 MM) D.B.C.
- DISC STEM ASSEMBLY CONSISTS OF: DISC (2), UPPER STEM (3), LOWER STEM (4), AND TAPER PINS (5).
- ***9. FOR ELASTOMER SEAT, 8" (200 MM) AND LARGER VALVES REQUIRE D-RING, D-RING GROOVE MACHINED IN ITEM 23.



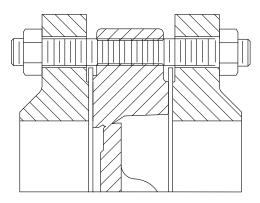


KEYSTONE K-LOK SERIES 37: BOLT LENGTHS

BOLT LENGTHS COMPLY WITH MSS SP-68



VALVE SHOWN WITH BOLTS



VALVE SHOWN WITH ALL THREAD STUDS

LENGTHS OF BOLTS ARE BASED ON:

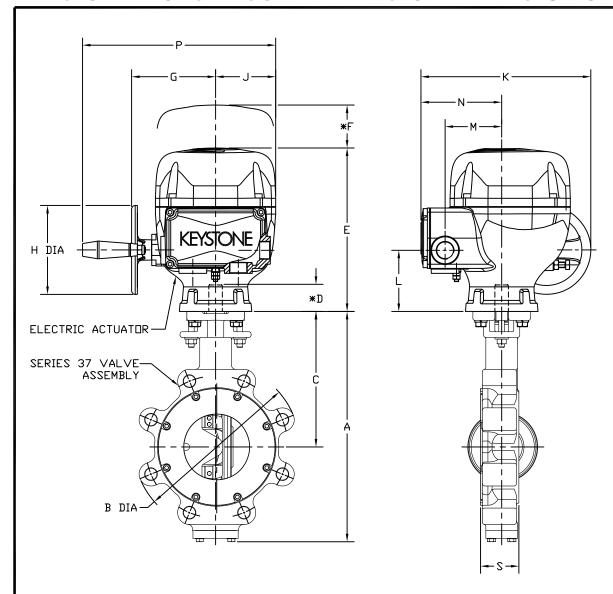
- 1.) MIN. FLANGE THICKNESS OF WELD NECK FLANGES ASME B16.5
- 2.) GASKET THICKNESS = .062"
- 3.) ANY DEVIATION FROM SPECIFIED COMPONENTS MAY RESULT IN ALTERED BOLT AND ALL THREAD LENGTHS

NOTE:
WHEN MORE THAN ONE BOLT LENGTH
IS SPECIFIED FOR THE SAME VALVE,
THE LONGER BOLTS ARE TO BE USED
ON THE SEAT RETAINING RING SIDE
OF THE VALVE.

VALVE		HEX HEAD MACH BOLT		ALL THREAD STUD
SIZE	QTY	SIZE LENGTH	QTY	SIZE LENGTH
2	16	5/8-11 UNC X 2	16	5/8-11 UNC X 2-7/8
2-1/2	16	3/4-10 UNC X 2	16	3/4-10 UNC X 3
3	16	3/4-10 UNC X 2	16	3/4-10 UNC X 3
4	16	3/4-10 UNC X 2-1/4	16	3/4-10 UNC X 3-1/4
5	16	3/4-10 UNC X 2-1/2	16	3/4-10 UNC X 3-1/2
6	24	3/4-10 UNC X 2-1/2	24	3/4-10 UNC X 3-5/8
8	24	7/8-9 UNC X 3	24	7/8-9 UNC X 4-1/8
10	32	1-8 UN X 3-1/2	32	1-8 UN X 4-3/4
12	32	1-1/8-8 UN X 3-3/4	32	1-1/8-8 UN X 5-1/8
14	32	1-1/8-8 UN X 4-1/4	32	1-1/8-8 UN X 5-3/4
	8	1-1/8-8 UN X 3-1/4	8	1-1/8-8 UN X 4-5/8
16	32	1-1/4-8 UN X 4-3/4	32	1-1/4-8 UN X 6-1/4
	8	1-1/4-8 UN X 3-1/2	8	1-1/4-8 UN X 5
18	40	1-1/4-8 UN X 5-1/4	40	1-1/4-8 UN X 6-3/4
	8	1-1/4-8 UN X 3-3/4	8	1-1/4-8 UN X 5-1/4
20	40	1-1/4-8 UN X 5-1/2	40	1-1/4-8 UN X 7-1/8
	8	1-1/4-8 UN X 4	8	1-1/4-8 UN X 5-1/2
24	40	1-1/2-8 UN X 6-1/4	40	1-1/2-8 UN X 8
	8	1-1/2-8 UN X 4-1/2	8	1-1/2-8 UN X 6-1/4
30	48	1-3/4-8 UN X 8-1/4	48	1-3/4-8 UN X 10-1/2
	8	1-3/4-8 UN X 5-3/4	8	1-3/4-8 UN X 8
36	56	2-8 UN X 9	56	2-8 UN X 11-1/4
	8	2-8 UN X 6-5/8	8	2-8 UN X 9

						KLOK FIGURE 373 (SERIES 37) 2" – 36" ASME 300 – LUGGED BOLT LENGTHS
		EME	RS	ON _™		SM1320
1	08638	KLJ	8/12/14	JB	8/12/14	0111020
NΠ	ECN	DRAWN	DATE	CHECK	DATE	SHEET 1 DF 1

KEYSTONE K-LOK SERIES 37 WITH KEYSTONE EPI 2 ACTUATOR

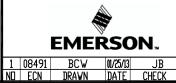


	ELECTRIC ACTUATOR DIMENSIONS (IMPERIAL: INCHES)										
TYPE	E	F	G	Н	J	К	L	М	N	Р	ADAPT. Code
EPI2-6	8 5/16	6 7/8	4 11/16	4 15/16	3 5/16	9 7/16	2 5/8	3 1/8	4 1/2	10 3/4	BAF
EPI2-13	9	6 7/8	4 11/16	4 15/16	3 5/16	9 7/16	3 7/16	3 1/8	4 1/2	10 3/4	BAF
EPI2-25	11 5/16	9 1/8	6 1/16	7 1/8	4 5/16	11 5/8	3 3/4	3 3/4	5 1/8	13 1/8	CAF
EPI2-51	11 5/16	9 1/8	6 1/16	7 1/8	4 5/16	11 5/8	3 3/4	3 3/4	5 1/8	13 1/8	CAF
EPI2-91	14 5/16	9 1/8	6 3/4	9 1/2	4 5/16	13 7/16	6 13/16	4 1/8	5 1/2	13 3/4	DAJ DAK
EPI2-171	18 5/16	9 1/8	6 3/4	9 1/2	10 1/2	13 7/16	10 3/4	4 1/8	5 1/2	19 15/16	DAJ DAK

	V۵	ALVE DIM	ENSIONS	(IMPERIA	AL: INCHE	(23
SIZE	Α	В	С	D	S	ADAPT. CODE
2	10	6 3/32	6	1 1/2	2 3/8	BAB
2 1/2	10 3/8	7 3/16	6	1 1/2	1 7/8	BAB
3	11 3/8	7 7/8	6 5/8	1 1/2	1 7/8	BAC
4	12 13/16	9 3/16	7 1/2	1 1/2	2 1/8	BAD
5	13 3/8	10 9/16	7 9/16	1 1/2	2 5/16	BAD
6	15 11/16	11 15/16	8 3/4	1 1/2	2 5/16	CAE
8	18 1/2	14 17/32	10 1/8	2 1/4	2 7/8	CAF
10	21 1/16	17	11 3/8	3 1/4	3 1/4	CAG
12	24 3/16	19 23/32	13	3 1/4	3 5/8	DAG
14	27 1/16	22 1/2	14 3/8	4 1/2	4 5/8	DAJ
16	29 15/16	25	16 1/16	4 3/8	5 1/4	DAK
18	32 1/16	27 1/4	17	4 1/2	5 7/8	DBA
20	36 9/16	29 1/2	20 3/16	6 3/4	6 1/4	LAX

NOTES:

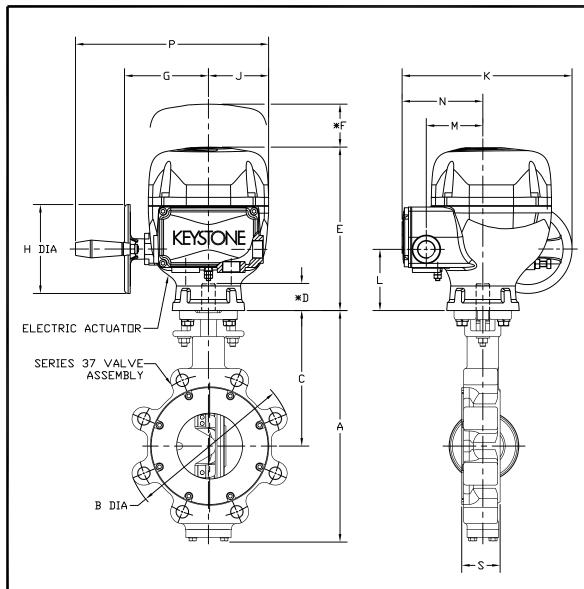
- 1. REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, OPERATOR AND ADAPTABILITY CODES.
- * 2. MINIMUM CLEARANCE REQUIRED FOR COVER OR COMPONENT REMOVAL.



KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH EPI2 ELECTRIC ACTUATOR

SM1312

KEYSTONE K-LOK SERIES 37 WITH KEYSTONE EPI 2 ACTUATOR



	ELECTRIC ACTUATOR DIMENSIONS (METRIC : MM)										
TYPE	E	F	G	Н	J	К	L	М	N	Р	ADAPT. CODE
EPI2-6	211	175	119	125	84	240	67	79	114	273	BAF
EPI2-13	229	175	119	125	84	240	87	79	114	273	BAF
EPI2-25	287	232	154	181	110	295	95	95	130	333	CAF
EPI2-51	287	232	154	181	110	295	95	95	130	333	CAF
EPI2-91	364	232	171	241	110	341	173	105	140	349	DAJ DAK
EPI2-171	465	232	171	241	267	341	273	105	140	506	DAJ DAK

		VALVE 1	DIMENSIO	NS (METF	RIC: MM)	
SIZE	Α	В	С	D	S	ADAPT. CODE
50	254	155	152	38	60	BAB
65	264	183	152	38	48	BAB
80	289	200	168	38	48	BAC
100	325	233	191	38	54	BAD
125	340	268	192	38	59	BAD
150	398	303	555	38	59	CAE
200	470	369	257	57	73	CAF
250	535	432	289	83	83	CAG
300	614	501	330	83	92	DAG
350	687	572	365	114	117	DAJ
400	760	635	408	111	133	DAK
450	814	692	432	114	149	DBA
500	929	749	513	171	159	LAX

NOTES:

- 1. REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, OPERATOR AND ADAPTABILITY CODES.
- * 2. MINIMUM CLEARANCE REQUIRED FOR COVER OR COMPONENT REMOVAL.

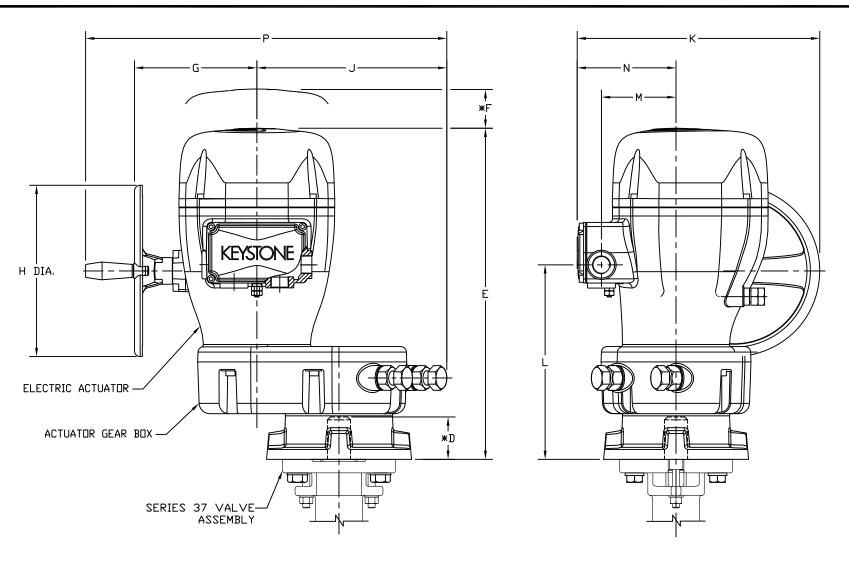
		ЕМЕ	RSO	ON₃	
1	08491	BCW	01/25/13	JB	01
ND	ECN	DRAWN	DATE	CHECK	D

KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH EPI2 ELECTRIC ACTUATOR

SM1312

SHEET 2 OF 3

KEYSTONE K-LOK SERIES 37 WITH KEYSTONE EPI 2 ACTUATOR



NOTES:

- REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, ACTUATOR AND ADAPTABILITY CODES.
- 2. GEAR BOX SUPPLIED WITH EPI-171. (THIS SHEET)
- *3. MINIMUM CLEARANCE REQUIRED FOR COVER OR COMPONENT REMOVAL.

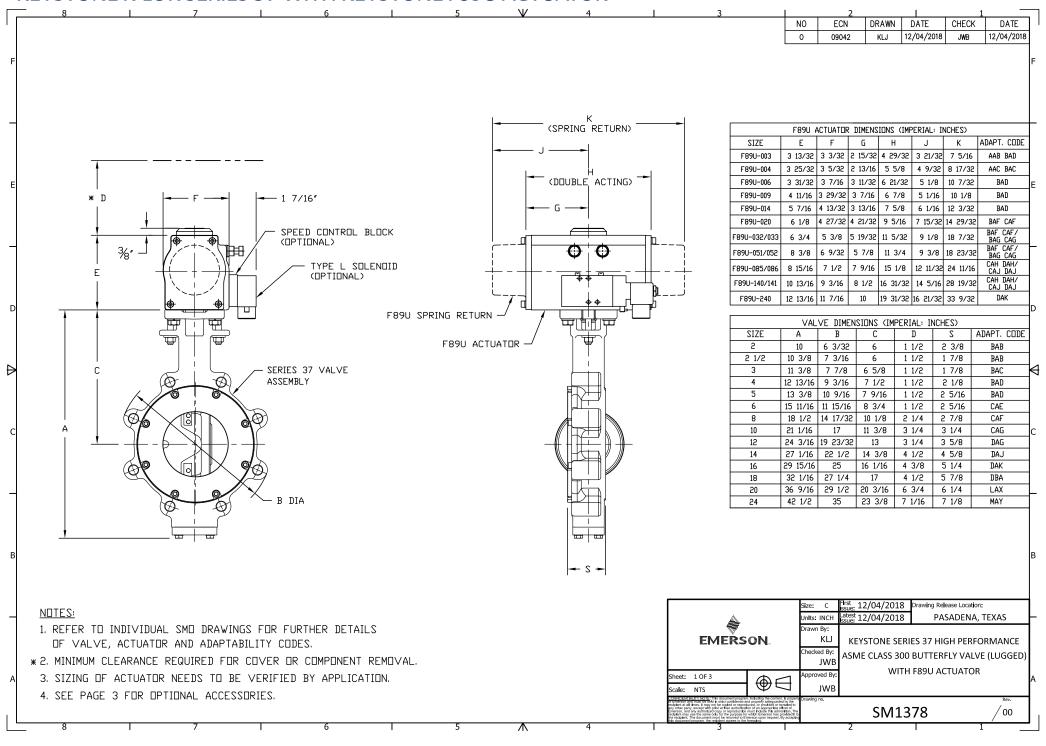
		EMEI	RSC	N _™	
1	08491	BCW	01/25/13	JB	01/2
NO	ECN	DRAWN	DATE	CHECK	DA

KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH EPI2 ELECTRIC ACTUATOR

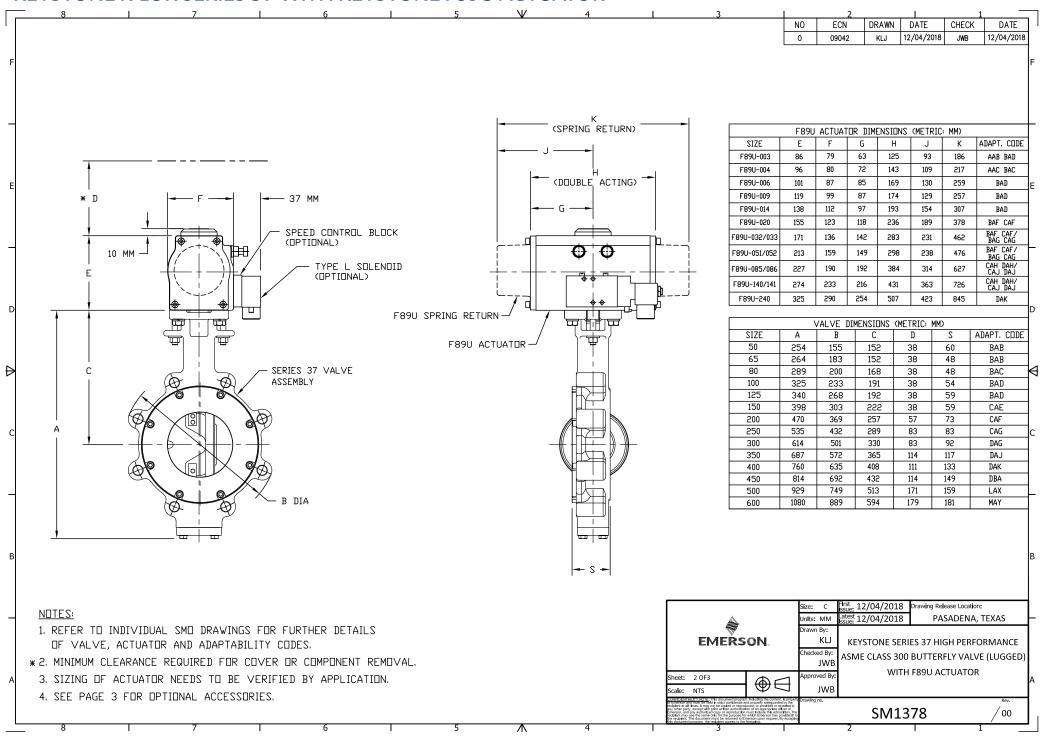
SM1312

SHEET 3 DF 3

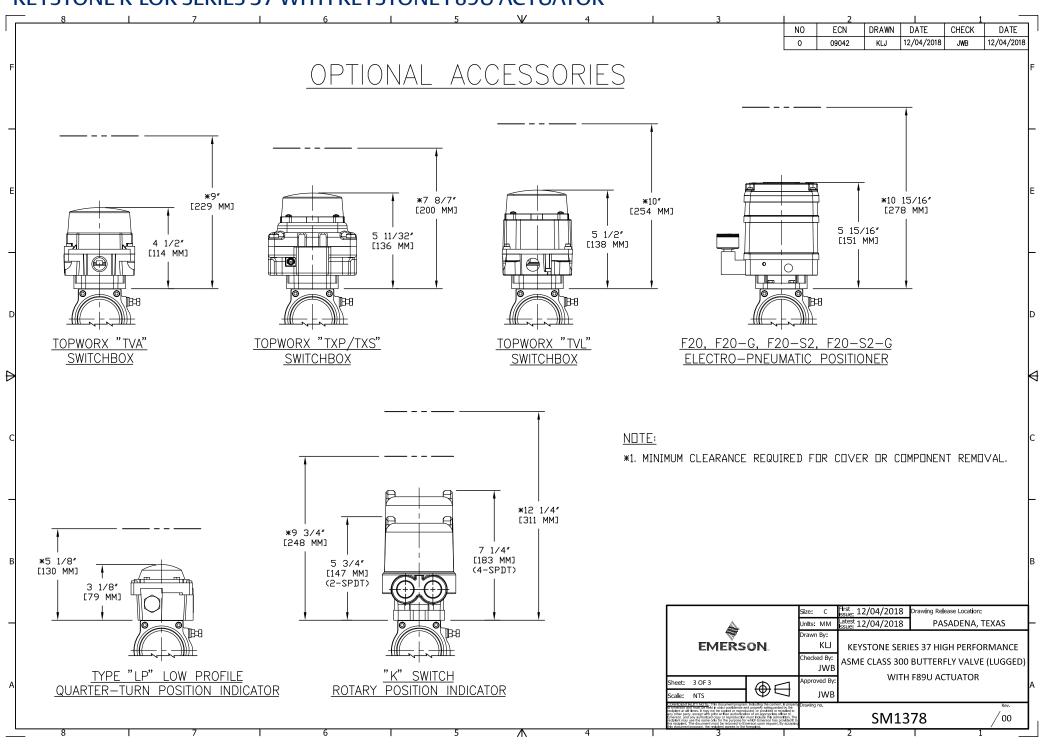
KEYSTONE K-LOK SERIES 37 WITH KEYSTONE F89U ACTUATOR



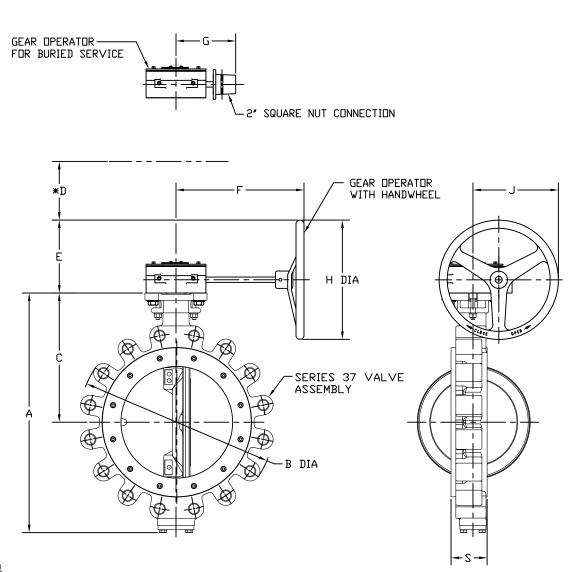
KEYSTONE K-LOK SERIES 37 WITH KEYSTONE F89U ACTUATOR



KEYSTONE K-LOK SERIES 37 WITH KEYSTONE F89U ACTUATOR



KEYSTONE K-LOK SERIES 37 WITH GEAR OPERATOR



GEAR OPER	ATOR D	IMENSI	MI) 2NC	PERI	AL: INC	HES)					
PART NUMBER	E	F	G	Н	J	ADAPT. CODE					
XXX-819-020-423-500 (24:1)	4 1/8	7 7/16	6	6	4 13/16	BAB BAC BAD					
XXX-819-120-420-500 (30:1)	7 3/8	12 7/8	6	12	8 5/8	CAD CAE CAF					
XXX-819-140-426-500 XXX-819-160-426-500 (50:1)	7 1/2	12 7/8	6	12	9 1/8	CAG DAG CAF					
XXX-819-140-426-562 XXX-819-160-426-562 (50:1)	10 1/2	15 3/8	6	18	12 1/8	DAH DAJ					
XXX-819-180-430-500 (80:1)	8 1/4	10 13/16	7 3/4	12	10 3/4	DAJ CAF					
XXX-819-180-430-564 XXX-819-300-430-500 (80:1)	11 1/4	13 3/16	7 3/4	18	13 3/4	CAG DAG DAH DAK					
XXX-819-180-428-000 (180:1)	9 11/16	13	11 11/16	12	13 1/4						
XXX-819-180-428-161 XXX-819-180-428-360 XXX-819-180-428-370 XXX-819-200-428-370 (1801)	12 11/16	15 1/4	11 11/16	18	16 1/4	DAK DAH DAJ DBA LAX					
XXX-819-240-425-138 XXX-819-420-425-000 XXX-819-480-425-000 (300:1)	11 1/8	16 1/4	14 1/2	18	9 1/4	MAY MBE DAK LAX MAZ					
VALV	E DIME	SNDISN	(IMPER	IAL:	VALVE DIMENSIONS (IMPERIAL: INCHES)						

N	ПΤ	F:	2

- 1. REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, OPERATOR AND ADAPTABILITY CODES.
- * 2. MINIMUM CLEARANCE REQUIRED FOR COVER OR COMPONENT REMOVAL.
- A 1" MOUNTING PLATE MAY BE REQUIRED WHEN USING A FIGURE 425 (300:1) GEAR OPERATOR.

		EMI	ERS	ON.	
2	08491	BCW	01/25/13	JB	01/2
NΠ	ECN	DRAWN	DATE	CHECK	DA

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10 3/8

11 3/8

12 13/16

13 3/8

15 11/16

18 1/2

21 1/16

24 3/16

27 1/16

29 15/16

32 1/16

36 9/16

42 1/2

В

6 3/32

7 3/16

7 7/8

9 3/16

10 9/16

11 15/16

14 17/32

17

19 23/32

22 1/2

25

27 1/4

29 1/2

С

6

6 5/8

7 1/2

7 9/16

8 3/4

10 1/8

11 3/8

13

14 3/8

16 1/16

17

20 3/16

23 3/8

D

1 1/2

1 1/2

1 1/2

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1 1/2

1 1/2

2 1/4

3 1/4

3 1/4

4 1/2

4 3/8

4 1/2

6 3/4

7 1/16

S

2 3/8

1 7/8

1 7/8

2 1/8

2 5/16

2 5/16

2 7/8

3 1/4

3 5/8

4 5/8

5 1/4

5 7/8

6 1/4

7 1/8

ADAPT. CODE

BAB

BAC

BAD

BAD

CAE

CAF

CAG

DAG

DAJ

DAK

DBA

LAX

SIZE

2 1/2

3

4

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8

10

12

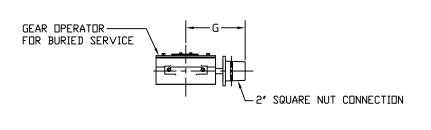
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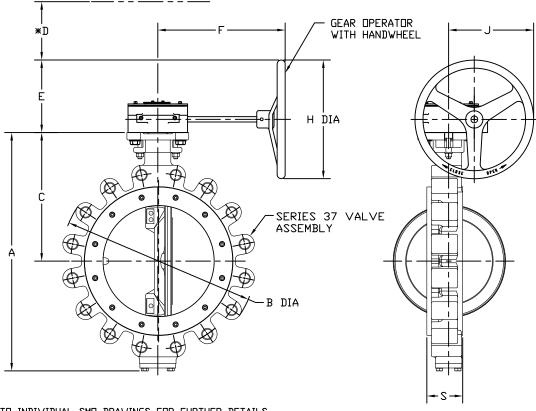
16

KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH GEAR OPERATOR

SM1309

KEYSTONE K-LOK SERIES 37 WITH GEAR OPERATOR





	GEAR OF	PER	ATOR	D.	IMENSI	JNS	(IM	PERI	AL: IN	CHES)
PAR	T NUMBER		E		F		G	Н	J	ADAPT. CODE
XXX-819	-020-423-5 (24:1)	500	4 1/8	3	7 7/16		6	6	4 13/1	BAB BAC BAD
XXX-819	-120-420-5 (30:1)	500	7 3/8	ю	12 7/8		6	12	8 5/8	CAD CAE CAF
	-140-426-5 -160-426-5 (50:1)		7 1/2	2	12 7/8		6	12	9 1/8	CAG DAG CAF
	-140-426-5 -160-426-5 (50:1)		10 1/6	12	15 3/8		6	18	12 1/8	DAH DAJ
XXX-819	-180-430-5 (80:1)	500	8 1/4	1	10 13/16	7	3/4	12	10 3/4	וויט כחע
	-180-430-5 -300-430-5 (80:1)		11 1/4	4	13 3/16	7	3/4	18	13 3/4	CAG DAG DAH DAK
	-180-428-((180:1)	000	9 11/1	6	13	11	11/16	12	13 1/4	
XXX-819 XXX-819 XXX-819	1-180-428-1 1-180-428-0 1-180-428-0 1-200-428-0 (180:1)	360 370	12 11/	16	15 1/4	11	11/16	18	16 1/4	DAK DAH DAJ DBA LAX
XXX-819 XXX-819	-240-425-1 -420-425-1 -480-425-1 (300:1)	000	11 1/8	3	16 1/4	14	1/2	18	9 1/4	MAY MBE DAK LAX MAZ
		VAI	_VE]	DI	MENSIO	NS	(ME	TRIC:	(MM	
SIZE	Α		В		С		D		2	ADAPT. CODE
	054					$\overline{}$				

	VALVE DIMENSIONS CHERICO MIN											
SIZE	Α	В	С	D	2	ADAPT. CODE						
50	254	155	152	38	60	BAB						
65	264	183	152	38	48	BAB						
80	289	200	168	38	48	BAC						
100	325	233	191	38	54	BAD						
125	340	268	192	38	59	BAD						
150	398	303	555	38	59	CAE						
200	470	369	257	57	73	CAF						
250	535	432	289	83	83	CAG						
300	614	501	330	83	92	DAG						
350	687	572	365	114	117	DAJ						
400	760	635	408	111	133	DAK						
450	814	692	432	114	149	DBA						
500	929	749	513	171	159	LAX						
600	1080	889	594	179	181	MAY						

1. REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, OPERATOR AND ADAPTABILITY CODES.

NOTES:

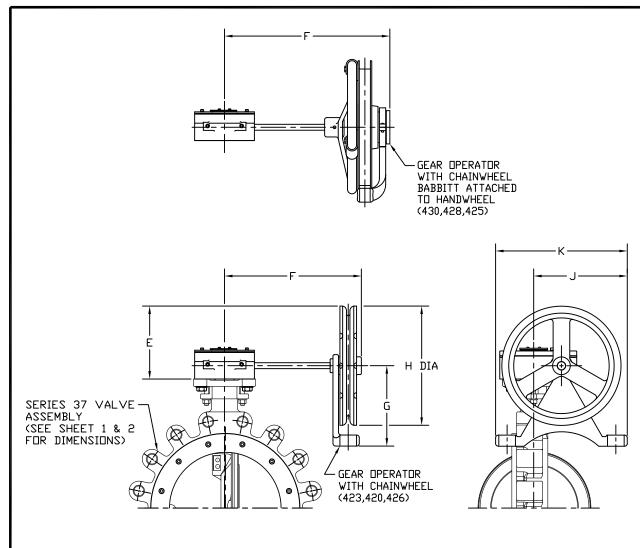
- * 2. MINIMUM CLEARANCE REQUIRED FOR COVER OR COMPONENT REMOVAL.
- 3. A 1' MOUNTING PLATE MAY BE REQUIRED WHEN USING A FIGURE 425 (300:1) GEAR OPERATOR.

		EMI	ERS	ON.	
2	08491	BCW	01/25/13	JB	01/25
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KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH GEAR OPERATOR

> SM1309 SHEET 2 OF 3

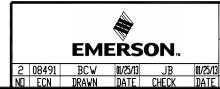
KEYSTONE K-LOK SERIES 37 WITH GEAR OPERATOR



GEAR OPERATOR	DIMEN	SIDNS	WITH (CHAINEH	IEEL (I	MPERIA	L: INCHES)
PART NUMBER	E	F	G	Н	J	К	ADAPT. CODE
XXX-819-020-423-512 (24:1)	4 5/8	7 1/16	4 1/2	7	5 9/16	7 1/2	BAB BAC BAD
XXX-819-120-420-512 (30:1)	6 3/4	12 9/16	7 1/4	10 13/16	6 1/8	7	CAD CAE CAF
XXX-819-140-426-512 XXX-819-160-426-512 (50:1)	6 15/16	12 9/16	7 1/4	10 13/16	6 5/8	7	CAG DAG CAF
XXX-819-140-426-599 XXX-819-160-426-599 (50:1)	11	19	9	19	6 5/8	7	DAH DAJ
XXX-819-180-430-512 (80:1)	8 1/2	13 1/2	6 1/4	12 1/2	8 1/4	7	DAJ CAF CAG DAG
XXX-819-300-430-512 (80:1)	11 3/4	16 3/4	9	19	9	8 1/2	DAH DAK
XXX-819-240-428-012 (180:1)	9 15/16	16 1/2	6 1/4	12 1/2	10 3/4	7	DAK DAH
XXX-819-180-428-012 XXX-819-200-428-012 (180:1)	13 3/16	17 1/2	9	19	11 1/2	8 1/2	LAX DAJ
XXX-819-420-425-012 XXX-819-480-425-012 (300:1)	11 5/8	20	9	19	4 1/2	8 1/2	DAK LAX MAZ
GEAR OPERATOR DIMENSIONS WITH CHAINEHEEL (METRIC: MM)							
GEAR OPERAT	OR DIM	ENSION	S WITH	H CHAIN	IEHEEL	(METR)	C: MM)
GEAR OPERAT	OR DIM	ENSION F	S WITH	H CHAIN	J J	(METR)	C: MM) ADAPT, CODE
PART NUMBER XXX-819-020-423-512	E	F	G	Н	J	К	ADAPT. CODE BAB BAC
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512	E 118	F 179	G 114	H 178	J 141	K 191	ADAPT. CODE BAB BAC BAD CAD CAE
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512 (30:1) XXX-819-140-426-512 XXX-819-160-426-512	E 118 172	F 179 319	G 114 184	H 178 275	J 141 156	K 191 178	ADAPT. CODE BAB BAC BAD CAD CAE CAF
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512 (30:1) XXX-819-140-426-512 XXX-819-160-426-599 XXX-819-160-426-599	E 118 172 235	F 179 319 319	G 114 184 184	H 178 275 380	J 141 156 168	K 191 178 178	ADAPT. CODE BAB BAC BAD CAD CAE CAF CAG DAG CAF DAH DAJ DAJ CAF
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512 (30:1) XXX-819-140-426-512 XXX-819-160-426-512 (50:1) XXX-819-140-426-599 XXX-819-160-426-599 XXX-819-160-426-599 XXX-819-180-420-512	E 118 172 235 180	F 179 319 319 483	G 114 184 184 229	H 178 275 380 483	J 141 156 168	K 191 178 178	ADAPT. CODE BAB BAC BAD CAD CAE CAF CAG DAG CAF DAH DAJ
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512 (30:1) XXX-819-140-426-512 XXX-819-140-426-512 XXX-819-140-426-599 XXX-819-160-426-599 (50:1) XXX-819-180-430-512 (80:1) XXX-819-300-430-512	E 118 172 235 180 216	F 179 319 319 483 343	G 114 184 184 229	H 178 275 380 483 318	J 141 156 168 168	191 178 178 178	ADAPT. CODE BAB BAC BAD CAD CAE CAF CAG DAG CAF DAH DAJ DAJ CAF CAG DAG DAH DAK
PART NUMBER XXX-819-020-423-512 (24:1) XXX-819-120-420-512 (30:1) XXX-819-140-426-512 XXX-819-140-426-512 XXX-819-140-426-599 XXX-819-160-426-599 XXX-819-180-430-512 (80:1) XXX-819-300-430-512 (80:1) XXX-819-240-428-012	E 118 172 235 180 216 299	F 179 319 319 483 343 425	G 114 184 184 229 159	H 178 275 380 483 318 483	J 141 156 168 168 210 229	178 178 178 216	ADAPT. CODE BAB BAC BAD CAD CAE CAF CAG DAG CAF DAH DAJ DAJ CAF CAG DAG

NOTE:

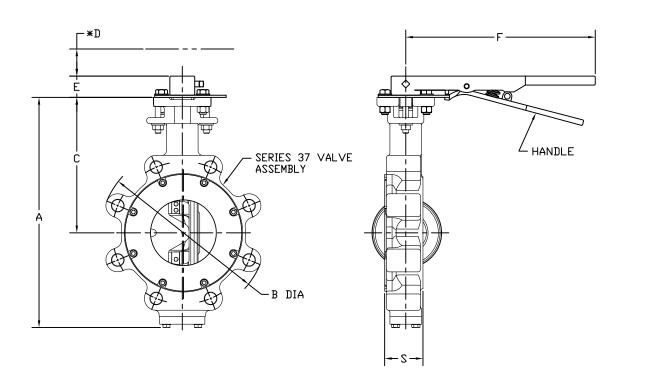
 A 1' MOUNTING PLATE MAY BE REQUIRED WHEN USING A FIGURE 425 (300:1) GEAR OPERATOR.



KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH GEAR OPERATOR

SM1309

KEYSTONE K-LOK SERIES 37 WITH HANDLE



HANDLE DIMENSIONS									
IM	IPERIAL: 1		METRIC: MM						
ADAPT. CODE	Е	F	Ą	ADAPT. E				F	
BAB	1 1/2	10 1/2		BAB		38	}		267
BAC	1 1/2	10 1/2		BAC		38	}		267
BAD	1 1/2	10 1/2		BAD		38	}		267
CAD	1 1/2	14		CAD		38	}		356
CAE	1 1/2	14		CAE		38	}		356
	VALVE	DIMENS	IONS	3 (1	ME	TRIC:	MM:)	
SIZE	SIZE A					D	S		ADAPT. CODE
50	254	155	152			38	60		BAB
65	264	183	152			38	48	}	BAB
80	289	200	16	8		38	48	}	BAC
100	325	233	19	191		38	54	ļ	BAD
125	340	268	19	192		38	59	•	BAD
150	398	303	55	222		38 59)	CAE
VA	ALVE DIN	MENSION	(I	MPE	R]	[AL: I	NCH	ES)	
SIZE	Α	В	С		D		S		ADAPT. CODE
2	10	6 3/32	6		1	1/2	2 3	/8	BAB
2 1/2	10 3/8	7 3/16	6		1	1/2	1 7.	/8	BAB
3	11 3/8	7 7/8	6 5	/8	1	1/2	1 7.	/8	BAC
4	12 13/16	9 3/16	7 1.	/2	1	1/2	2 1.	/8	BAD
5	13 3/8	10 9/16	7 9,	/16	1	1/2	2 5,	/16	BAD
6	15 11/16	11 15/16	8 3	/4	1	1/2	2 5,	/16	CAE

NOTES:

- 1. REFER TO INDIVIDUAL SMO DRAWINGS FOR FURTHER DETAILS OF VALVE, HANDLE AND ADAPTABILITY CODES.
- *2. MINIMUM CLEARANCE REQUIRED FOR REMOVAL OF HANDLE.

	F	MEF	250	N		k		
1 08491 BCW 01/25/13 JB 01/25/								
NΠ	ECN	DRAWN	DATE	CHECK	DATE			

KEYSTONE SERIES 37 HIGH PERFORMANCE ASME CLASS 300 BUTTERFLY VALVE (LUGGED) WITH HANDLE

SM1308

SHEET 1 OF 1