

Note 1: K dimension is disc chordal dimension at valve face.
 Note 2: 28 Retainer screws for size 10" and 12"
 32 Retainer screws for size 14", 16" and 20"
 38 Retainer screws for size 24"
 Note 3: 6 Disc springs in sizes 10", 12", 16" and 20"
 4 Disc springs in size 14"
 8 Disc springs in sizes 18" and 24"

** Keyway is applicable on valve sizes
 14"-54" Class 150
 10"-48" Class 300, and
 8"-30" Class 600

Dimensions are in inches and weights in lbs.
 Weights are for Cast Steel bodies, except when noted by *.
 * - Flame cut body weights. Flame Cut Steel and SS bodies vary. Please consult factory.
 ‡ - C dimension is absolute minimum pipe ID at valve face (without gasket).

IMPERIAL DIMENSIONS: Inches																			
Valve Size	A	B	C‡	D	E	F	Mounting Data			G	H**	J	K	L	Weight (lbs)	Lug Bolting Data			Weight (lbs)
							BCD	No. Holes	Hole Dia.							BCD	No. Holes	Threads UN-2B	
3	5.78	2.22	2.75	5.71	7.00	5.12	2.76	4	0.38	0.75	0.51	1.25	4.50	0.90	24*	6.62	8	3/4-10	31*
4	7.00	2.77	3.56	7.04	8.50	5.12	4.92	4	0.53	0.87	0.63	1.25	4.50	1.15	41*	8.50	8	7/8-9	58‡
6	9.75	3.34	5.38	8.57	9.75	6.12	4.92	4	0.53	1.18	0.87	2.00	4.50	1.50	79*	11.50	12	1-8	119*
8	11.80	4.23	6.88	10.80	12.25	7.75	6.50	4	0.81	1.38	.39 x .39	2.00	6.50	1.90	155*	13.75	12	1 1/8-8	227*
10	14.09	4.82	8.50	14.62	17.00	10.38	6.50	4	0.81	1.97	.47 x .39	2.50	6.50	2.15	280*	17.00	16	1 1/4-8	400*
12	16.47	5.51	10.12	15.72	18.25	10.38	6.50	4	0.81	1.97	.47 x .39	2.50	6.50	2.53	386*	19.25	20	1 1/4-8	547*
14	18.03	6.09	10.88	17.48	19.75	15.38	10.00	8	0.67	2.50	.62 x .62	4.00	11.75	2.90	549*	20.75	20	1 3/8-8	750*
16	20.38	7.00	12.62	19.41	21.75	15.38	10.00	8	0.67	3.00	.75 x .75	4.00	11.75	3.44	752*	23.75	20	1 1/2-8	1100*
18	23.15	7.75	14.60	21.05	23.75	19.50	11.73	8	0.81	3.50	.88 x .62	5.25	13.50	3.60	1090*	25.75	20	1 5/8-8	1470*
20	25.15	8.50	16.37	23.21	25.75	19.50	11.73	8	0.81	4.00	1.0 x .75	5.25	13.50	3.88	1360*	28.50	24	1 5/8-8	1850*
24	29.38	9.13	19.87	27.71	31.00	24.00	14.02	8	1.25	5.00	1.25 x .88	6.00	16.00	3.94	2160*	33.00	24	1 7/8-8	2900*
30	36.00	11.25	26.50	31.50	36.00	26.00	15.98	8	1.50	6.00	1.5 x 1.0	6.50	18.70	5.00	3500*	40.25	28	2-8	4700*

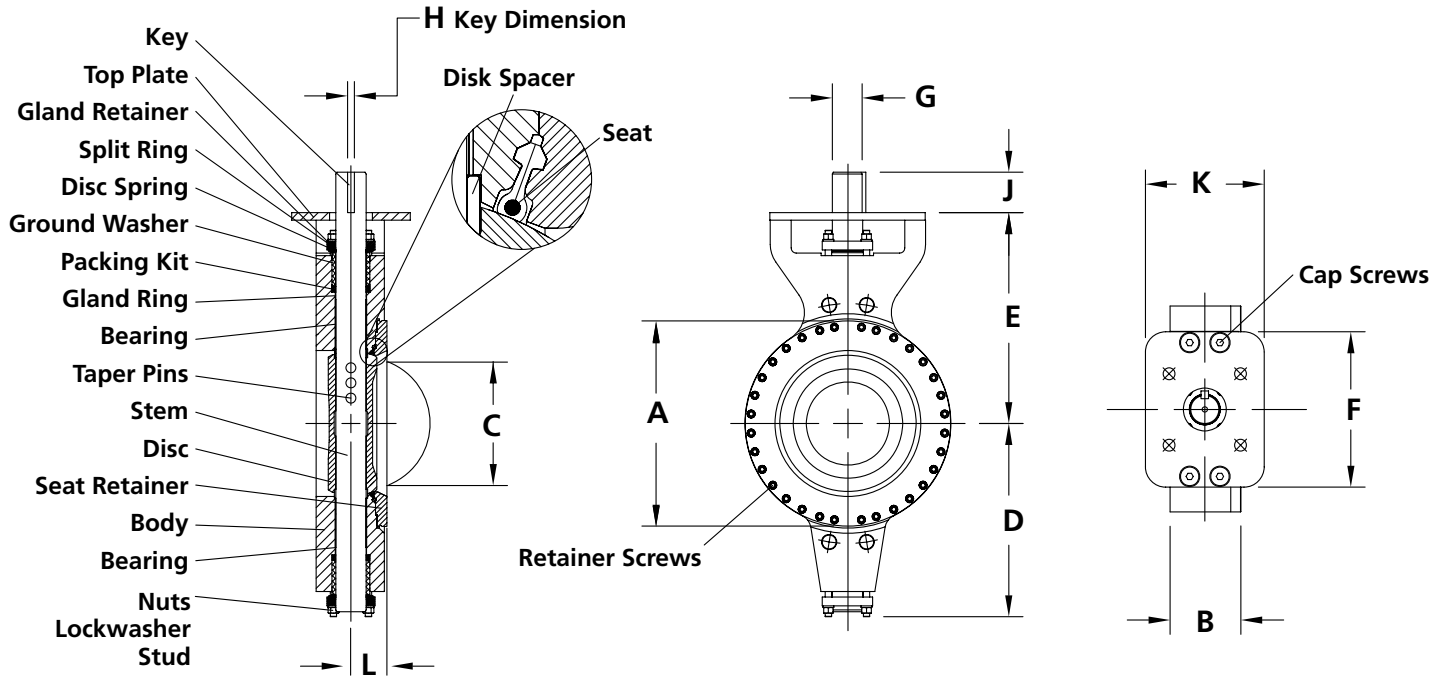
Drawings are for reference only. Please refer to Bray ES drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

SR Drawing #44/45-3/30-i August 2012- Rev. 0

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Note 1: K dimension is disc chordal dimension at valve face.
 Note 2: 28 Retainer screws for size 250mm and 300mm
 32 Retainer screws for size 350mm, 400mm and 500mm
 38 Retainer screws for size 600mm
 Note 3: 6 Disc springs in sizes 250mm, 300mm, 400mm and 500mm
 4 Disc springs in size 350mm
 8 Disc springs in sizes 450mm and 600mm

** Keyway is applicable on valve sizes
 350mm - 1400mm Class 150
 250mm - 1467mm Class 300, and
 200mm - 750mm Class 600

Dimensions are in mm and weights in kgs.
 Weights are for Cast Steel bodies, except when noted by *.
 * - Flame cut body weights. Flame Cut Steel and SS bodies vary. Please consult factory.
 ‡ - C dimension is absolute minimum pipe ID at valve face (without gasket).

METRIC DIMENSIONS: Millimeters																			
Valve Size	A	B	C ‡	D	E	F	Mounting Data			G	H**	J	K	L	Weight (kg)	Lug Bolting Data			Weight (kg)
							PCD	No. Holes	Hole Dia.							BCD	No. Holes	Threads UN-2B	
80	147	56	70	145	178	130	70	4	10	19	13	32	114	23	11	168	8	3/4-10	14
100	178	70	90	179	216	130	125	4	13	22	16	32	114	29	19	216	8	7/8-9	26
150	248	85	137	218	248	155	125	4	13	30	22	51	114	38	36	292	12	1-8	54
200	300	107	175	274	311	197	165	4	21	35	10 x 10	51	165	48	70	349	12	1 1/8-8	103
250	358	122	216	371	432	264	165	4	21	50	12 x 10	64	165	55	127	432	16	1 1/4-8	181
300	418	140	257	399	464	264	165	4	21	50	12 x 10	64	165	64	175	489	20	1 1/4-8	248
350	458	155	276	444	502	391	254	8	17	64	16 x 16	102	298	74	249	527	20	1 3/8-8	340
400	518	178	321	493	552	391	254	8	17	76	19 x 19	102	298	87	341	603	20	1 1/2-8	499
450	588	197	371	535	603	495	298	8	21	89	22 x 16	133	342.9	91	494	654	20	1 5/8-8	667
500	639	216	416	590	654	495	298	8	21	102	25 x 19	133	342.9	98.6	617	724	24	1 5/8-8	839
600	746	232	505	704	787	610	356	8	32	127	32 x 22	152	406	100	980	838	24	1 7/8-8	1315
750	914	286	673	800	914	660	406	8	38	152	38 x 25	152	475	127	1588	1022	28	2-8	2132

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