-NOW AVAILABLE FOR SHIPMENTTHIP-

AUTOMATED BUTTERFLY VALVES WITH JOHNSON CONTROLS ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"

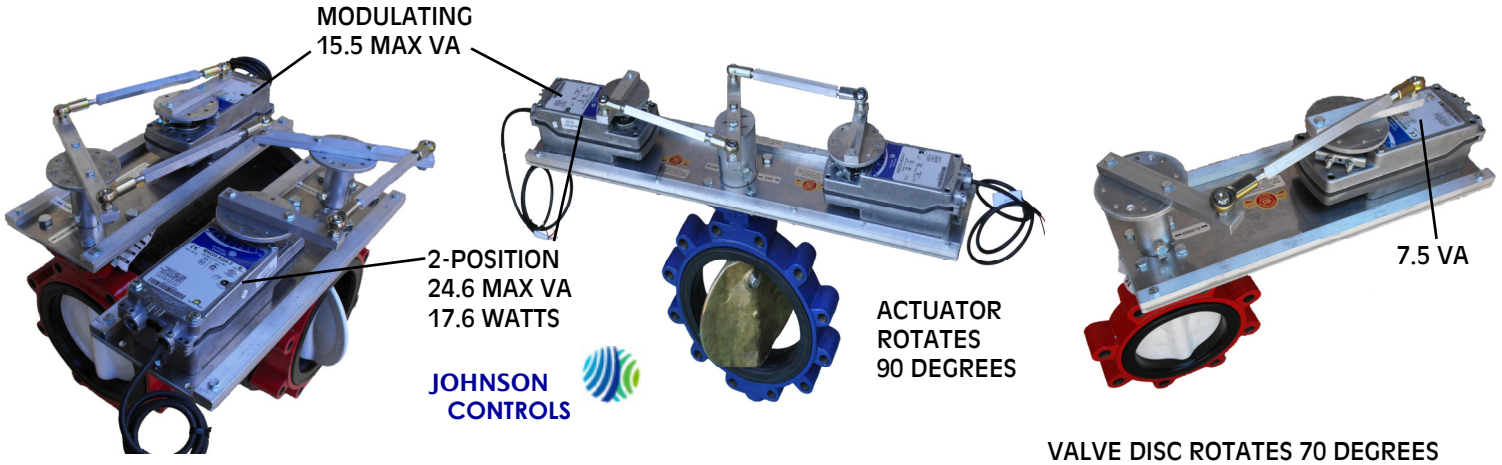
M9116/M9132 NON-SPRING RETURN ACTUATORS
M9220 SPRING RETURN ACTUATORS

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



VALVE DISC ROTATES 70 DEGREES

ADVANTAGE OF SELECTING A VALVE ASSEMBLY WITH JOHNSON CONTROLS M9116, 9132, & 9220 ACTUATORS

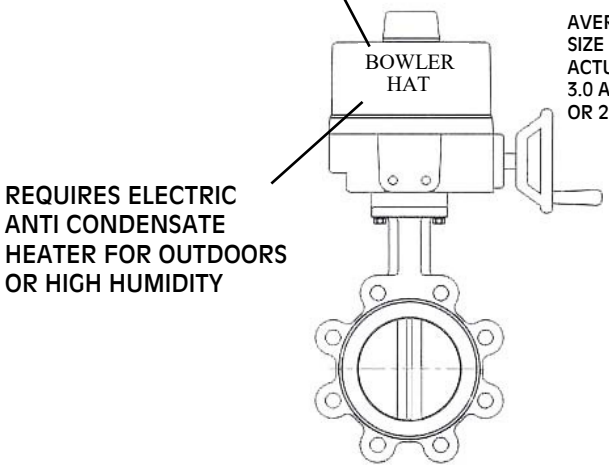
A. Valve Assembly at Low Cost

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 JOHNSON ACTUATORS LARGER THAN 5" (FIVE INCHES)

REPLACING A FAILED BOWLER HAT ACTUATOR ?

CONSIDER RETROFITTING IT WITH THE MORE RELIABLE JOHNSON BLUE JACKET ACTUATOR ASSEMBLY AS SHOWN ABOVE

WESLEY VALVE CO.
MFGRS OF AUTOMATED BUTTERFLY VALVES
PHN: (404) 351-8744 FAX: (404) 351-9340
WWW.WESLEYVALVE.COM

USING LEVER ADVANTAGE TO INCREASE TORQUE AND IMPROVE CONTROL

DIRECT COUPLED ACTION AS DESIGNED
JOHNSON CONTROLS SERIES M9220 SPRING RETURN ACTUATOR'S TORQUE RATING IS 177 IN. LB.

REMOTE ROTARY ACTION
BREAK-A-WAY TORQUEING ADVANTAGE QUARDRUPLES TO 708 IN. LB.

JOHNSON CONTROLS

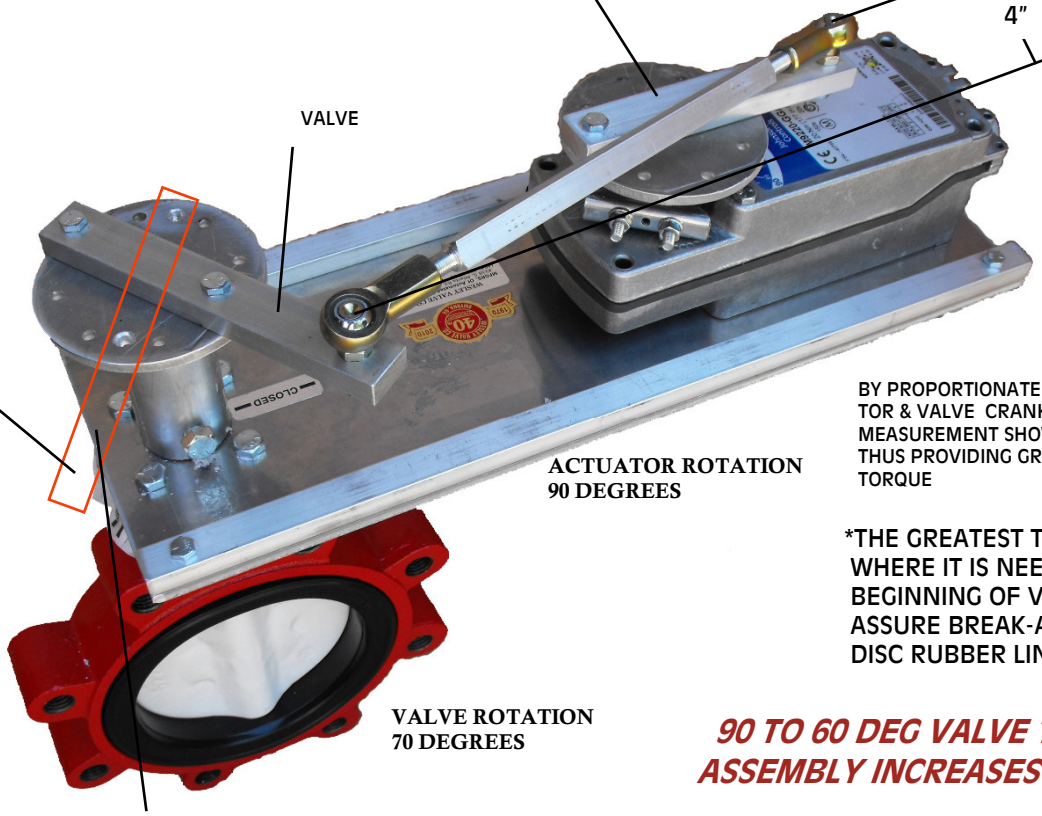
12:00 O'CLOCK ACTUATOR

ACTUATOR SHOWN IN FULL CCW POSITION VALVE DISC CLOSED

4"

VALVE

VALVE DISC OPEN 4:30



ACTUATOR ROTATION 90 DEGREES

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

*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 SEAL

VALVE ROTATION 70 DEGREES

90 TO 60 DEG VALVE TURN ASSEMBLY INCREASES DISC

VALVE MID POSIOTION TO OPEN
VALVE DISC AT MID POSITION TO OPEN—TORQUEING

BUTTERFLY VALVE

2-WAY VALVE ASSEMBLY

AUTOMATED BUTTERFLY VALVES WITH JOHNSON CONTROLS ACTUATORS

SPRING RETURN VALVE ASSEMBLIES AVAILABLE 2" THROUGH 12"

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SPRING RETURN VALVE ASSEMBLIES
2 TO 12" AVAILABLE

APPLICATIONS

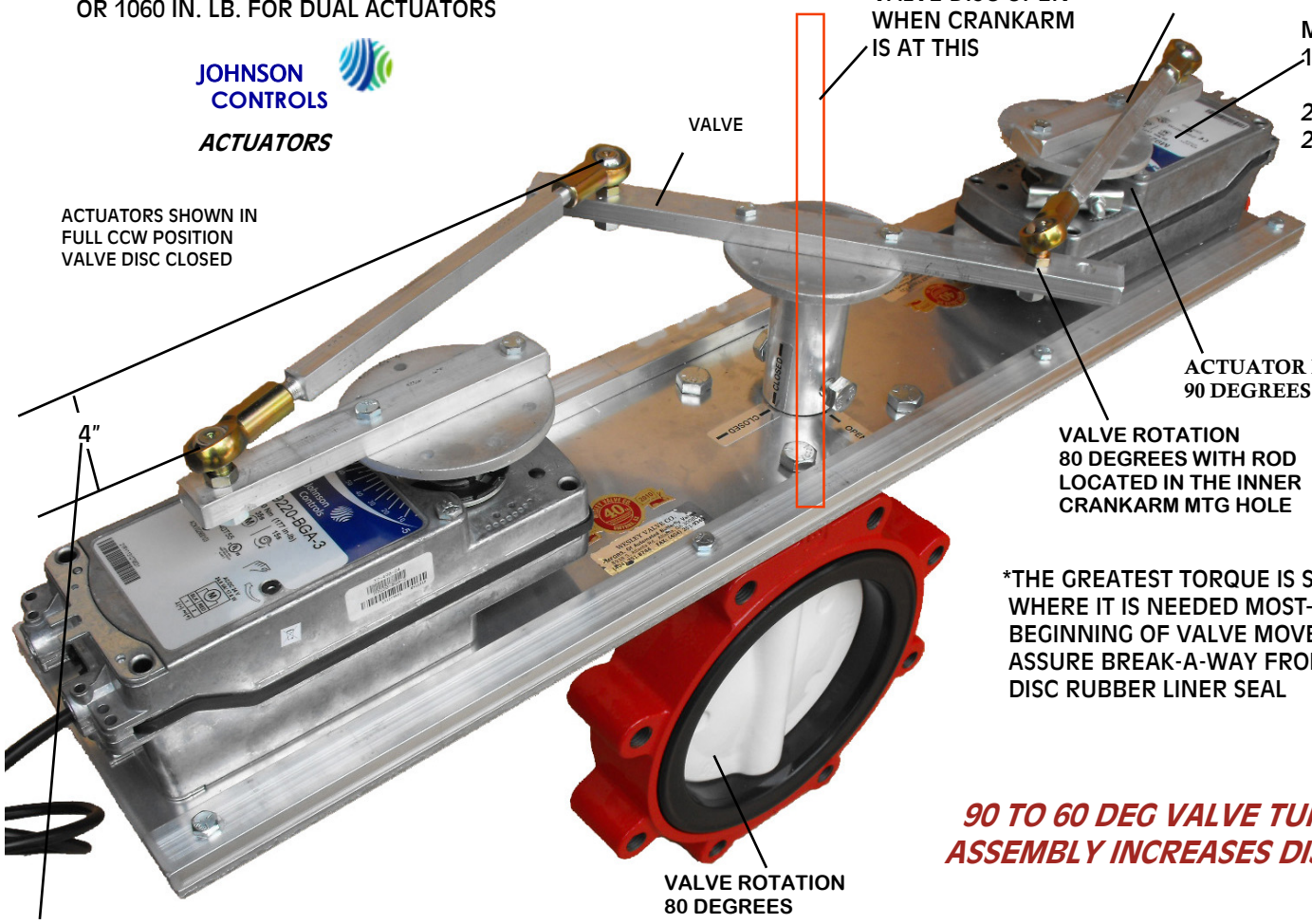
A. IDEALLY SUITED FOR CHILLER & COOLING TOWER ISOLATION
B. COOLING TOWER MODULATING 3-WAY DIVERTING VALVE CONTROL

DIRECT COUPLED ACTION AS DESIGNED
JOHNSON CONTROLS SERIES M9220 SPRING RETURN ACTUATOR TORQUE RATING IS 177 IN. LB. DUAL ACTUATOR TORQUE RATING IS 354 IN. LB.

REMOTE ROTARY ACTION
BREAK-A-WAY TORQUEING ADVANTAGE QUADRUPLES TO

VALVE MID POSIOTION TO OPEN
VALVE DISC AT MID POSITION TO OPEN—TORQUEING ADVANTAGE DECREASES AT WORST TO (1.5 TO 1) 530 IN. LB. OR 1060 IN. LB. FOR DUAL ACTUATORS

JOHNSON CONTROLS
ACTUATORS



*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 SEAL

90 TO 60 DEG VALVE TURN ASSEMBLY INCREASES DISC

BY PROPORTIONATELY INCREASING ACTUATOR & VALVE CRANKARM LENGTHS THE MEASUREMENT SHOWN ASLO INCREASES THUS

BUTTERFLY VALVE
2-WAY VALVE ASSEMBLY

AUTOMATED BUTTERFLY VALVES WITH JOHNSON CONTROLS ***DIRECT ACTUATORS***

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