-NOW AVAILABLE FOR SHIPMENTTHIP-

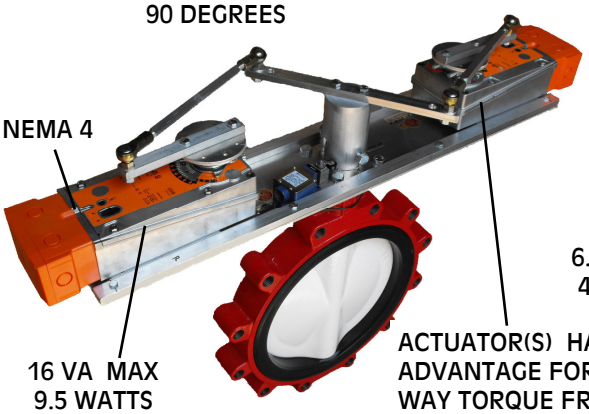
AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 16"

AMB & GMB NON-SPRING RETURN ACTUATORS
AFB & EFB SPRING RETURN ACTUATORS

NEMA 2 RATED ACTUATOR HOUSING

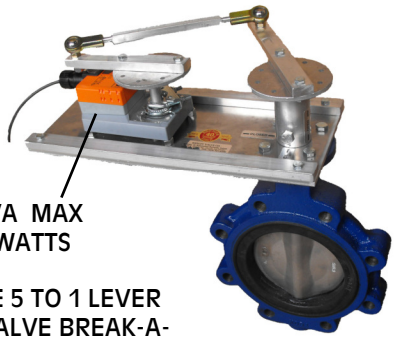
ACTUATOR ROTATES 90 DEGREES



NEMA 4

16 VA MAX
9.5 WATTS

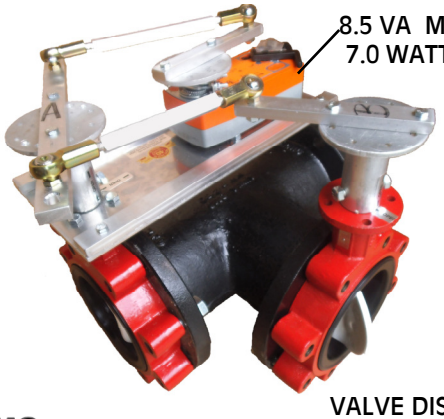
ACTUATOR(S) HAVE 5 TO 1 LEVER ADVANTAGE FOR VALVE BREAK-A-WAY TORQUE FROM RUBBER LINER



6.5 VA MAX
4.5 WATTS

3-WAY ASSEMBLIES

8.5 VA MAX
7.0 WATTS



VALVE DISC ROTATES 70 DEGREES

TIGHT OR PRECISE CONTROL REQUIRES NUMEROUS MODULATING VALVE DISC REPOSITIONS —

90 TO 60 DEGREE (1.5 TO 1 RATIO) VALVE TURN ASSEMBLY INCREASES VALVE DISC POSTIONS (RESOLUTIONS) BY 50%

ADVANTAGE OF SELECTING A VALVE ASSEMBLY WITH BELIMO ACTUATORS

A.) Valve Assembly at Low Cost

B.) Superior Modulating Resolution for 0-10 VDC/4-20mA Control Signals

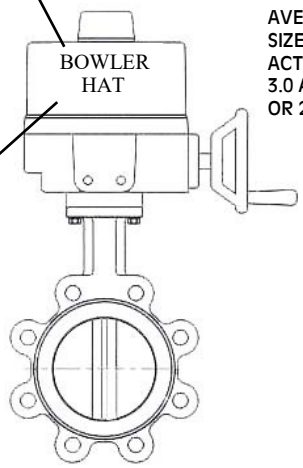
C.) Minimal Replacement of Actuator During Warranty Period

D.) 20 Year Life Expectancy

DID YOU KNOW ?

WESLEY VALVE CO. IS THE ONLY SUPPLIER OF AUTOMATED BUTTERFLY VALVE ASSEMBLIES WITH BELIMO ACTUATORS LARGER THAN 6" (SIX INCHES)

BUTTERFLY VALVE ASSEMBLIES WITH 1/4 TURN BOWLER HAT TYPE ACTUATORS HAVE A LIMITED AMOUNT OF MODULATING VALVE DISC REPOSITIONS (RESOLUTION) RESULT-ING IN EXCESSIVE VALVE CYCLING, PREMATURE VALVE WEAROUT, AND



AVERAGE SIZE 120 VAC ACTUATOR 3.0 AMP DRAW OR 215 WATTS

REQUIRES ELECTRIC ANTI CONDENSATE HEATER FOR OUTDOORS OR HIGH HUMIDITY

90 DEG 1/4 TURN VALVE ASSEMBLIES WITH BOWLER HAT TYPE ACTUATORS ARE NOT RECOMMENDED WHERE TIGHT & STABLE FLOW CONTROL IS

WESLEY VALVE CO.
MFGRS OF AUTOMATED BUTTERFLY VALVES
PHN: (404) 351-8744 FAX: (404) 351-9340
www.wesleyvalve.com

NOW AVAILABLE 14" & 16"
SPRING RETURN VALVE ASSEMBLIES

APPLICATIONS

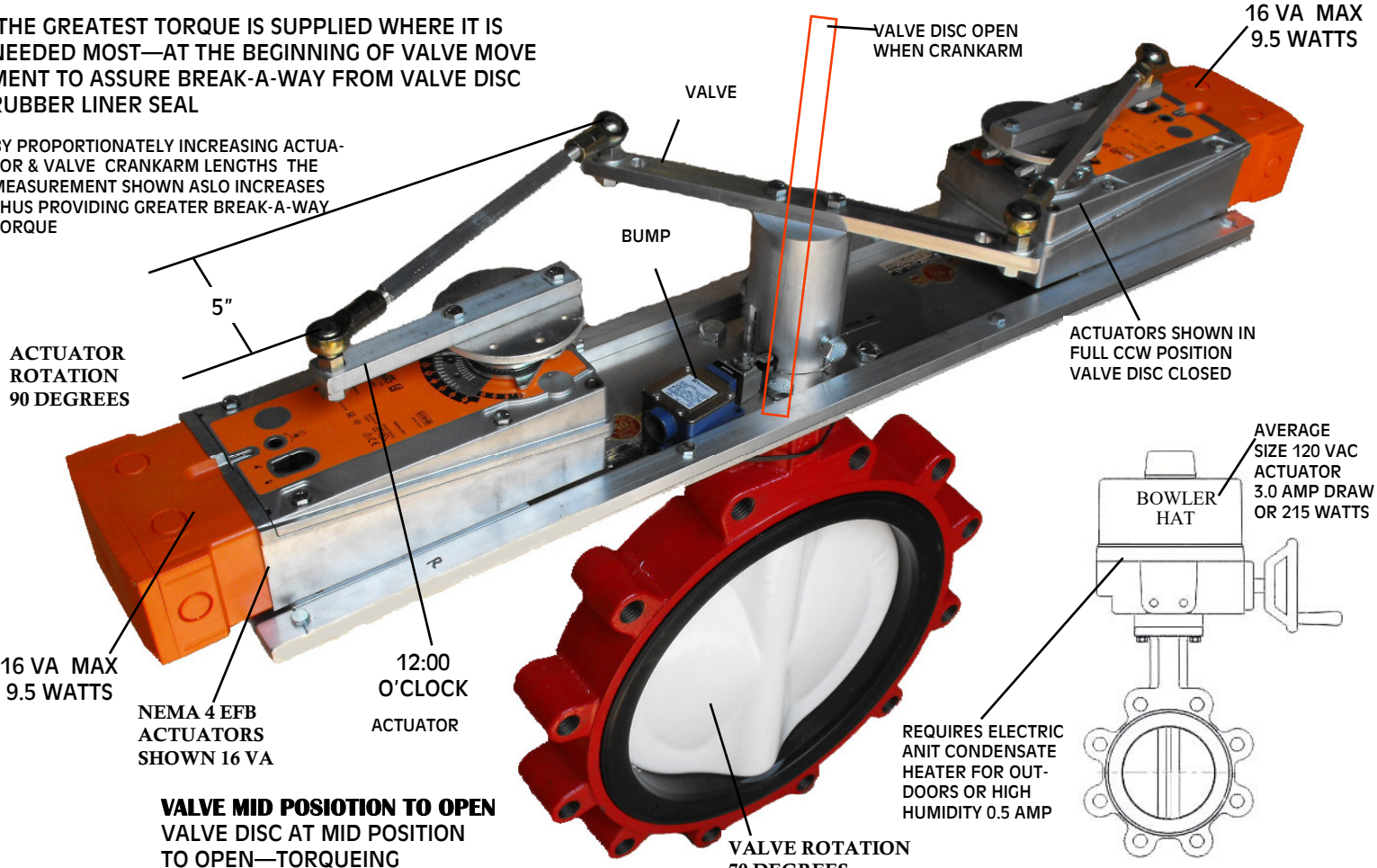
A. IDEALLY SUITED FOR CHILLER & COOLING TOWER ISOLATION
B. COOLING TOWER MODULATING 3-WAY DIVERTING VALVE CONTROL

DIRECT COUPLED ACTION AS DESIGNED
BELIMO SERIES EFB SPRING RETURN ACTUATOR TORQUE RATING IS 270 IN. LB. DUAL ACTUATOR TORQUE RATING IS 540 IN. LB.

REMOTE ROTARY ACTION
BREAK-A-WAY TORQUEING IS 5 TIMES GREATER DUE TO THE LEVER ADVANTAGE OR 2700 IN. LB.

*THE GREATEST TORQUE IS SUPPLIED WHERE IT IS NEEDED MOST—AT THE BEGINNING OF VALVE MOVE MENT TO ASSURE BREAK-A-WAY FROM VALVE DISC RUBBER LINER SEAL

BY PROPORTIONATELY INCREASING ACTUA-TOR & VALVE CRANKARM LENGTHS THE MEASUREMENT SHOWN ASLO INCREASES THUS PROVIDING GREATER BREAK-A-WAY TORQUE



VALVE MID POSIOTION TO OPEN
VALVE DISC AT MID POSITION TO OPEN—TORQUEING ADVANTAGE DECREASES AT WORST TO (1.5 TO 1) 540 IN. LB.

90 TO 60 DEG VALVE TURN ASSEMBLY INCREASES DISC REPOSITIONS (RESOLUTION) BY 50%

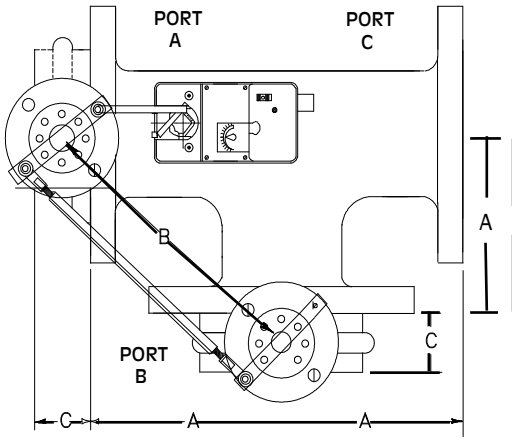
BUTTERFLY VALVE
2-WAY VALVE ASSEMBLY

AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS

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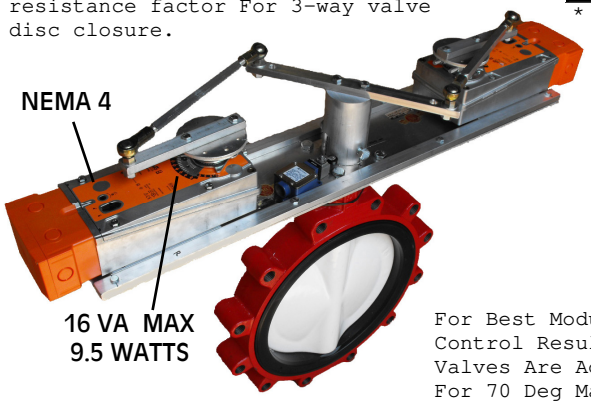
AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS

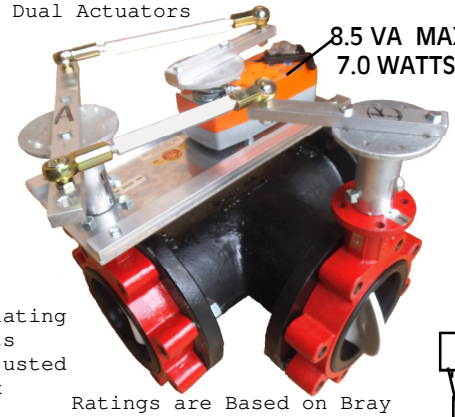


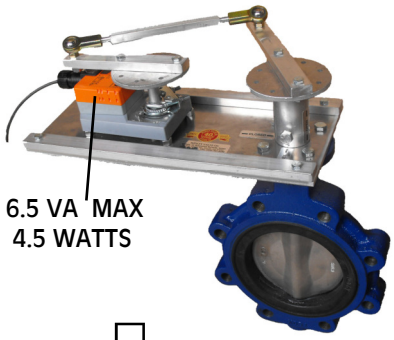
System pressure is normally not a resistance factor For 3-way valve disc closure.

ACTUATOR PART # * = DUAL ACTUATORS	SIZE	A DIM.	B DIM.	C DIM.	Cv	Max. Close Rating	Bubble Leak Occur.
GMB, AFB SERIES	2	4.5	7 1/2	1 5/8	84	125	125#
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GMB, AFB SERIES	3	5.5	9 3/16	1 3/4	267	110	125#
GMB, AFB SERIES	4	6.5	10 3/4	2.0	496	90	50#
GMB, AFB SERIES	5	7.5	12 1/4	2 1/8	775	60	50#
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GMB, EFB SERIES	10	11	17 3/4	2 1/2	2948	40	50#
*GMB or *EFB	12	12	19 3/4	3.0	4393	60	50#
*GMB or *EFB	14	14	21 3/4	3.0	5939	40	50#
*GMB or *EFB	16	15	24 3/4	4.0	7867	25	50#

* = Dual Actuators

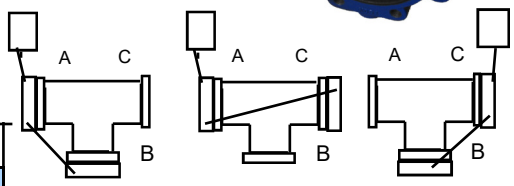






For Best Modulating Control Results Valves Are Adjusted For 70 Deg Max Opening

Ratings are Based on Bray S31-120 Valve Bodies



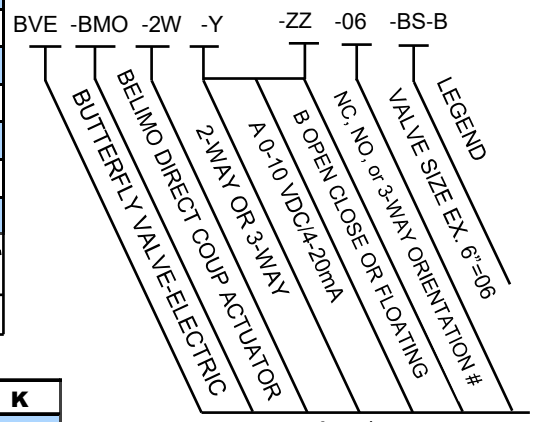
3-WAY VALVE ORIENTATIONS

Dual Spring Return Actuators For

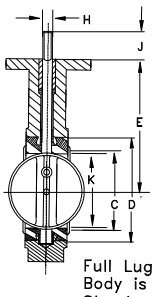
STANDARD VALVE BODY FEATURES

- ☐ EPDM Rubber liner
- ☐ Stainless Steel or Nylon Coated Disc
- Stainless Steel Shaft
- ☐ Full Threaded Lug
- ☐

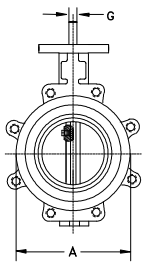
SIZE	CV							
2	144	84	61	43	27	16	7	1
2.5	282	163	107	67	43	24	11	1.5
3	461	267	154	96	61	35	15	2
4	841	496	274	171	109	62	27	3
5	1,376	775	428	268	170	98	43	5
6	1,850	1,025	567	354	225	129	56	6
8	3,316	1,862	1,081	680	421	241	102	12
10	5,430	2,948	1,710	1,076	667	382	162	19
12	8,077	4,393	2,563	1,594	1,005	555	235	27
14	10,538	5,939	3,384	2,149	1,320	756	299	34
16	13,966	7,867	4,483	2,847	1,749	1,001	397	45
	90°	70°	60	50°	40°	30°	20°	10°

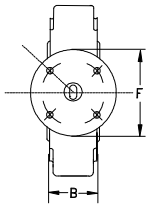


DIMENSIONS



Full Lug Body is Standard





SIZE	A	B	D	E	F	G	H	J	K
2"	3.69	1.62	2.84	5.50	3.54	.55	.39	1.25	1.32
2.5"	4.19	1.75	3.34	6.00	3.54	.55	.39	1.25	1.91
3"	4.88	1.75	4.03	6.25	3.54	.55	.39	1.25	2.55
4"	6.06	2.00	5.16	7.00	3.54	.63	.43	1.25	3.57
5"	7.12	2.12	6.16	7.50	3.54	.75	.51	1.25	4.63
6"	8.12	2.12	7.02	8.00	3.54	.75	.51	1.25	5.45
8"	10.50	2.50	9.47	9.50	5.91	.87	.63	1.25	7.45
10"	12.75	2.50	11.47	10.75	5.91	1.18	.87	2.00	9.53
12"	14.88	3.00	9.47	9.50	5.91	1.18	.87	2.00	11.47
14"	17.05	3.00	15.28	13.62	5.91	1.38	N/A	2.00	13.04
16"	19.21	4.00	17.41	14.75	5.91	1.38	N/A	2.00	14.85

Part Numbering System

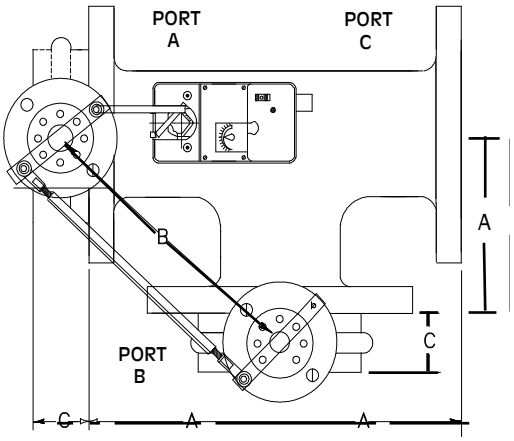
BS = Valve Bump Switch
Aux = Actuator Aux Sw
SR = Spring Return
B = Bray P = Pratt
WP = NEMA 4 WeatherProof

Legend

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File:BMODirectCoupData

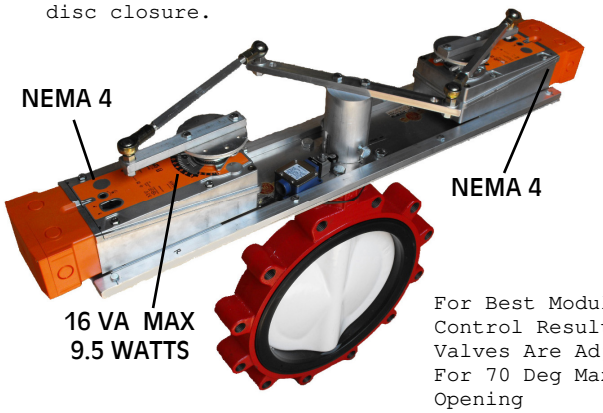
AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS



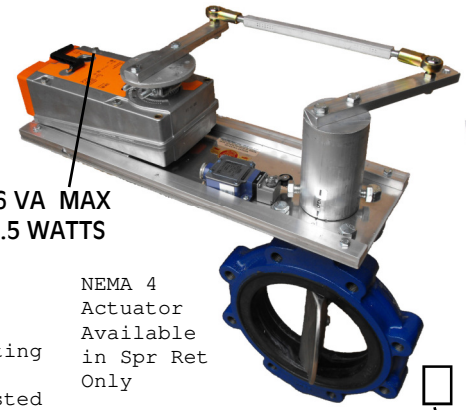
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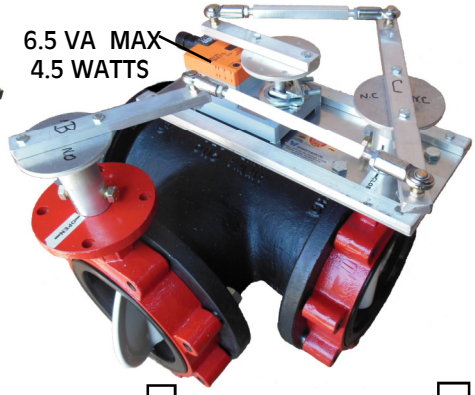
* = Dual Actuators



For Best Modulating Control Results Valves Are Adjusted For 70 Deg Max Opening



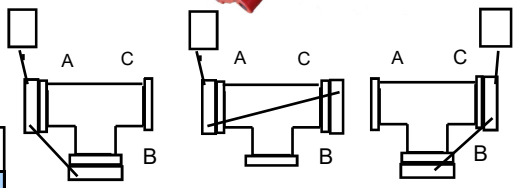
NEMA 4 Actuator Available in Spr Ret Only



Ratings are Based on Keystone 222 Valve Bodies

Dual Spring Return Actuators For 8", 10", & 12"

SIZE	CV VALUES							
2	60	52	40	26	14	5	1.3	0
2.5	150	107	74	44	21	6	1.4	0
3	262	175	115	67	29	8	1.5	0
4	647	463	318	196	107	48	15	1
5	1,141	832	579	362	206	99	32	3
6	1,580	1,160	810	510	295	145	47	4
8	2,892	1,754	1,190	751	450	239	84	6
10	4,593	2,524	1,683	1,064	652	360	133	9
12	6,682	3,470	2,288	1,449	899	509	192	12
	90°	70°	60	50°	40°	30°	20°	10°

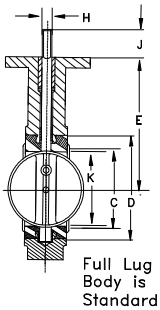


2: A CLOSED B OPEN
3: A OPEN B CLOSED
4: A CLOSED C OPEN
5: A OPEN C CLOSED
6: C CLOSED B OPEN
7: C OPEN B CLOSED

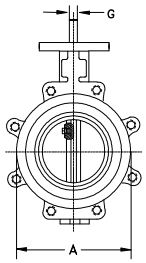
3-WAY VALVE ORIENTATIONS

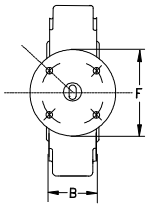
STANDARD VALVE BODY FEATURES

- ☐ EPDM Rubber liner
- ☐ Stainless Steel or Nylon Coated Disc
- ☐ Stainless Steel Shaft
- ☐ Full Threaded Lug



Full Lug Body is Standard





DIMENSIONS

SIZE	A	B	D	E	F	G	H	J	K
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4"	6.06	2.06	5.16	7.00	3.54	.63	.43	1.25	3.57
5"	7.12	2.25	6.16	7.50	3.54	.75	.51	1.25	4.63
6"	8.12	2.25	7.02	8.00	3.54	.75	.51	1.25	5.45
8"	10.50	2.37	9.47	9.50	5.91	.87	.63	1.25	7.45
10"	12.75	2.68	11.47	10.75	5.91	1.18	.87	2.00	9.53
12"	14.88	3.12	9.47	9.50	5.91	1.18	.87	2.00	11.47

Full Cut Valve Bodies with 270 in/lb Actuators



Part Numbering System

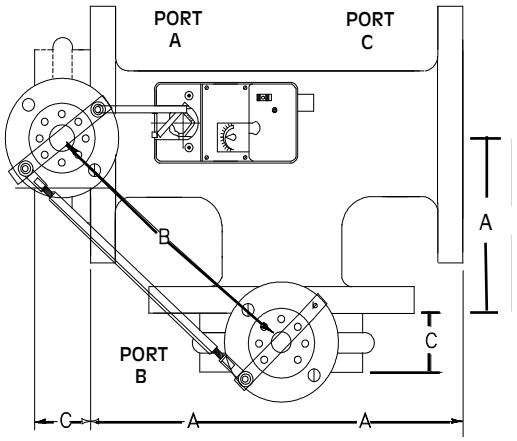
Legend

BS = Valve Bump Switch
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SR = Spring Return
BFC = Bray Full Cut Valve
WP = NEMA 4 WeatherProof

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File:BMODirectCoupData-HiCO

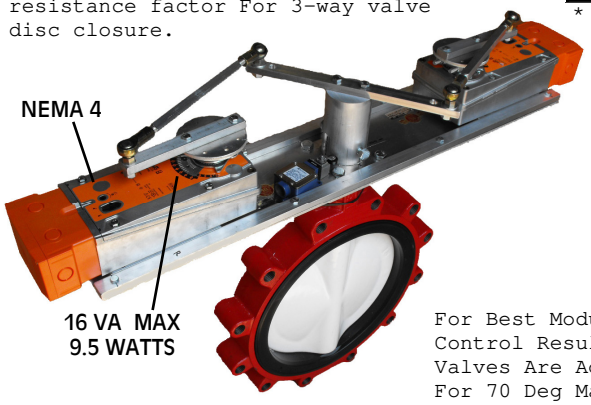
AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS



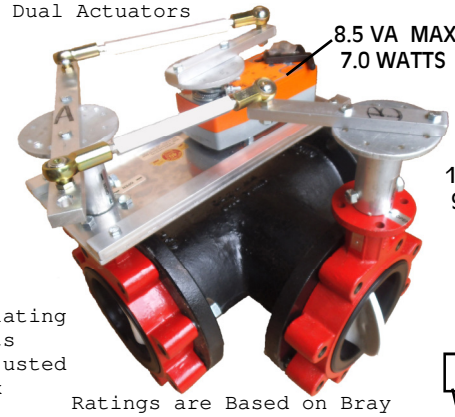
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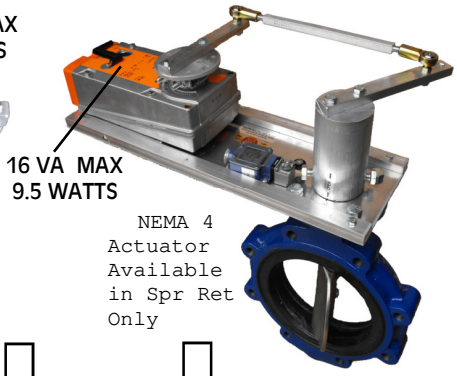
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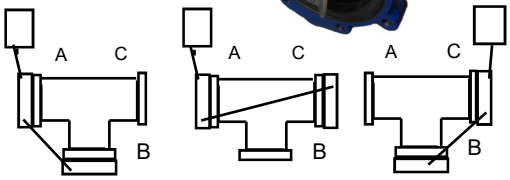
NEMA 4 Actuator Available in Spr Ret Only

Chiller Head Pressure Valve Assemblies

STANDARD VALVE BODY FEATURES

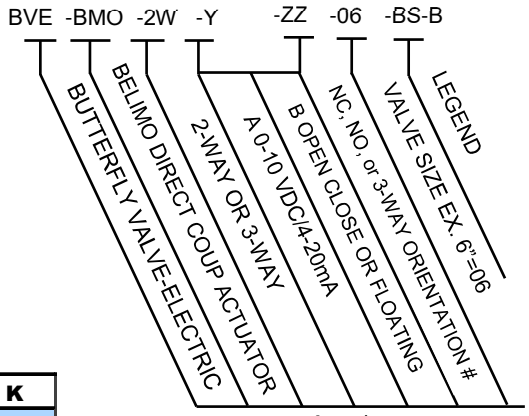
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- ☐ Stainless Steel Shaft
- ☐ Full Threaded Lug

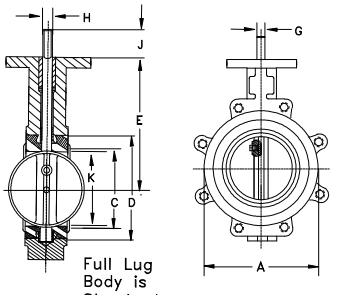
SIZE	CV VALUES							
2	144	84	61	43	27	16	7	1
2.5	282	163	107	67	43	24	11	1.5
3	461	267	154	96	61	35	15	2
4	841	496	274	171	109	62	27	3
5	1,376	775	428	268	170	98	43	5
6	1,850	1,025	567	354	225	129	56	6
8	3,316	1,862	1,081	680	421	241	102	12
10	5,430	2,948	1,710	1,076	667	382	162	19
12	8,077	4,393	2,563	1,594	1,005	555	235	27
14	10,538	5,939	3,384	2,149	1,320	756	299	34
16	13,966	7,867	4,483	2,847	1,749	1,001	397	45
	90°	70°	60	50°	40°	30°	20°	10°



2: A CLOSED B OPEN
3: A OPEN B CLOSED
4: A CLOSED C OPEN
5: A OPEN C CLOSED
6: C CLOSED B OPEN
7: C OPEN B CLOSED

3-WAY VALVE ORIENTATIONS





Full Lug Body is Standard

DIMENSIONS

SIZE	A	B	D	E	F	G	H	J	K
2"	3.69	1.62	2.84	5.50	3.54	.55	.39	1.25	1.32
2.5"	4.19	1.75	3.34	6.00	3.54	.55	.39	1.25	1.91
3"	4.88	1.75	4.03	6.25	3.54	.55	.39	1.25	2.55
4"	6.06	2.00	5.16	7.00	3.54	.63	.43	1.25	3.57
5"	7.12	2.12	6.16	7.50	3.54	.75	.51	1.25	4.63
6"	8.12	2.12	7.02	8.00	3.54	.75	.51	1.25	5.45
8"	10.50	2.50	9.47	9.50	5.91	.87	.63	1.25	7.45
10"	12.75	2.50	11.47	10.75	5.91	1.18	.87	2.00	9.53
12"	14.88	3.00	9.47	9.50	5.91	1.18	.87	2.00	11.47
14"	17.05	3.00	15.28	13.62	5.91	1.38	N/A	2.00	13.04
16"	19.21	4.00	17.41	14.75	5.91	1.38	N/A	2.00	14.85

Part Numbering System

BS = Valve Bump Switch
Aux = Actuator Aux Sw
SR = Spring Return
B = Bray P = Pratt
WP = NEMA 4 WeatherProof

Legend

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