



Standards:

- AWWA C504

Sizes*:

- 24in (DN600) - 72in (DN1800)

Pressure Ratings:

- 25 psi to 250 psi*

Classifications:

- 25A, 25B, 75A, 75B, 150A, 150B, and 250B*

Laying Lengths:

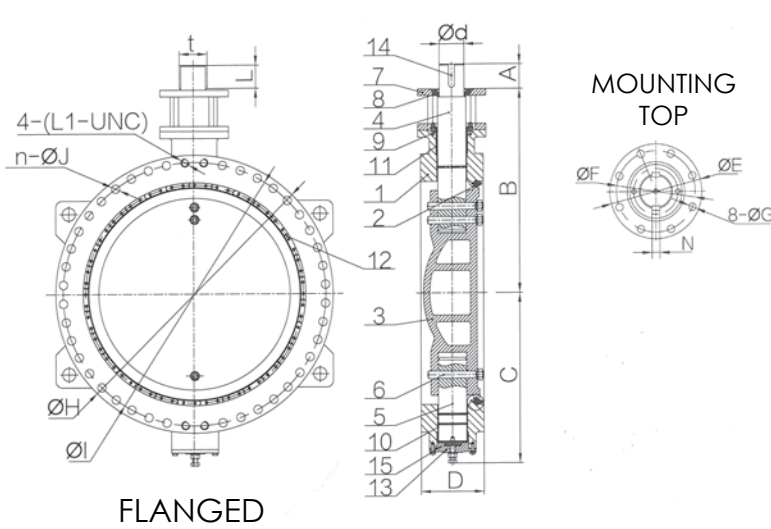
- AWWA C504 Short and Long Bodies

Connection Flange Options*:

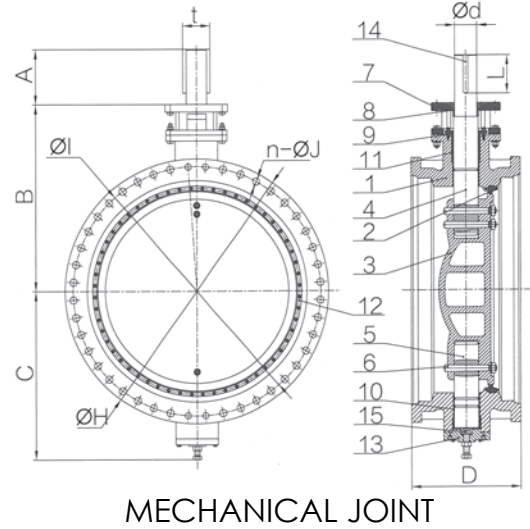
- ANSI/ASME B16.1 Class 125
- ANSI/ASME B16.5 Class 150
- AWWA C207
- ANSI/AWWA C111/A21.12 (MJ)

*Other options available upon request

- The VSI Series AWWA C504 Butterfly Valve is designed for today's modern water and treatment plants. Our valves meet or exceed the current AWWA C504 standard.
- The Series AWWA C504 Butterfly Valve line has completed the AWWA Proof of Design tests, and every valve is tested at the factory. Bidirectional leakage testing is available upon request.
- VSI has NSF 61 Coatings available, as well as, several AWWA C550 certified coating options.
- Our self sealing stem seals provide excellent leakage protection at a fraction of the torque required compared to other methods.
- Stainless Steel backed PTFE stem bushings provide excellent lubrication with no maintenance requirements.
- With 304 Stainless Steel shafts and greater options, we can provide valves for just about any pressure requirements.
- With VSI's mechanically retained seat, there are no chemicals to mix, nothing to inject, and no curing times. Just bolt and go. Our EPDM seat has a maximum temperature rating of 250°F, well beyond the AWWA requirements of 125°F.
- Our Viton™ seat options can allow temperatures as high as 400°F.



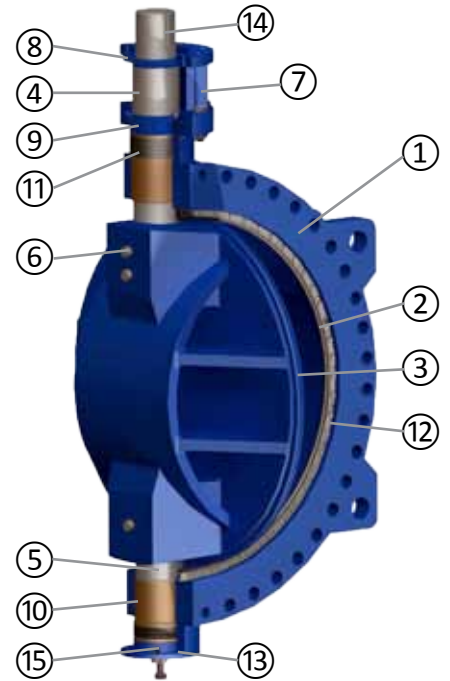
FLANGED



MECHANICAL JOINT

Materials List (NPS24 - NPS72)

| No. | Name | Material | Options |
|-----|----------------|--------------------|---|
| 1 | Body | ASTM A536 65-45-12 | ASTM A126B, Cast Steel |
| 2 | Seat | EPDM | Buna-N, Viton GF |
| 3 | Disc | ASTM A536 + SS316 | ASTM A126B Cast Steel, Stainless Steel |
| 4 | Upper Shaft | SS304 | SS316, 17-4PH |
| 5 | Lower Shaft | SS304 | SS316, 17-4PH |
| 6 | Taper Pin | SS304 | SS316, 17-4PH |
| 7 | Yoke | ASTM A536 65-45-12 | ASTM A126B, Cast Steel |
| 8 | Cover | ASTM A536 65-45-12 | ASTM A126B, Cast Steel |
| 9 | Gland Cover | ASTM A536 65-45-12 | ASTM A126B, Cast Steel |
| 10 | Bushing | SS+PTFE | AL-BRONZE |
| 11 | Stem Seal | EPDM | Buna-N, Viton, PTFE |
| 12 | Seal Ring | SS304 | SS316 |
| 13 | Bottom Cover | ASTM A536 65-45-12 | ASTM A126B, Cast Steel |
| 14 | Key | Carbon Steel | Stainless Steel |
| 15 | Thrust Bearing | ASTM A536 65-45-12 | ASTM A126B |



Dimensional Data (NPS3 - NPS24)

| NPS | DN | A | B | C | Ød | FLANGED | | | | MECHANICAL JOINT | | | | L | t | N | 4X (L1-UNC) | TOP MOUNT | | | |
|-----|------|-----|------|-------|-----|---------|------|--------|------|------------------|------|----------|--------|-----|-------|------|---------------|-----------|-----|-----|----|
| | | | | | | D | ØH | n-ØJ | ØI | D | ØH | n-ØJ | ØI | | | | | ISO 5211 | ØE | ØF | ØG |
| 24 | 600 | 89 | 750 | 535 | 57 | 203 | 813 | 16-Ø35 | 749 | 314 | 802 | 16-Ø22.2 | 762 | 88 | 63 | 19 | 4 X 1¼ - 7UNC | F16 | 210 | 165 | 20 |
| 30 | 750 | 110 | 781 | 622 | 70 | 305 | 985 | 24-Ø35 | 914 | 457.2 | 994 | 20-Ø28.6 | 936.8 | 95 | 79 | 20 | 4 X 1¼ - 7UNC | F25 | 300 | 254 | 18 |
| 36 | 900 | 150 | 850 | 727.5 | 95 | 305 | 1170 | 28-Ø41 | 1086 | 558.8 | 1168 | 24-Ø28.6 | 1111.3 | 140 | 107 | 28 | 4 X 1½ - 6UNC | F25 | 300 | 254 | 18 |
| 42 | 1050 | 170 | 980 | 860 | 92 | 305 | 1345 | 32-Ø41 | 1257 | 558.8 | 1349 | 28-Ø35 | 1285.7 | 160 | 112 | 25 | 4 X 1½ - 6UNC | F30 | 350 | 298 | 23 |
| 48 | 1200 | 170 | 1101 | 960 | 110 | 381 | 1510 | 40-Ø41 | 1422 | 609.6 | 1524 | 32-Ø35 | 1460.5 | 160 | 124 | 32 | 4 X 1½ - 6UNC | F30 | 350 | 298 | 23 |
| 54 | 1350 | 190 | 1235 | 1040 | 150 | 381 | 1685 | 40-Ø51 | 1594 | -- | -- | -- | -- | 140 | 166 | 36 | 4 X 1¾ - 5UNC | F35 | 415 | 356 | 33 |
| 60 | 1500 | 315 | 1095 | 1215 | 140 | 381 | 1855 | 48-Ø51 | 1759 | -- | -- | -- | -- | 280 | 156 | 36 | 4 X 1¾ - 5UNC | F48 | 560 | 483 | 39 |
| 66 | 1650 | 320 | 1136 | 1320 | 170 | 457 | 2032 | 48-Ø51 | 1930 | -- | -- | -- | -- | 300 | 206.5 | 44.5 | 4 X 1¾ - 5UNC | F48 | 560 | 483 | 39 |
| 72 | 1800 | 340 | 1230 | 1490 | 188 | 457 | 2195 | 56-Ø51 | 2096 | -- | -- | -- | -- | 320 | 208 | 45 | 4 X 1¾ - 5UNC | F48 | 560 | 483 | 39 |