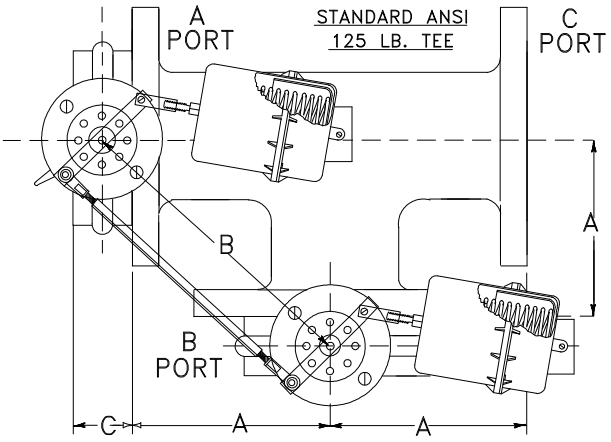
# AUTOMATED BUTTERFLY VALVE ASSEMBLIES WITH JOHNSON CONTROLS PNEUMATIC ACTUATORS

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




| ACTUATOR PART # * = DUAL ACT. | SIZE | A DIM. | B DIM. | C DIM. | Cv | Max. Close Rating | Bubble Leak Occur. |
|---|---|---|---|---|---|---|---|
| D4073-5 | 2 | 4.5 | 7 1/2 | 1 5/8 | 84 | 125 | 125# |
| D4073-5 | 2.5 | 5.0 | 8 1/4 | 1 3/4 | 163 | 125 | 125# |
| D4073-5 | 3 | 5.5 | 9 3/16 | 1 3/4 | 267 | 110 | 125# |
| D4073-5 | 4 | 6.5 | 10 3/4 | 2.0 | 496 | 110 | 50# |
| D3153-5 | 5 | 7.5 | 12 1/4 | 2 1/8 | 775 | 100 | 50# |
| D3153-5 | 6 | 8.0 | 13 15/16 | 2 1/8 | 1025 | 90 | 50# |
| D3244-4 | 8 | 9.0 | 14 7/8 | 2 1/2 | 1862 | 80 | 50# |
| D3246-1 | 10 | 11 | 17 3/4 | 2 1/2 | 2948 | 70 | 50# |
| D3246-1 | 12 | 12 | 19 3/4 | 3.0 | 4393 | 70 | 50# |
| *D3246-1 | 14 | 14 | 21 3/4 | 3.0 | 5939 | 60 | 50# |
| *D3246-1 | 16 | 15 | 24 3/4 | 4.0 | 7867 | 50 | 50# |

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

## STANDARD VALVE BODY FEATURES

**EPDM Rubber Liner**

**Stainless Steel or Nylon Coated Disc**

**Stainless Steel Shaft**

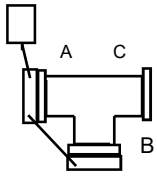
**Full Threaded Lug**



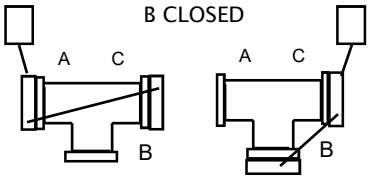
JOHNSON CONTROLS



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




2: A CLOSED
B OPEN
3: A OPEN
B CLOSED




4: A CLOSED
C OPEN
5: A OPEN
C CLOSED

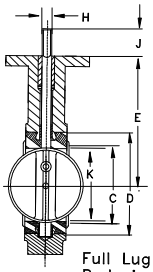
6: C CLOSED
B OPEN
7: C OPEN
B CLOSED

## 3-WAY VALVE

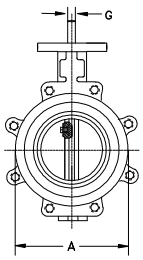
| SIZE | CV VALUES | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | 144 | 84 | 61 | 43 | 27 | 16 | 7 | 1 |
| 2.5 | 282 | 163 | 107 | 67 | 43 | 24 | 11 | 1.5 |
| 3 | 461 | 267 | 154 | 96 | 61 | 35 | 15 | 2 |
| 4 | 841 | 496 | 274 | 171 | 109 | 62 | 27 | 3 |
| 5 | 1,376 | 775 | 428 | 268 | 170 | 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° |

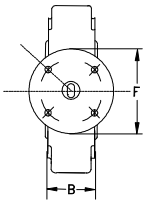
BVP-JCI -3W -X -XX -PP-BS-B

- BUTTERFLY VALVE PNEUMATIC
- JOHNSON CONTROLS ACTUATOR
- 2W 2-WAY OR 3W 3-WAY
- NC or NO or 3-WAY ORIENTATION
- VALVE SIZE EX. 6"=06
- SEE LEGEND BELOW




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 |

***Legend***

RF = Retrofit Kit
PP = Positive Positioner
BS = Valve Bump Switch
SS = Stainless Rod Ends & Bolts
B = Bray, K = Keystone


**WESLEY VALVE CO.**
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