



-NOW AVAILABLE FOR SHIPMENTTHIP-

AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 16"

AMB & GMB NON-SPRING RETURN ACTUATORS

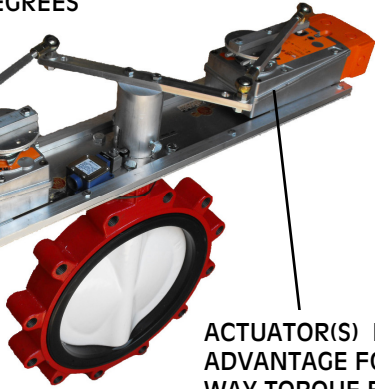
AFB & EFB SPRING RETURN ACTUATORS

NEMA 2 RATED ACTUATOR HOUSING

ACTUATOR ROTATES
90 DEGREES

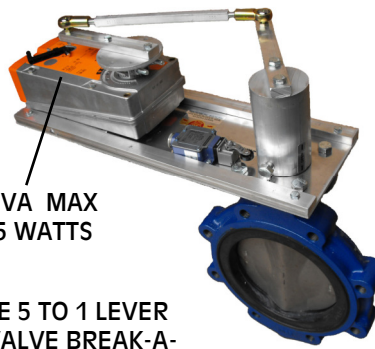
NEMA 4

16 VA MAX
9.5 WATTS



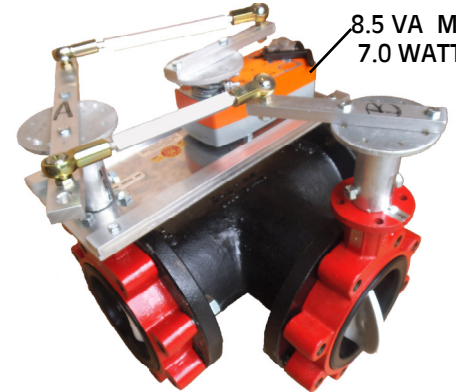
ACTUATOR(S) HAVE 5 TO 1 LEVER
ADVANTAGE FOR VALVE BREAK-A-
WAY TORQUE FROM RUBBER LINER

16 VA MAX
9.5 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 POSITIONS (RESOLUTIONS) BY 50%

ADVANTAGE OF SELECTING A VALVE ASSEMBLY WITH BELIMO ACTUATORS

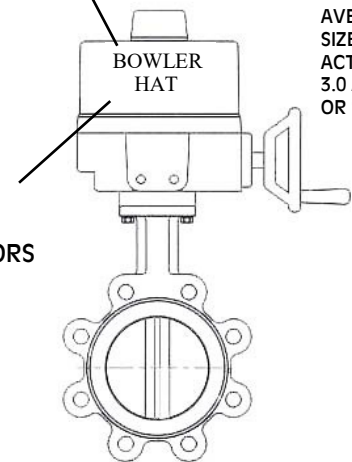
- A.) Valve Assembly at Low Cost
- B.) Superior Modulating Resolution for
0-10 VDC/4-20mA Control Signals
- C.) Minimal Replacement of Actuator
During Warranty Period
- D.) 20 Year Life Expectancy

DID YOU KNOW ?

WESLEY VALVE CO. IS THE ONLY
SUPPLIER OF AUTOMATED BUTTER-
FLY 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

REQUIRES ELECTRIC
ANTI CONDENSATE
HEATER FOR OUTDOORS
OR HIGH HUMIDITY



AVERAGE
SIZE 120 VAC
ACTUATOR
3.0 AMP DRAW
OR 215 WATTS

**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

3229 North L Street
Pensacola, FL 32505

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

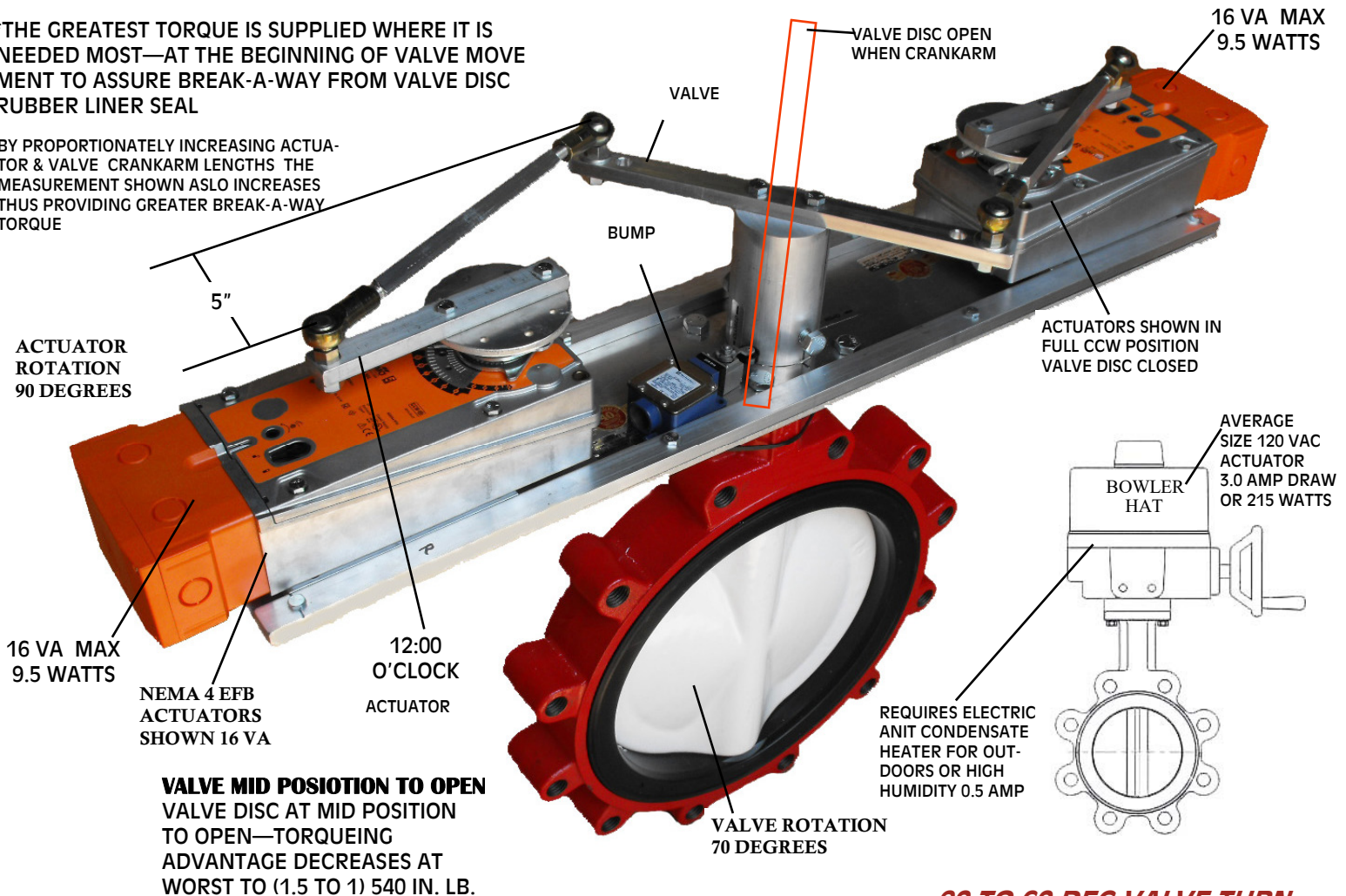
BELIMO SERIES EFB SPRING RETURN ACTUATOR
TORQUE RATING IS 270 IN. LB. DUAL ACTUATOR
TORQUE RATING IS 540 IN. LB.

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.

BUTTERFLY VALVE **2-WAY VALVE ASSEMBLY**

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

AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS

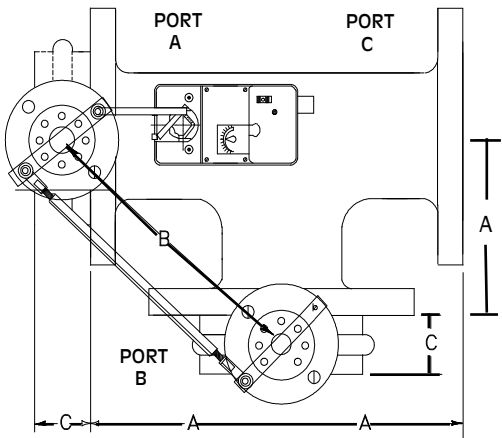
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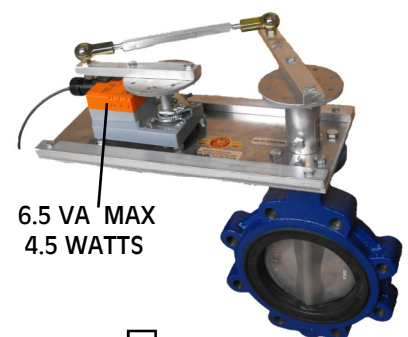
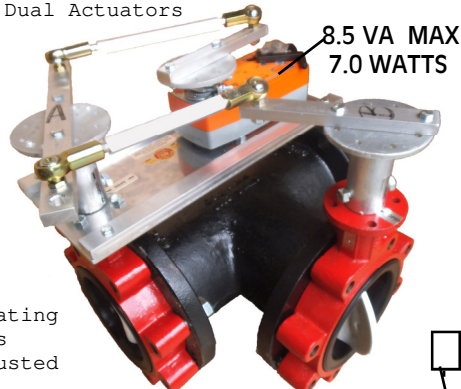
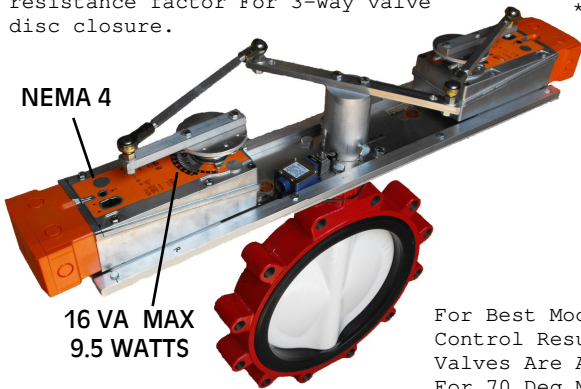
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AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS



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



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

Ratings are Based on Bray S31-120 Valve Bodies

Dual Spring Return Actuators For

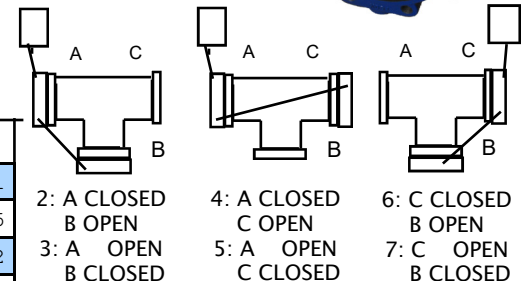
STANDARD VALVE BODY FEATURES

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

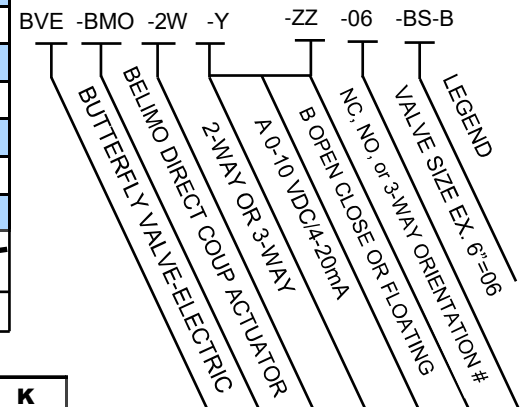
SIZE	CV							
2	144	84	61	43	27	16	7	1
2.5	282	163	107	67	43	24	11	1.5
3	461	267	154	96	61	35	15	2
4	841	496	274	171	109	62	27	3
5	1,376	775	428	268	170	98	43	5
6	1,850	1,025	567	354	225	129	56	6
8	3,316	1,862	1,081	680	421	241	102	12
10	5,430	2,948	1,710	1,076	667	382	162	19
12	8,077	4,393	2,563	1,594	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

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	13.62	13.62	5.91	1.38	N/A	2.00	13.04
14"	17.05	3.00	15.28	15.28	5.91	1.38	N/A	2.00	13.04
16"	19.21	4.00	17.41	17.41	5.91	1.38	N/A	2.00	14.85



3-WAY VALVE ORIENTATIONS



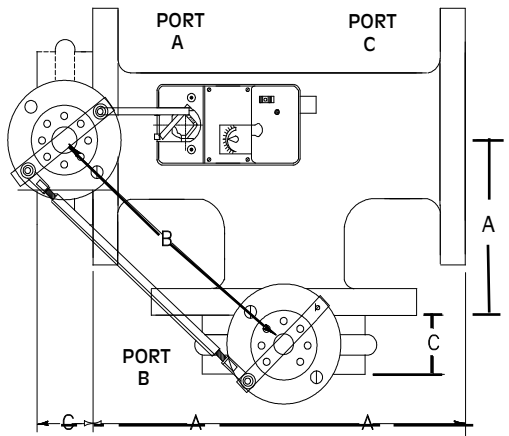
Legend



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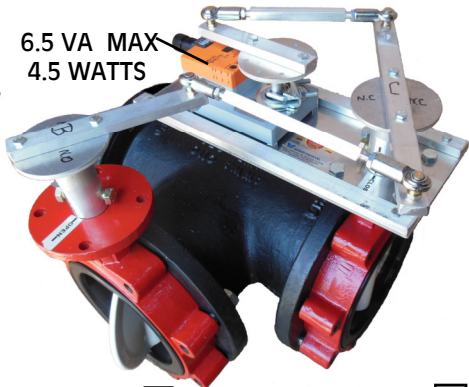
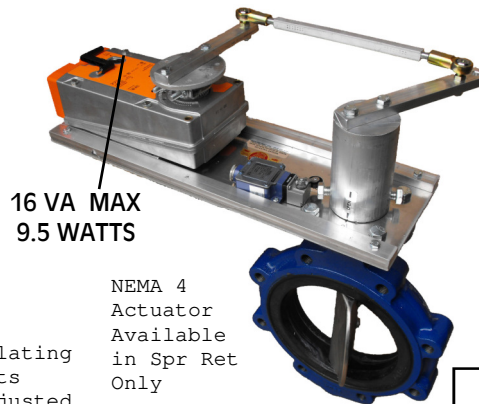
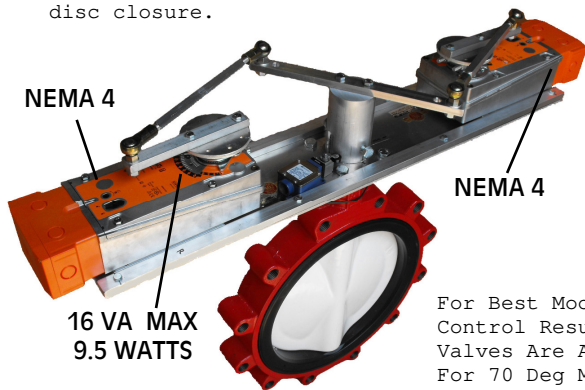
AUTOMATED BUTTERFLY VALVES WITH BELIMO ACTUATORS



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, EFB SERIES	2	4.5	7 1/2	1 5/8	84	125	125#
GMB, EFB SERIES	2.5	5.0	8 1/4	1 3/4	163	125	125#
GMB, EFB SERIES	3	5.5	9 3/16	1 3/4	267	125	125#
GMB, EFB SERIES	4	6.5	10 3/4	2.0	496	110	125#
GMB, EFB SERIES	5	7.5	12 1/4	2 1/8	775	90	125#
GMB, EFB SERIES	6	8.0	13 15/16	2 1/8	1025	80	125#
*GMB,*EFB SERIES	8	9.0	14 7/8	2 1/2	1862	90	125#
*GMB,*EFB SERIES	10	11	17 3/4	2 1/2	2948	70	125#
*GMB,*EFB SERIES	12	12	19 3/4	3.0	4393	50	125#

* = Dual Actuators



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

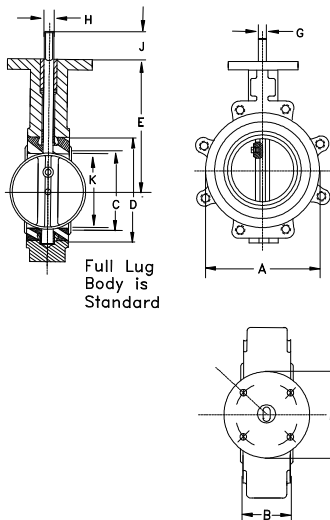
Ratings are Based on Keystone 222 Valve Bodies

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

STANDARD VALVE BODY FEATURES

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

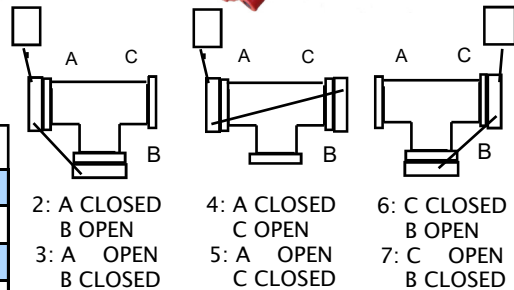
SIZE	CV VALUES								
2	60	52	40	26	14	5	1.3	0	
2.5	150	107	74	44	21	6	1.4	0	
3	262	175	115	67	29	8	1.5	0	
4	647	463	318	196	107	48	15	1	
5	1,141	832	579	362	206	99	32	3	
6	1,580	1,160	810	510	295	145	47	4	
8	2,892	1,754	1,190	751	450	239	84	6	
10	4,593	2,524	1,683	1,064	652	360	133	9	
12	6,682	3,470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



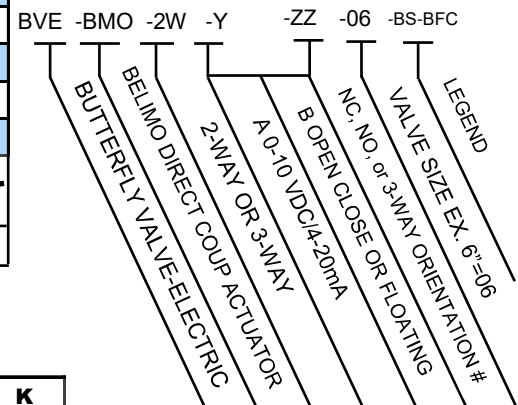
DIMENSIONS

SIZE	A	B	D	E	F	G	H	J	K
2"	3.69	1.68	2.84	5.50	3.54	.55	.39	1.25	1.32
2.5"	4.19	1.81	3.34	6.00	3.54	.55	.39	1.25	1.91
3"	4.88	1.81	4.03	6.25	3.54	.55	.39	1.25	2.55
4"	6.06	2.06	5.16	7.00	3.54	.63	.43	1.25	3.57
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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



3-WAY VALVE ORIENTATIONS



Part Numbering System

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

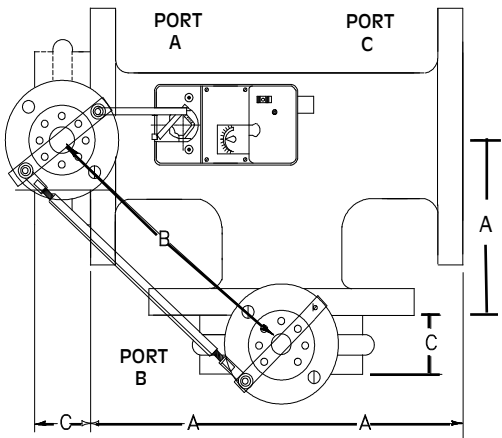


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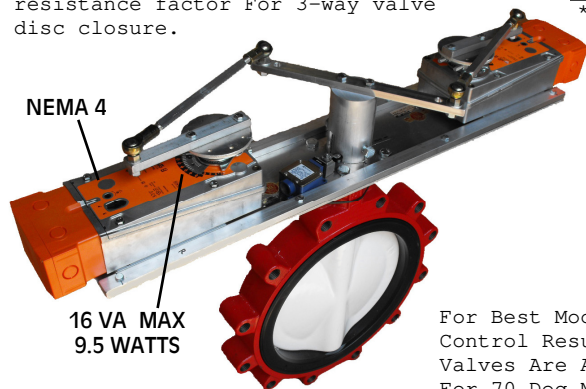
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AFB SERIES	2.5	5.0	8 1/4	1 3/4	163	125	125#
AFB SERIES	3	5.5	9 3/16	1 3/4	267	110	125#
AFB SERIES	4	6.5	10 3/4	2.0	496	90	50#
AFB SERIES	5	7.5	12 1/4	2 1/8	775	60	50#
EFB SERIES	6	8.0	13 15/16	2 1/8	1025	90	50#
EFB SERIES	8	9.0	14 7/8	2 1/2	1862	50	50#
EFB SERIES	10	11	17 3/4	2 1/2	2948	40	50#
*EFB SERIES	12	12	19 3/4	3.0	4393	60	50#
*EFB SERIES	14	14	21 3/4	3.0	5939	40	50#
*EFB SERIES	16	15	24 3/4	4.0	7867	25	50#

* = Dual Actuators



Chiller Head Pressure Valve Assemblies

STANDARD VALVE BODY FEATURES

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

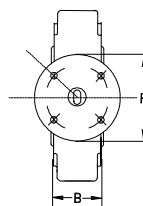
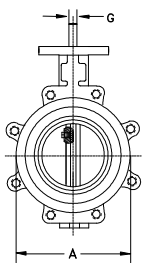
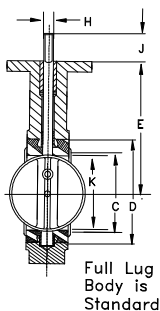
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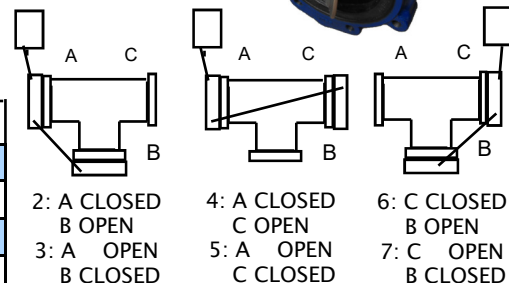
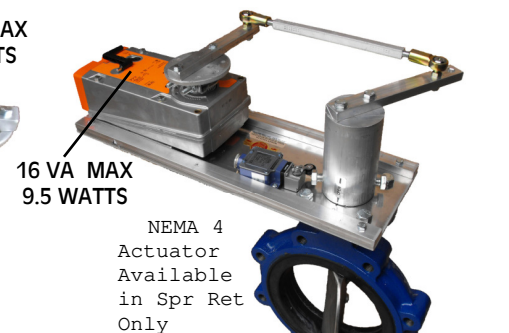
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10"	12.75	2.50	11.47	10.75	5.91	1.18	.87	2.00	9.53
12"	14.88	3.00	13.47	12.50	5.91	1.18	.87	2.00	11.47
14"	17.05	3.00	15.28	13.62	5.91	1.38	N/A	2.00	13.04
16"	19.21	4.00	17.41	14.75	5.91	1.38	N/A	2.00	14.85

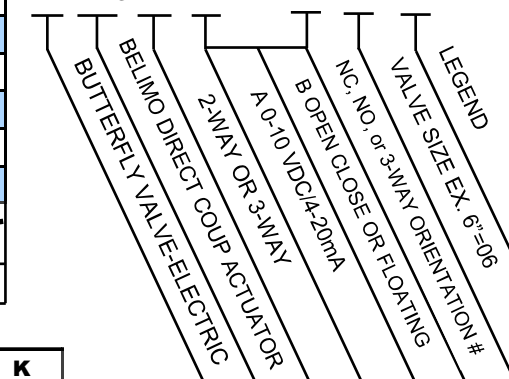


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3-WAY VALVE ORIENTATIONS

BVE -BMO -2W -Y -ZZ -06 -BS-B



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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