

SEATING AND UNSEATING TORQUE
FOR BUTTERFLY VALVE,
MODEL-81 & 85F.

| | | | | |
|---------|----------|-----|------|---------------|
| REF.NO. | BFTS0016 | | | 05 REV.NO. |
| DATE | 04 | DEC | 2007 | |
| SHEET | 01 | OF | 01 | |



ELASTOMER SEAL RING ONLY.

BS: 5155 VALVES

PRESSURE IN Kg/Cm²

TORQUE IN Nm

| VALVE SIZE | PN 16 | PN 10 | PN 6 | PN 2.5 |
|------------|-------|-------|-------|--------|
| 65 | 9 | 7 | 5 | 4 |
| 80 | 13 | 10 | 8 | 6 |
| 100 | 25 | 18 | 13 | 10 |
| 125 | 58 | 44 | 24 | 19 |
| 150 | 152 | 95 | 30 | 24 |
| 200 | 180 | 110 | 63 | --- |
| 250 | 320 | 195 | 112 | --- |
| 300 | 495 | 366 | 178 | --- |
| 350 | 685 | 425 | 273 | --- |
| 400 | 1035 | 640 | 405 | --- |
| 450 | 1460 | 915 | 595 | --- |
| 500 | 2085 | 1295 | 842 | --- |
| 600 | 3410 | 2135 | 1210 | --- |
| 700 | 5570 | 3563 | 1845 | --- |
| 800 | 9040 | 5800 | 2845 | --- |
| 900 | 14510 | 8270 | 4245 | 3140 |
| 1000 | 20450 | 11715 | 5695 | 3950 |
| 1200 | --- | --- | 10100 | 4860 |
| 1400 | --- | --- | 16635 | 8080 |
| 1600 | --- | --- | 27200 | 14000 |

AWWA C 504 VALVES

PRESSURE IN psi

TORQUE IN Nm

| VALVE SIZE | CLASS 150 | CLASS 75 | CLASS 25 |
|------------|-----------|----------|----------|
| 600 | 2860 | 1585 | --- |
| 750 | 5580 | 2025 | --- |
| 900 | 9665 | 4680 | --- |
| 1050 | 14205 | 6535 | --- |
| 1200 | 15180 | 8980 | 4460 |
| 1350 | 22050 | 12151 | 6165 |
| 1500 | 30540 | 16950 | 9000 |

NOTES

1) FOR WET SERVICE ACTUATOR TORQUE SHOULD BE

- 25% More than above - Manually and Pneumatic operated valves.
- 35% More than above - Manual override + Pneumatic operated valves.
- 50% More than above - Electrical actuator operated valves.

2) FOR DRY SERVICE ACTUATOR OUT PUT TORQUE SHOULD BE

- 50% More than above - Manually and Pneumatic operated valves.
- 60% More than above - Manual override + Pneumatic operated valves.
- 100% More than above - Electrical actuator operated valves.

PREPARED BY :

APPROVED BY :