



-NOW AVAILABLE FOR SHIPMENT-

AUTOMATED BUTTERFLY VALVES WITH *HONEYWELL* ACTUATORS

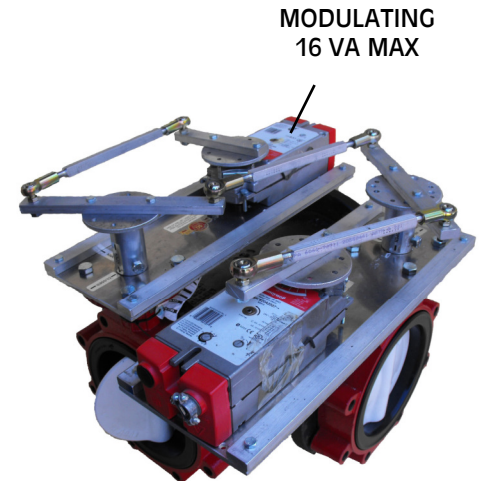
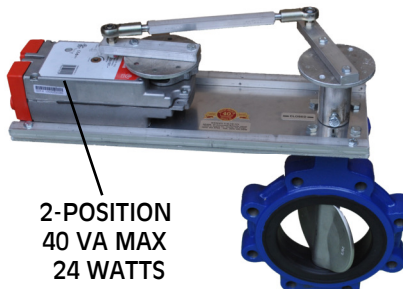
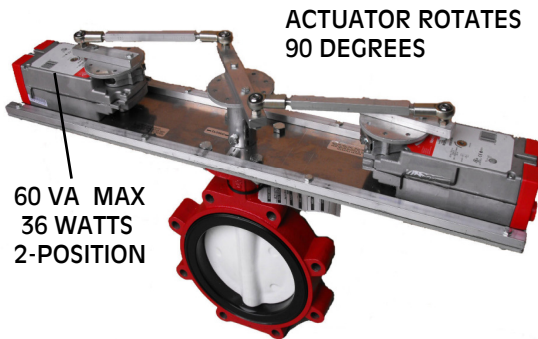
SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"

**MN6120A, 7220A, 6134A, & 7234A NON-SPRING RETURN ACTUATORS
MS8120A & 7520A SPRING RETURN ACTUATORS**

PRECISE CONTROL REQUIRES NUMEROUS MODULATING VALVE DISC REPOSITIONS —

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

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



NEMA 2 RATED ACTUATOR HOUSING

ADVANTAGE OF SELECTING A VALVE ASSEMBLY WITH

Honeywell *MN & MS* ACTUATORS

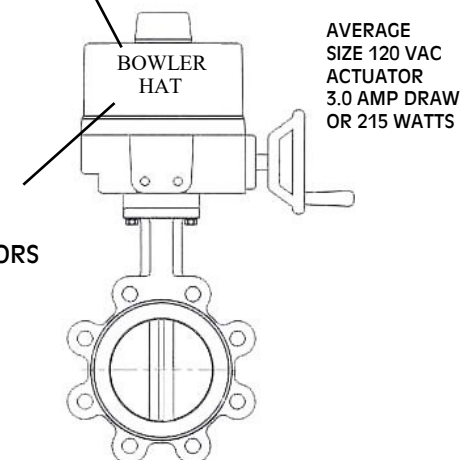
- A. Valve Assembly at Low Cost
- B.) Superior Modulating Resolution for 0-10 VDC/4-20mA Control Signals
- C.) Minimal Replacement of Actuator During Warranty Period
- D.) 20 Year Life Expectancy

DID YOU KNOW ?

WESLEY VALVE CO. IS THE ONLY
SUPPLIER OF AUTOMATED BUTTER-
FLY VALVE ASSEMBLIES WITH
HONEYWELL ACTUATORS LARGER

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

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
3229 North L Street
Pensacola, FL 32505
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

HONEYWELL MS SERIES SPRING RETURN ACTUATOR
TORQUE RATING IS 175 IN. LB.

DUAL ACTUATOR TORQUE RATING IS 350 IN. LB.

REMOTE ROTARY ACTION

BREAK-A-WAY TORQUEING
ADVANTAGE QUADRUPLES TO

VALVE MID POSITION TO OPEN

VALVE DISC AT MID POSITION TO OPEN—TORQUEING
ADVANTAGE DECREASES AT WORST TO (1.5 TO 1) 262 IN. LB.
OR 525 IN. LB. FOR DUAL ACTUATORS

Honeywell

ACTUATORS

ACTUATORS SHOWN IN
FULL CCW POSITION
VALVE DISC CLOSED

MODULATING
16 VA MAX

60 VA MAX
36 WATTS
2-POSITION

2-POSITION
40 VA MAX
24 WATTS

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

**90 TO 60 DEG VALVE TURN
ASSEMBLY INCREASES
DISC REPOSITIONS**

VALVE ROTATION
70 DEGREES

VALVE DISC OPEN
WHEN CRANKARM
IS AT 10:30 'CLOCK

12:00
O'CLOCK
ACTUATOR

ACTUATOR ROTATION
90 DEGREES

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

BUTTERFLY VALVE

2-WAY VALVE ASSEMBLY

AUTOMATED BUTTERFLY VALVES WITH Honeywell *MN & MS* ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"



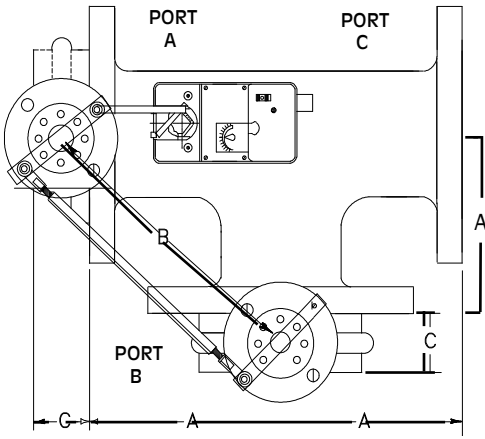
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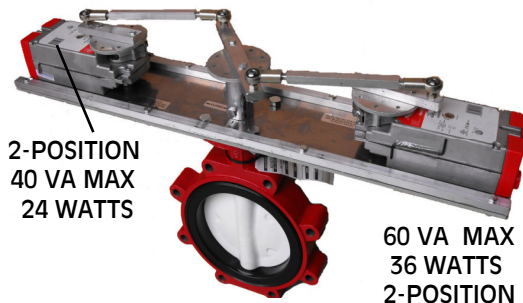
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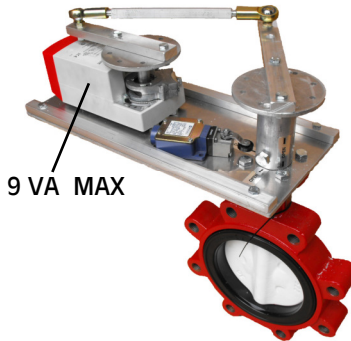


System pressure is normally not a resistance factor For 3-way valve disc closure.

ACTUATOR PART # * = DUAL ACTUATORS	SIZE	A DIM.	B DIM.	C DIM.	Cv	Max. Close Rating	Bubble Leak Occur.
MN7220A, MN6120A, MS Series	2	4.5	7 1/2	1 5/8	84	125	125#
MN7220A, MN6120A, MS Series	2.5	5.0	8 1/4	1 3/4	163	125	125#
MN7220A, MN6120A, MS Series	3	5.5	9 3/16	1 3/4	267	110	125#
MN7220A, MN6120A, MS Series	4	6.5	10 3/4	2.0	496	110	50#
MN7220A, MN6120A, MS Series	5	7.5	12 1/4	2 1/8	775	95	50#
MN7220A, MN6120A, MS Series	6	8.0	13 15/16	2 1/8	1025	85	50#
MN7234A, MN6134A, *MS Series	8	9.0	14 7/8	2 1/2	1862	85	50#
MN7234A, MN6134A, *MS Series	10	11	17 3/4	2 1/2	2948	75	50#
MN7234A, MN6134A, *MS Series	12	12	19 3/4	3.0	4393	60	50#
*MN7234A, *MN6134A	14	14	21 3/4	3.0	5939	70	50#
*MN7234A, *MN6134A	16	15	24 3/4	4.0	7867	60	50#

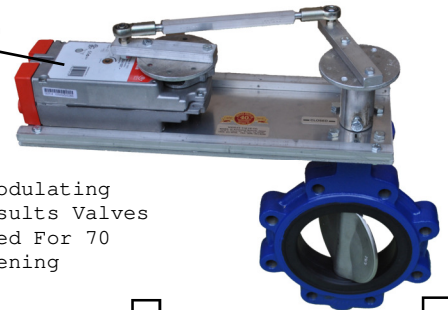


2-POSITION
40 VA MAX
24 WATTS



9 VA MAX

MODULATING
16 VA MAX



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

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

Ratings are Based on Bray S31-119
& Keystone AR2 Valve Bodies

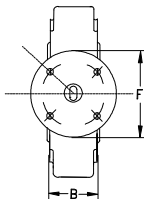
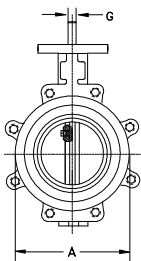
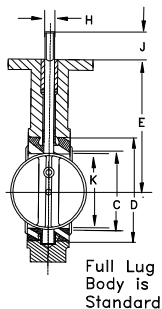
STANDARD VALVE BODY FEATURES

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

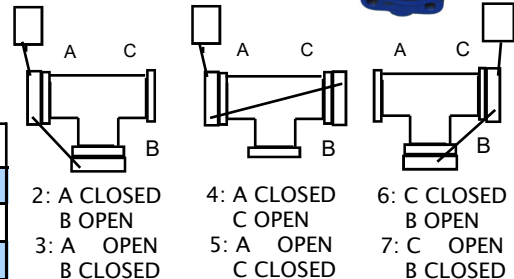
SIZE	CV VALUES							
2	144	84	61	43	27	16	7	1
2.5	282	163	107	67	43	24	11	1.5
3	461	267	154	96	61	35	15	2
4	841	496	274	171	109	62	27	3
5	1,376	775	428	268	170	98	43	5
6	1,850	1,025	567	354	225	129	56	6
8	3,316	1,862	1,081	680	421	241	102	12
10	5,430	2,948	1,710	1,076	667	382	162	19
12	8,077	4,393	2,563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

DIMENSIONS

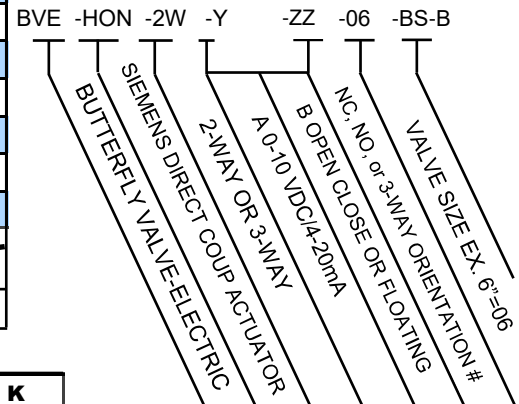
SIZE	A	B	D	E	F	G	H	J	K
2"	3.69	1.62	2.84	5.50	3.54	.55	.39	1.25	1.32
2.5"	4.19	1.75	3.34	6.00	3.54	.55	.39	1.25	1.91
3"	4.88	1.75	4.03	6.25	3.54	.55	.39	1.25	2.55
4"	6.06	2.00	5.16	7.00	3.54	.63	.43	1.25	3.57
5"	7.12	2.12	6.16	7.50	3.54	.75	.51	1.25	4.63
6"	8.12	2.12	7.02	8.00	3.54	.75	.51	1.25	5.45
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	12.75	5.91	1.18	.87	2.00	11.47
14"	17.05	3.00	15.28	14.75	5.91	1.38	N/A	2.00	13.04
16"	19.21	4.00	17.41	16.75	5.91	1.38	N/A	2.00	14.85



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3-WAY VALVE ORIENTATIONS



Part Numbering System

BS = Valve Bump Switch
RF = Retrofit Kit
B = Bray, K = Keystone



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