FIREKING

# Butterfly Valves | Groove | BVG-7

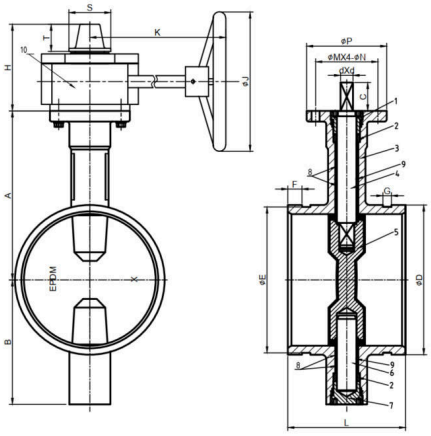


LISTED APPROVED

| SPECIFICATIONS | |
|---|---|
| Sizes | 2”/DN50, 2½” /DN65, 3”/DN80, 4”/DN100, 5”/DN125, 6”/DN150, 8”/DN200, 10”/DN250, 12”/DN300 |
| Working Pressure | 300psi / 21bar |
| Test Pressure | 600psi / 42bar (maximum) |
| Operation | Gear Operated |
| Finish | Epoxy Powder Coated |
| Application | Indoor and outdoor |
| IP Rating | IP65 |
| Contact Rating | 250VA 3A, 24VDC 2A |
| Supervisory Switches | 1 Supervisory Switch (Internal) 1 Auxiliary Switch (Internal) |
| Approvals | UL (2” to 12”), FM (2½” to 8”) |

## Product Parts, Materials & Standard

| Description | Material | Specification |
|---|---|---|
| Upper Shaft Sealing Nut | WCB | ASTM A216 |
| Shaft Seal | EPDM | ASTM D2000 |
| Body | DI | ASTM A536 |
| Upper Shaft | SS416 | ASTM A582 |
| Disc | DI + EPDM | ASTM D2000 |
| Lower Shaft | SS416 | ASTM A582 |
| Lower Shaft Sealing Nut | WCB | ASTM A216 |
| End face Seal | EPDM | ASTM D2000 |
| Stem Bushing | PTFE/C954 | PTFE/C954 |
| Signal Gearbox | DI | ASTM A536 |



| Carried Standard | |
|---|---|
| Design Standard | API609 |
| Face to Face Standard | ASME B16.10 |
| Top Flange Standard | ISO 5211 |
| Test Standard | FM 1112 / UL1091 |

## Product Data & Part Numbers

| Size | | Part Number | A | B | C | D | E | F | G | H | K | | J | P | M | N | d | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN | Inch | | | | | | | | | | | | | | | | | |
| DN50 | 2” | BVG-7-060 | 110 | 85 | 32 | 60.3 | 57.2 | 15.9 | 7.9 | 111 | 218 | 153 | 152 | 90 | 70 | 9 | 10 | 88 |
| DN65 | 2½” | BVG-7-073 | 125 | 95 | 32 | 73.0 | 69.1 | 15.9 | 7.9 | 111 | 218 | 153 | 152 | 90 | 70 | 9 | 10 | 96.4 |
| | | BVG-7-076 | | | | 76.1 | 72.3 | | | | | | | | | | | |
| DN80 | 3” | BVG-7-089 | 140 | 100 | 32 | 88.9 | 84.9 | 15.9 | 7.9 | 111 | 218 | 153 | 152 | 90 | 70 | 9 | 11 | 97 |
| DN100 | 4” | BVG-7-114 | 160 | 100 | 32 | 114.3 | 110.1 | 15.9 | 9.5 | 111 | 218 | 153 | 152 | 90 | 70 | 9 | 14 | 115.1 |
| DN125 | 5” | BVG-7-139 | 170 | 125 | 32 | 139.7 | 135.5 | 15.9 | 9.5 | 111 | 218 | 153 | 152 | 90 | 70 | 9 | 14 | 132.4 |
| | | BVG-7-141 | | | | 141.3 | 137.0 | | | | | | | | | | | |
| DN150 | 6” | BVG-7-165 | 190 | 140 | 32 | 165.1 | 160.9 | 15.9 | 9.5 | 111 | 218 | 153 | 200 | 90 | 70 | 9 | 16 | 132.4 |
| | | BVG-7-168 | | | | 168.3 | 164.0 | | | | | | | | | | | |
| DN200 | 8” | BVG-7-216 | 230 | 175 | 32 | 216.3 | 211.6 | 19 | 11.1 | 126 | 232 | 210 | 300 | 90 | 102 | 12 | 19 | 147.4 |
| | | BVG-7-219 | | | | 219.1 | 214.4 | | | | | | | | | | | |
| DN250 | 10” | BVG-7-267 | 260 | 200 | 45 | 267.4 | 262.6 | 19 | 12.7 | 126 | 232 | 210 | 300 | 125 | 102 | 12 | 24 | 159 |
| | | BVG-7-273 | | | | 273.0 | 268.3 | | | | | | | | | | | |
| DN350 | 12” | BVG-7-319 | 300 | 240 | 45 | 318.5 | 312.9 | 19 | 12.7 | 161 | 249 | 249 | 350 | 150 | 125 | 14 | 26 | 165 |
| | | BVG-7-324 | | | | 323.8 | 318.3 | | | | | | | | | | | |

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