-NOW AVAILABLE FOR SHIPMENT-

AUTOMATED BUTTERFLY VALVES WITH SIEMENS ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"

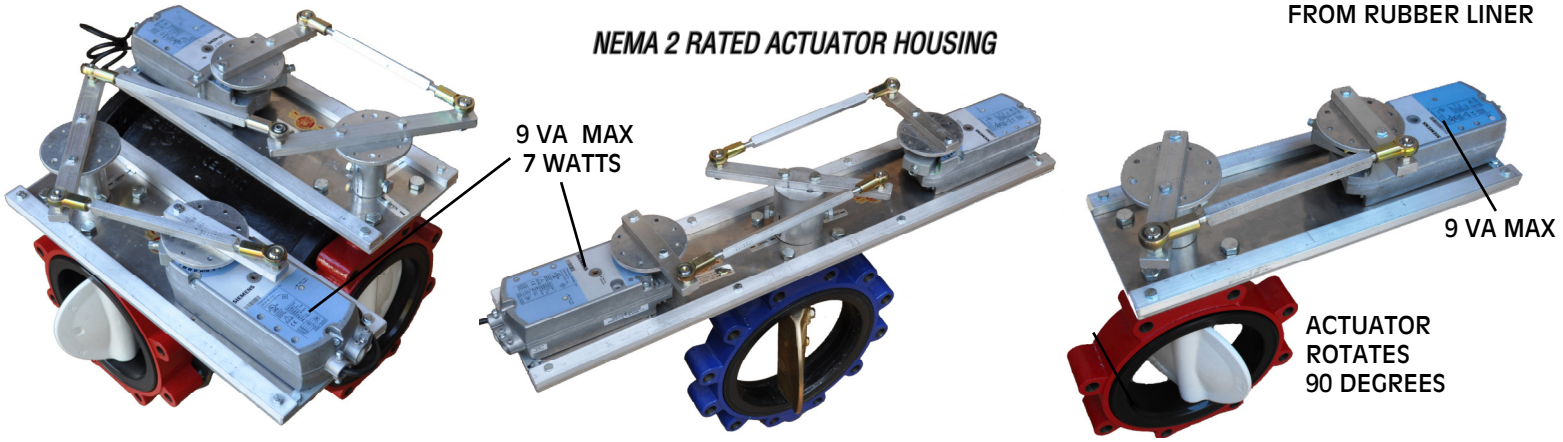
GEB & GIB NON-SPRING RETURN ACTUATORS
GCA SPRING RETURN ACTUATORS

PRECISE CONTROL REQUIRES NUMEROUS MODULATING VALVE DISC REPOSITIONS —

90 TO 60 DEGREE (1.5 TO 1 RATIO) VALVE TURN ASSEMBLY

ACTUATOR HAS 4 TO 1 LEVER OR TORQUE ADVANTAGE FOR VALVE DISC BREAK-A-WAY FROM RUBBER LINER

NEMA 2 RATED ACTUATOR HOUSING



3-WAY VALVE ARRANGEMENTS

VALVE DISC ROTATES 70 DEGREES

ADVANTAGE OF SELECTING A VALVE ASSEMBLY WITH SIEMENS GEB, GIB, & GCA ACTUATORS

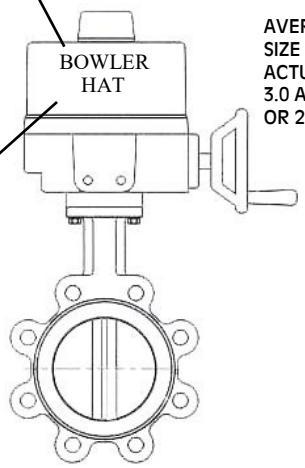
A. Valve Assembly at Low Cost

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

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 BURN



DID YOU KNOW ?

WESLEY VALVE CO. IS THE ONLY SUPPLIER OF AUTOMATED BUTTERFLY VALVE ASSEMBLIES WITH SIEMENS ACTUATORS LARGER THAN

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

SPRING RETURN VALVE ASSEMBLIES
2 TO 12" AVAILABLE

APPLICATIONS

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

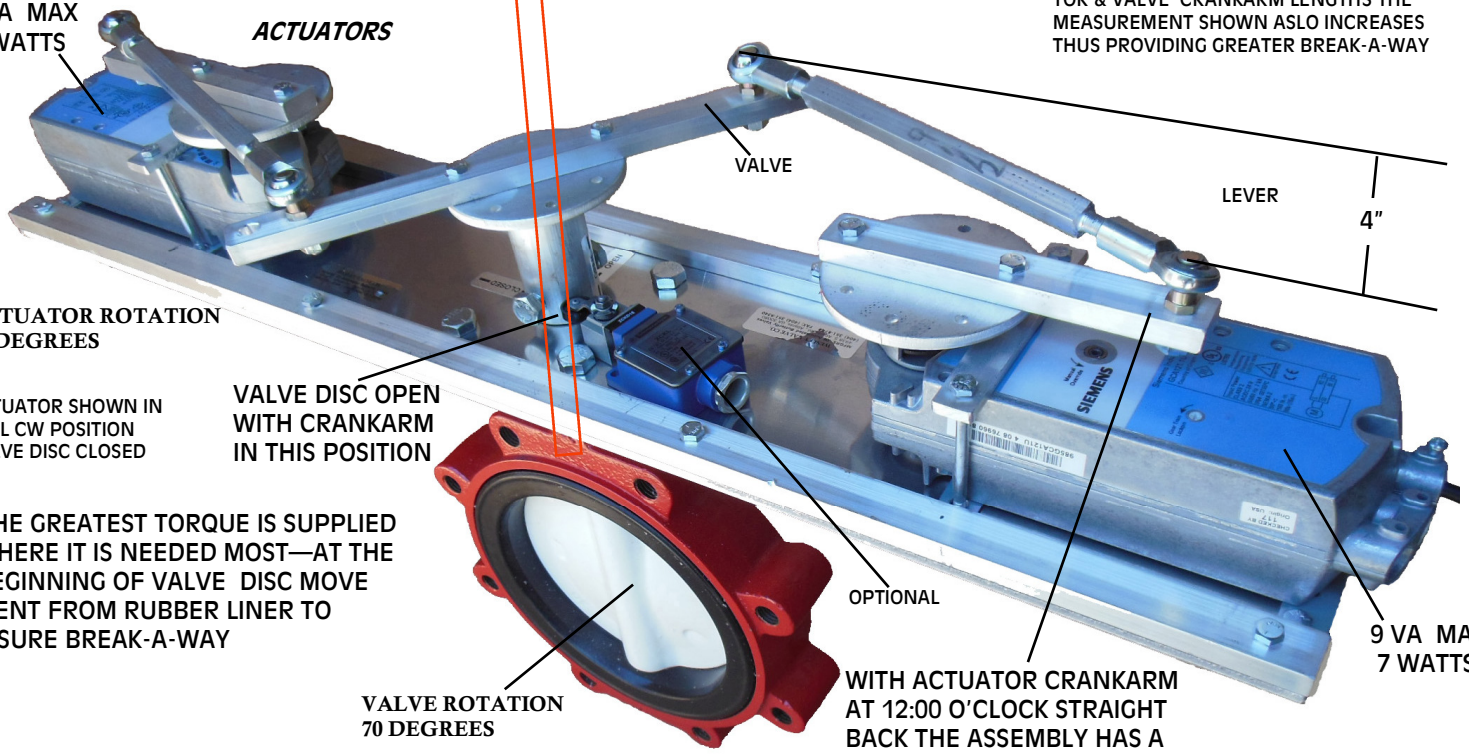
DIRECT COUPLED ACTION AS DESIGNED
SIEMENS SERIES GCA SPRING RETURN ACTUATOR TORQUE RATING IS 160 IN. LB. OR 320 IN. LB. FOR DUAL ACTUATORS

REMOTE ROTARY ACTION
BREAK-A-WAY TORQUEING ADVANTAGE QUADRUPLES TO 1280 IN. LB.

SIEMENS
ACTUATORS

9 VA MAX
7 WATTS

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



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

WITH ACTUATOR CRANKARM AT 12:00 O'CLOCK STRAIGHT BACK THE ASSEMBLY HAS A 4 TO 1 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) 480 IN. LB.

90 TO 60 DEG VALVE TURN ASSEMBLY INCREASES DISC REPOSITIONS

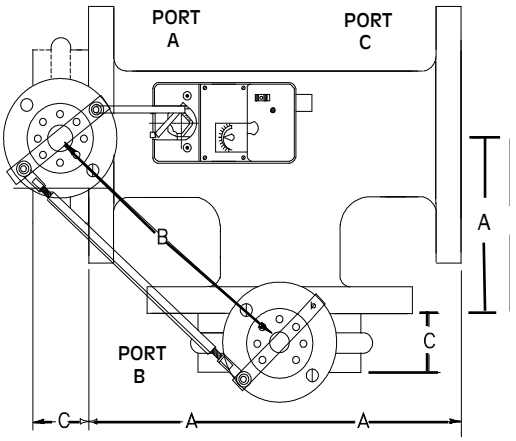
BUTTERFLY VALVE
2-WAY VALVE ASSEMBLY

AUTOMATED BUTTERFLY VALVES WITH SIEMENS ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"
NON SPRING RETURN ASSEMBLIES AVAILABLE 2" THROUGH 16"

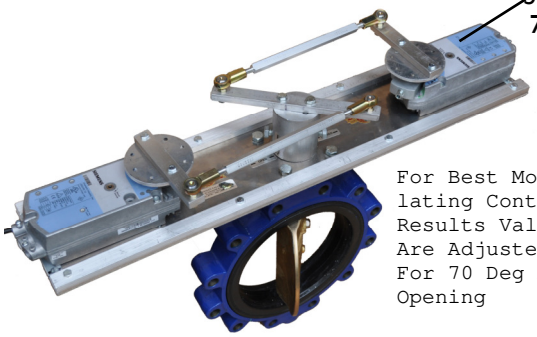
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AUTOMATED BUTTERFLY VALVES WITH SIEMENS ACTUATORS

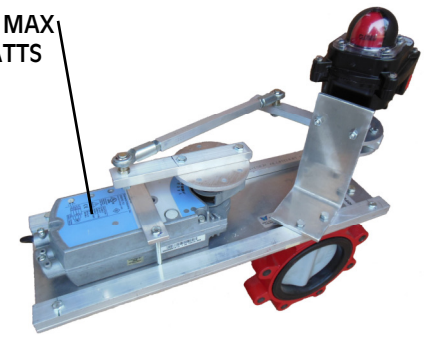


System pressure is normally not a resistance factor For 3-way valve disc closure.

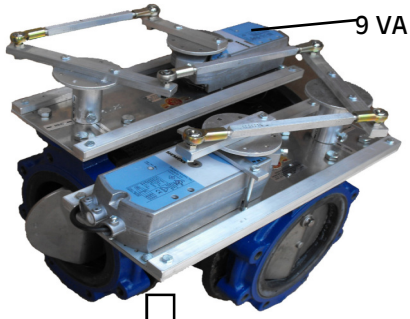
ACTUATOR PART # * = DUAL ACTUATORS	SIZE	A DIM.	B DIM.	C DIM.	Cv	Max. Close Rating	Bubble Leak Occur.
GEB or GCA	2	4.5	7 1/2	1 5/8	84	125	125#
GEB or GCA	2.5	5.0	8 1/4	1 3/4	163	125	125#
GEB or GCA	3	5.5	9 3/16	1 3/4	267	110	125#
GEB or GCA	4	6.5	10 3/4	2.0	496	110	50#
GIB or GCA	5	7.5	12 1/4	2 1/8	775	95	50#
GIB or GCA	6	8.0	13 15/16	2 1/8	1025	75	50#
GIB or *GCA	8	9.0	14 7/8	2 1/2	1862	95	50#
GIB or *GCA	10	11	17 3/4	2 1/2	2948	75	50#
*GIB or *GCA	12	12	19 3/4	3.0	4393	60	50#
*GIB—(4) on 3-Way	14	14	21 3/4	3.0	5939	70	50#
*GIB—(4) on 3-Way	16	15	24 3/4	4.0	7867	60	50#



Dual Spring Return Actuators For 8”,10”, & 12” Valves

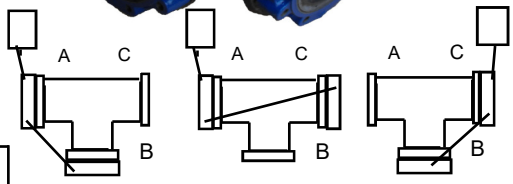


For Best Modulating Control Results Valves Are Adjusted For 70 Deg Max Opening



Ratings are Based on Bray S31-120 & Pratt Valve Bodies

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°

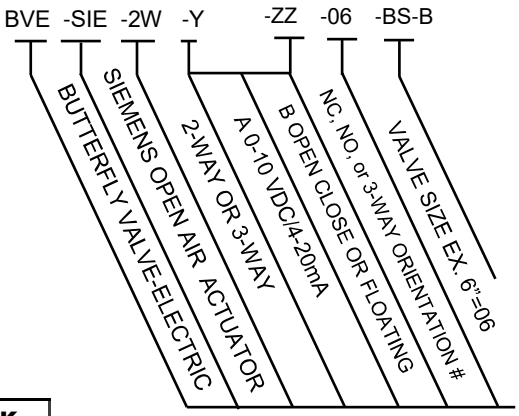


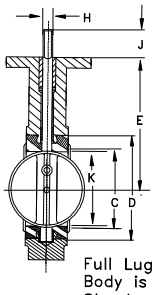
2: A CLOSED B OPEN
4: A CLOSED C OPEN
6: C CLOSED B OPEN
3: A OPEN B CLOSED
5: A OPEN C CLOSED
7: C OPEN B CLOSED

3-WAY VALVE ORIENTATIONS

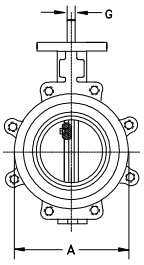
STANDARD VALVE BODY FEATURES

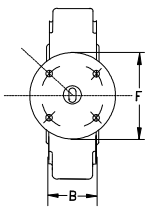
- ☐ EPDM Rubber liner
- ☐ Stainless Steel or Nylon Coated Disc
- Stainless Steel Shaft
- ☐ Full Threaded Lug
- ☐





Full Lug Body is Standard





DIMENSIONS

SIZE	A	B	D	E	F	G	H	J	K
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
VPI = Visual Pos Indicator
Aux = Actuator Aux Sw
SR = Spring Return
B = Bray P = Pratt
WP = NEMA 4 WeatherProof

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