

**SERIES 22
ES-20219**

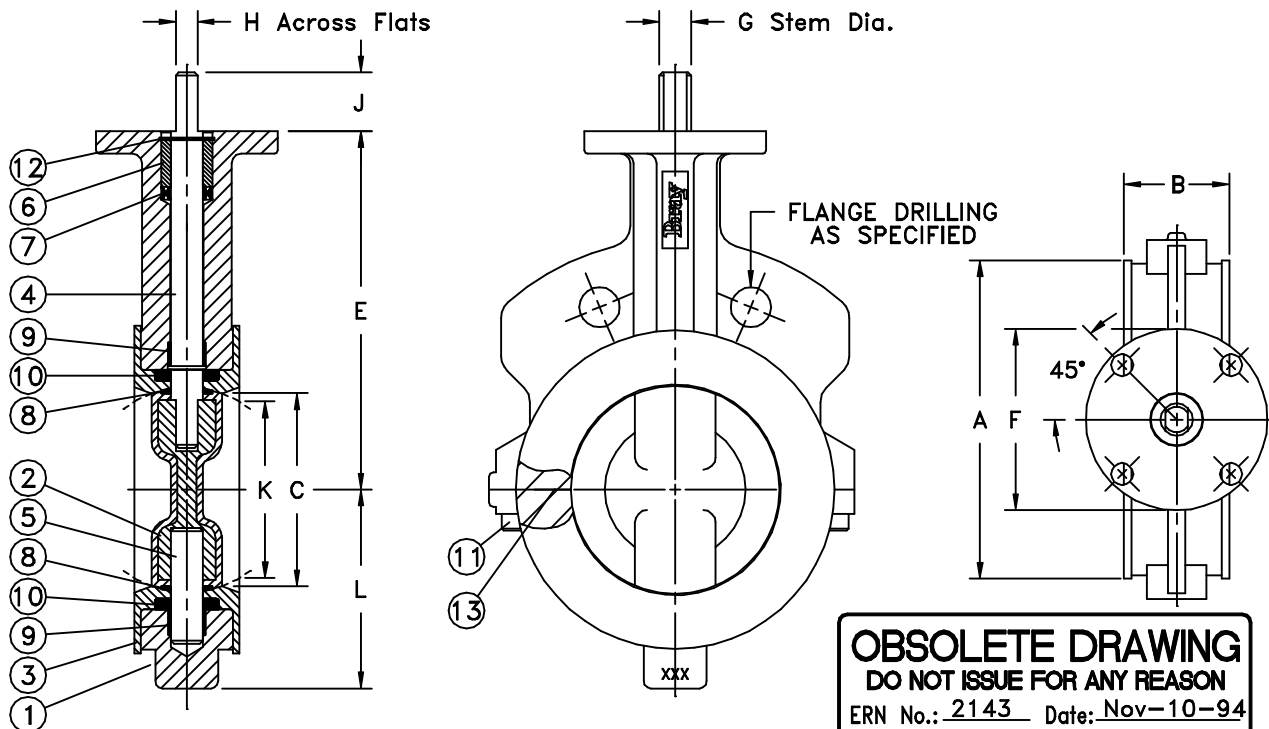
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Date: December 1993



Valve Size	A	B	C	E	F	Top BC	Plate No. of Holes	Drilling Hole Diameter	G	H	J	K	L	Adapter Code	Weight Kg.
50	98	43	51	140	90	70	4	10	14	10	32	29	56	A	2.9
65	111	46	64	152	90	70	4	10	14	10	32	45	63	A	3.4
80	127	46	76	159	90	70	4	10	14	10	32	62	71	A	3.8
100	159	52	102	178	90	70	4	10	16	11	32	88	90	B	6.1
125	187	56	127	190	90	70	4	10	19	13	32	115	109	C	7.2
150	216	56	146	203	90	70	4	10	19	13	32	136	121	C	9.3
200	270	60	197	241	150	125	4	14	22	16	32	189	153	D	17.5
250	324	68	248	273	150	125	4	14	30	22	51	239	188	E	25.8
300	378	78	298	311	150	125	4	14	30	22	51	289	214	E	37.2

Note: K dim is disc chordal dimension at valve face.



OBSOLETE DRAWING
DO NOT ISSUE FOR ANY REASON
ERN No.: 2143 Date: Nov-10-94
Status chg'd from Rev. RFP to Rev. OBS

13	BODY SEAL	2		PTFE		
12	RETAINING RING	1		STAINLESS STEEL		
11	CAP SCREW	2		STAINLESS STEEL		
10	SEAT ENERGIZER	2		SILICONE RUBBER		
9	BEARING	2		COMPOSITE		
8	SEAL CAPSULE	2		PTFE		
7	STEM SEAL	1		VITON		
6	BUSHING	1		ACETAL		
5	LOWER STEM	1		STAINLESS STEEL		
4	UPPER STEM	1		STAINLESS STEEL		
3	SEAT	1		VIRGIN PTFE		
2	DISC	1		PTFE/S. STL		
1	BODY	1		DUCTILE IRON		
ITEM No.	NAME	No. REQUIRED	SERIES/PART No.	MATERIAL	ASTM SPECIFICATION	DIN SPECIFICATION

Valve Size _____ Flg. Drilling _____	 <p>BRAY VALVE & CONTROLS A Subsidiary of BRAY INTERNATIONAL, Inc.</p>											
Pressure Rating _____												
Customer/Project _____												
Inq./P.O. No. _____												
Bray Order No. _____												
Certified Correct By _____ Date _____	<p align="center">DIMENSIONAL DRAWING (Metric) FOR SERIES 22 SIZES 50 THRU 300</p> <table border="1"> <thead> <tr> <th>Series</th> <th>Size</th> <th>Part No.</th> <th>Material Trim Code</th> <th>Drawing No.</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>ES-20219</td> </tr> </tbody> </table>		Series	Size	Part No.	Material Trim Code	Drawing No.					ES-20219
Series	Size	Part No.	Material Trim Code	Drawing No.								
				ES-20219								

**SERIES 23
ES-20220**

ATTENTION

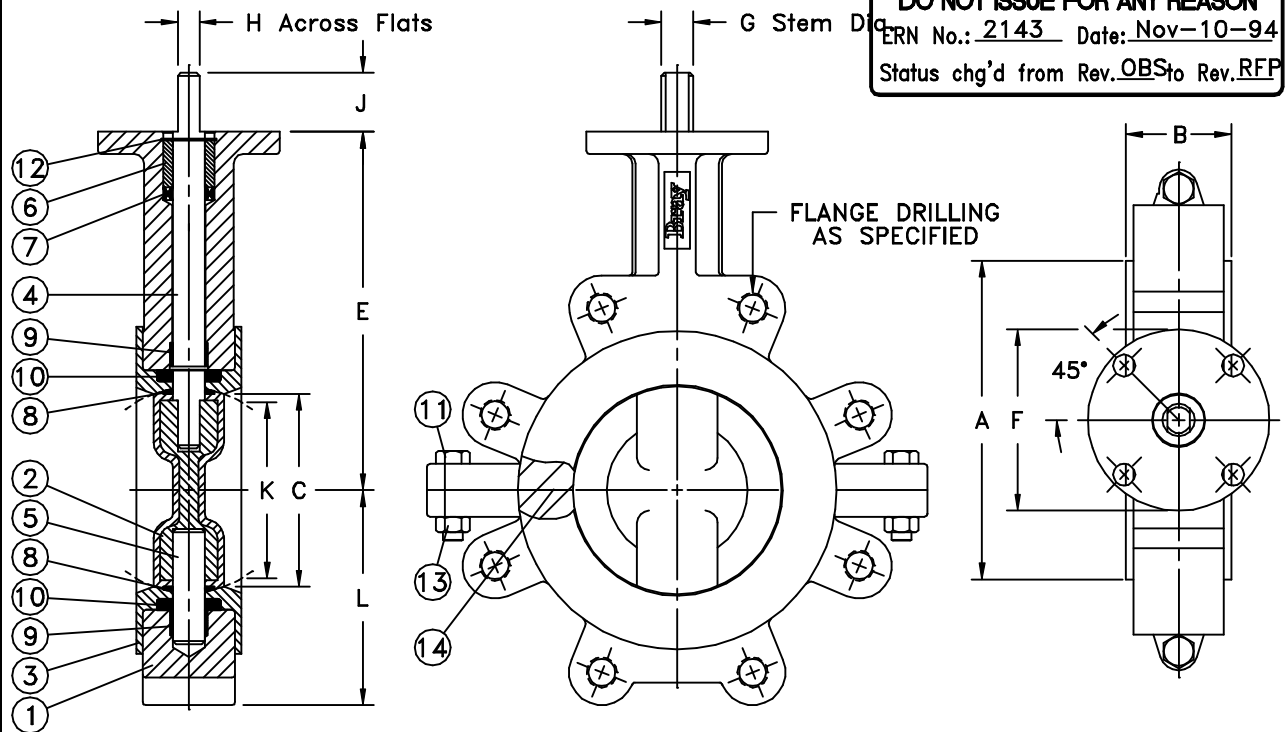
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Date: December 1993

Valve Size	A	B	C	E	F	BC	Top Plate No. of Holes	Drilling Hole Diameter	G	H	J	K	L	Lug BC	Bolting No. of Holes	Data Threads ISO Coarse	Adapter Code	Weight Kg.
50	98	43	51	140	90	70	4	10	14	10	32	29	58				A	3.5
65	111	46	64	152	90	70	4	10	14	10	32	45	63				A	4.5
80	127	46	76	159	90	70	4	10	14	10	32	62	71				A	5.0
100	159	52	102	178	90	70	4	10	16	11	32	88	104				B	8.0
125	187	56	127	190	90	70	4	10	19	13	32	115	117				C	9.5
150	216	56	146	203	90	70	4	10	19	13	32	136	129				C	13.0
200	270	60	197	241	150	125	4	14	22	16	32	189	155				D	23.5
250	324	68	248	273	150	125	4	14	30	22	51	239	195				E	34.5
300	378	78	298	311	150	125	4	14	30	22	51	289	229				E	52.5

Note: K dim is disc chordal dimension at valve face.

**OBSOLETE DRAWING
DO NOT ISSUE FOR ANY REASON**
ERN No.: 2143 Date: Nov-10-94
Status chg'd from Rev. OBS to Rev. RFP



14	BODY SEAL	2		PTFE		
13	NUT	2		STAINLESS STEEL		
12	RETAINING RING	1		STAINLESS STEEL		
11	CAP SCREW	2		STAINLESS STEEL		
10	SEAT ENERGIZER	2		SILICONE RUBBER		
9	BEARING	2		COMPOSITE		
8	SEAL CAPSULE	2		PTFE		
7	STEM SEAL	1		VITON		
6	BUSHING	1		ACETAL		
5	LOWER STEM	1		STAINLESS STEEL		
4	UPPER STEM	1		STAINLESS STEEL		
3	SEAT	1		VIRGIN PTFE		
2	DISC	1		PTFE/S. STL		
1	BODY	1		DUCTILE IRON		

ITEM No.	NAME	No. REQUIRED	SERIES/PART No.	MATERIAL	ASTM SPECIFICATION	DIN SPECIFICATION
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Valve Size _____ Flg. Drilling _____	<p>The High Performance Company BRAY VALVE & CONTROLS A Subsidiary of BRAY INTERNATIONAL, Inc.</p> <p>DIMENSIONAL DRAWING (Metric) FOR SERIES 23 SIZES 50 THRU 300</p> <table border="1"> <thead> <tr> <th>Series</th> <th>Size</th> <th>Part No.</th> <th>Material Trim Code</th> <th>Drawing No.</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>ES-20220</td> </tr> </tbody> </table>	Series	Size	Part No.	Material Trim Code	Drawing No.					ES-20220
Series		Size	Part No.	Material Trim Code	Drawing No.						
					ES-20220						
Pressure Rating _____											
Customer/Project _____											
Inq./P.O. No. _____											
Bray Order No. _____											
Certified Correct By _____ Date _____											

**SERIES 23
ES-20218**

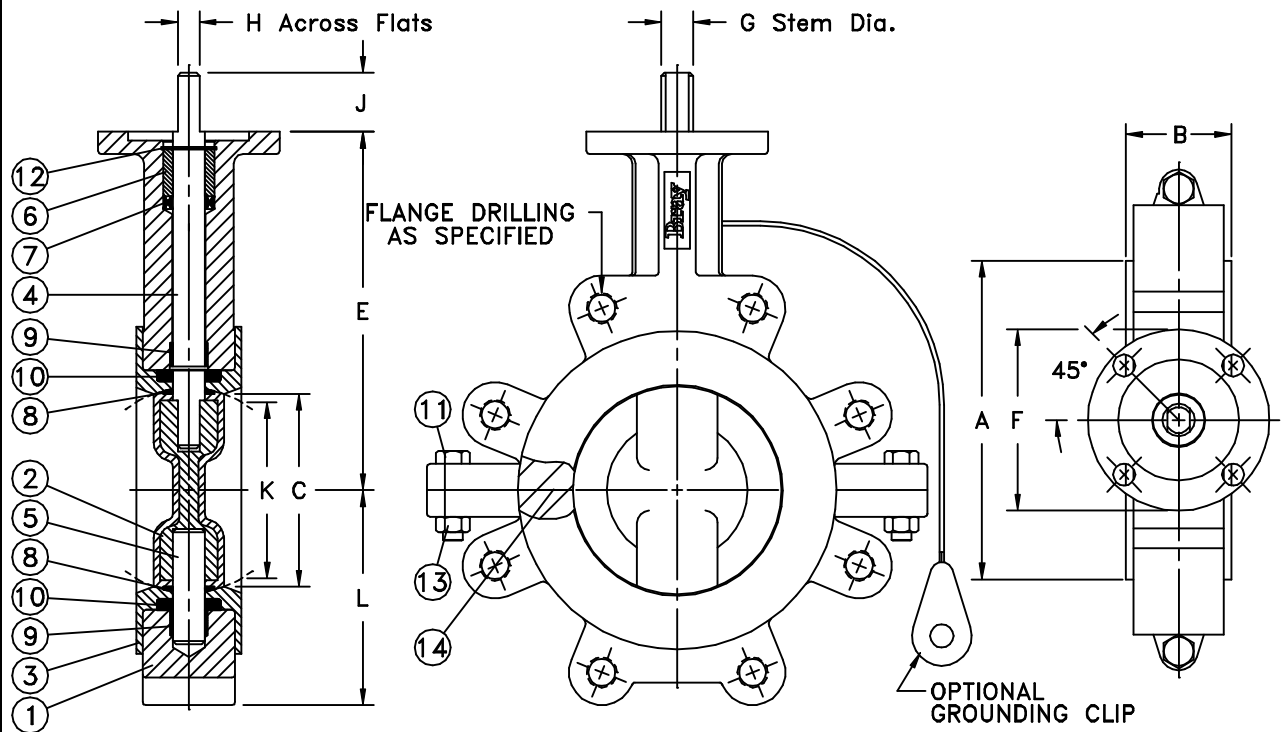
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100	159	52	102	178	90	70	4	10	16	11	32	88	104				B	8.0
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ITEM No.	NAME	No. REQUIRED	SERIES/PART No.	MATERIAL	ASTM SPECIFICATION	DIN SPECIFICATION
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Valve Size _____ Flg. Drilling _____	<p>Bray</p>			
Pressure Rating _____				
Customer/Project _____				
Inq./P.O. No. _____				
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Certified Correct By _____ Date _____				
<p>BRAY VALVE & CONTROLS A Subsidiary of BRAY INTERNATIONAL, Inc.</p>				
<p>DIMENSIONAL DRAWING (Metric) FOR SERIES 23 SIZES 50 THRU 300</p>				
Series	Size	Part No.	Material Trim Code	Drawing No.
				ES-20218

**SERIES 22
ES-20217**

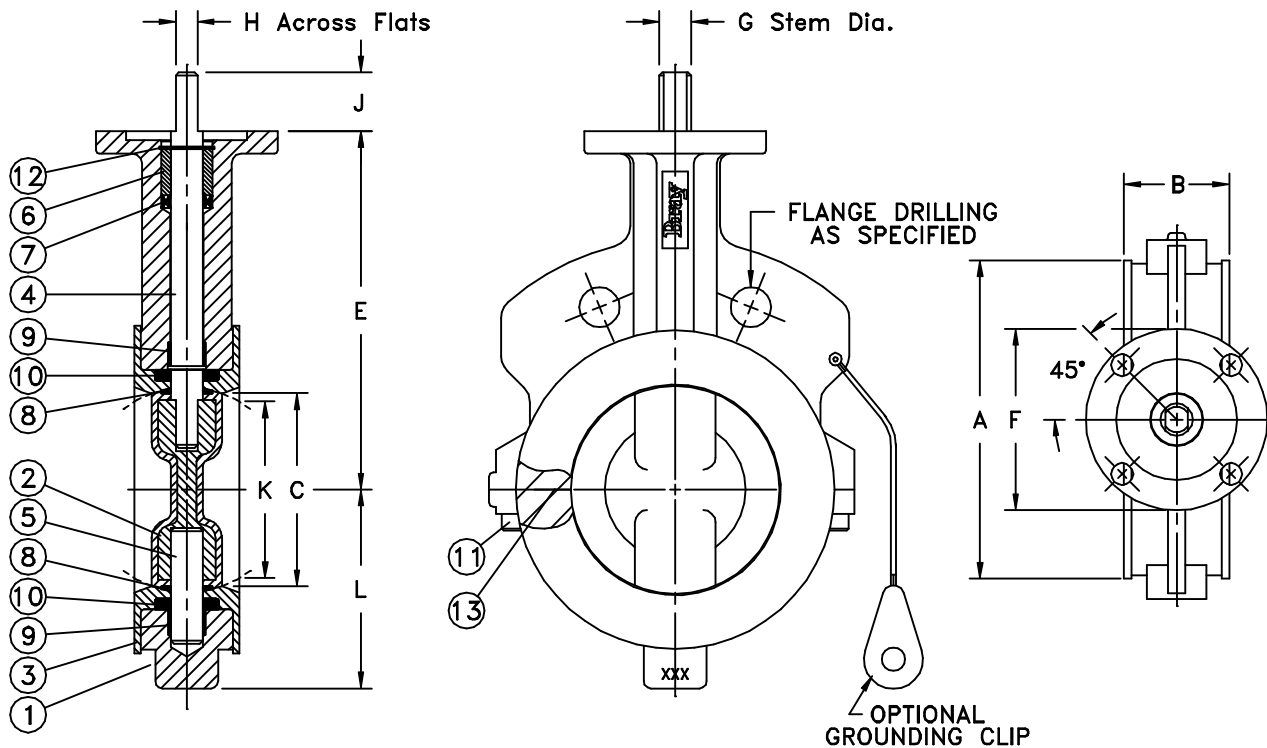
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9	BEARING	2		COMPOSITE		
8	SEAL CAPSULE	2		PTFE		
7	STEM SEAL	1		VITON		
6	BUSHING	1		ACETAL		
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3	SEAT	1		VIRGIN PTFE		
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ITEM No.	NAME	No. REQUIRED	SERIES/PART No.	MATERIAL	ASTM SPECIFICATION	DIN SPECIFICATION
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Valve Size _____ Flg. Drilling _____
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The High Performance Company
BRAY VALVE & CONTROLS
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**DIMENSIONAL DRAWING (Metric) FOR
 SERIES 22 SIZES 50 THRU 300**

Series	Size	Part No.	Material Trim Code	Drawing No.
				ES-20217

