

Certificate of Compliance
AWWA Standard for Rubber-Seated Butterfly Valves C504-10
AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-09
Manual Valve Actuators – Summary Sheet

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|------------------------|---|
| Actuator Type: | IW5 |
| Max Rated Torque: | 4920 lbft |
| Ratios: | 120:1, 80:1 and 40:1 |
| Max handwheel size: | 36 inches |
| Test Report Reference: | T715, T729 |
| Design File Reference: | AWWA C504-10 and C517-09, IW5 120:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW6 |
| Max Rated Torque: | 8895 lbft |
| Ratios: | 210:1 and below |
| Max handwheel size: | 36 inches, 210:1; 48 inches, 140:1 and below |
| Test Report Reference: | T672, T709 |
| Design File Reference: | AWWA C504-10 and C517-09, IW6 210:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW72 |
| Max Rated Torque: | 19177 lbft |
| Ratios: | 360:1 and below |
| Max handwheel size: | 36 inches, 360:1; 48 inches 240:1 and below |
| Test Report Reference: | T1106, T1107 and T1162 |
| Design File Reference: | AWWA C504-10 and C517-09, IW72 360:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW85 |
| Max Rated Torque: | 35477 lbft |
| Ratios: | 720:1 and below |
| Max handwheel size: | 36 inches, 720:1 and 540:1; 48 inches 480:1 and below |
| Test Report Reference: | T1051, T1100 and T1223 |
| Design File Reference: | AWWA C504-10 and C517-09, IW8 720:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW9 |
| Max Rated Torque: | 50081 lbft |
| Ratios: | 960:1 and below |
| Max handwheel size: | 36 inches, 960:1; 48 inches 720:1 and below |
| Test Report Reference: | T1092, T1093 and T1113 |
| Design File Reference: | AWWA C504-10 and C517-09, IW9 960:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW10 |
| Max Rated Torque: | 62399 lbft |
| Ratios: | 1080:1 and below |
| Max handwheel size: | 36 inches, 1080:1 and 960:1; 48 inches, 720:1 and below |
| Test Report Reference: | T672 and T727 |
| Design File Reference: | AWWA C504-10 and C517-09, IW10 1080:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW11 |
| Max Rated Torque: | 103998 lbft |
| Ratios: | 1080:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672 and T779 |
| Design File Reference: | AWWA C504-10 and C517-09, IW11 1080:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW12 |
| Max Rated Torque: | 132763 lbft |
| Ratios: | 2400:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672 and T778 |
| Design File Reference: | AWWA C504-10 and C517-09, IW12 1800:1 |
| Date of issue: | 19 th October 2011 |

Certificate of Compliance
AWWA Standard for Rubber-Seated Butterfly Valves C504-10
AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-09
Manual Valve Actuators - Summary Sheet for Additional 450 lbft Overload Capacity

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|------------------------|-------------------------------------|
| Actuator Type: | IW5 |
| Max Rated Torque: | 4920 lbft |
| Ratios: | 80:1 and 40:1 |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T715, T729 and T776 |
| Design File Reference: | AWWA C504-10 & C517-09, IW5 120:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW6 |
| Max Rated Torque: | 8895 lbft |
| Ratios: | 140:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672, T709 and T774 |
| Design File Reference: | AWWA C504-10 & C517-09, IW6 210:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW72 |
| Max Rated Torque: | 19177 lbft |
| Ratios: | 240:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T1107, T1162 and T765 |
| Design File Reference: | AWWA C504-10 & C517-09, IW72 360:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW85 |
| Max Rated Torque: | 35477 lbft |
| Ratios: | 480:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T1051, T1100 and T754 |
| Design File Reference: | AWWA C504-10 & C517-09, IW8 720:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW9 |
| Max Rated Torque: | 46836 lbft |
| Ratios: | 540:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T1092, T1093 and T1262 |
| Design File Reference: | AWWA C504-10 & C517-09, IW9 960:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW10 |
| Max Rated Torque: | 62399 lbft |
| Ratios: | 720:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672, T727 and T770 |
| Design File Reference: | AWWA C504-10 & C517-09, IW10 1080:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW11 |
| Max Rated Torque: | 103998 lbft |
| Ratios: | 1080:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672 and T779 |
| Design File Reference: | AWWA C504-10 & C517-09, IW11 1080:1 |
| Date of issue: | 19 th October 2011 |
| Actuator Type: | IW12 |
| Max Rated Torque: | 132763 lbft |
| Ratios: | 2400:1 and below |
| Max handwheel size: | 48 inches |
| Test Report Reference: | T672 and T778 |
| Design File Reference: | AWWA C504-10 & C517-09, IW12 1800:1 |
| Date of issue: | 19 th October 2011 |