

Certificate of Compliance
AWWA Standard for Rubber-Seated Butterfly Valves C504-15
AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-09
Manual Valve Actuators – Summary Sheet

Actuator Type: IW5 (Bronze Gearing)
Max Rated Torque: 4920 lbft
Ratios: 144:1, 120:1, 96:1, 80:1, 48:1
Max handwheel size: 36 inches, 144:1 and 120:1; 48 inches, 96:1 and below
Test Report Reference: T715, T729, T776, T2104, and T2107
Design File Reference: AWWA C504-15 & C517-09, IW5 144:1, IW5 120:1
Date of issue: 13th July 2016

Actuator Type: IW6
Max Rated Torque: 8895 lbft
Ratios: 228:1 and below
Max handwheel size: 36 inches, 228:1; 48 inches, 152:1 and below
Test Report Reference: T2232, T2233 and T2234
Design File Reference: AWWA C504-15 and C517-09, IW6 228:1
Date of issue: 15th March 2016

Actuator Type: IW7
Max Rated Torque: 14750 lbft
Ratios: 384:1 and below
Max handwheel size: 36 inches, 384:1; 48 inches 256:1 and below
Test Report Reference: T2235, T2236 and T2274
Design File Reference: AWWA C504-15 and C517-09, IW7 384:1
Date of issue: 16th March 2016

Actuator Type: IW8
Max Rated Torque: 25075 lbft
Ratios: 768:1 and below
Max handwheel size: 36 inches, 768:1 and 576:1; 48 inches 512:1 and below
Test Report Reference: T2239, T2240 and T2286
Design File Reference: AWWA C504-15 and C517-09, IW8 768:1
Date of issue: 20th April 2016

Actuator Type: IW9
Max Rated Torque: 46835 lbft
Ratios: 1044:1 and below
Max handwheel size: 36 inches, 1044:1; 48 inches 928:1 and below
Test Report Reference: T2241, T2307 and T2308
Design File Reference: AWWA C504-15 and C517-09, IW9 1044:1
Date of issue: 12th July 2016

Actuator Type: IW10
Max Rated Torque: 55740 lbft
Ratios: 1332:1 and below
Max handwheel size: 36 inches, 1332:1; 48 inches, 1184:1 and below
Test Report Reference: T2245, T2246 and T2247
Design File Reference: AWWA C504-15 and C517-09, IW10 1332:1
Date of issue: 20th April 2016

Actuator Type: IW11
Max Rated Torque: 93855 lbft
Ratios: 1752:1 and below
Max handwheel size: 48 inches
Test Report Reference: T2246, T2247 and T2358
Design File Reference: AWWA C504-15 and C517-09, IW11 1752:1
Date of issue: 22nd August 2016

Actuator Type: IW12
Max Rated Torque: 120960 lbft
Ratios: 2374:1 and below
Max handwheel size: 48 inches
Test Report Reference: T2246, T2249 and T2250
Design File Reference: AWWA C504-15 and C517-09, IW12 2374:1
Date of issue: 20th April 2016

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AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-09
Manual Valve Actuators - Summary Sheet for Additional 450 lbft Overload Capacity

Actuator Type: IW5 (Bronze Gearing)
Max Rated Torque: 4920 lbft
Ratios: 96:1, 48:1, 80:1
Max handwheel size: 48 inches
Test Report Reference: T715, T729, T776, T2104, and T2107
Design File Reference: AWWA C504-15 & C517-09, IW5 96:1, IW5 80:1
Date of issue: 13th July 2016

Actuator Type: IW6
Max Rated Torque: 8895 lbft
Ratios: 152:1 and below
Max handwheel size: 48 inches
Test Report Reference: T774, T2232, T2233 and T2234
Design File Reference: AWWA C504-15 & C517-09, IW6 152:1
Date of issue: 15th March 2016

Actuator Type: IW7
Max Rated Torque: 14750 lbft
Ratios: 256:1 and below
Max handwheel size: 48 inches
Test Report Reference: T765, T2235, T2236 and T2274
Design File Reference: AWWA C504-15 & C517-09, IW7 256:1
Date of issue: 16th March 2016

Actuator Type: IW8
Max Rated Torque: 25075 lbft
Ratios: 512:1 and below
Max handwheel size: 48 inches
Test Report Reference: T754, T2239, T2240 and T2286
Design File Reference: AWWA C504-15 & C517-09, IW8 512:1
Date of issue: 20th April 2016

Actuator Type: IW9
Max Rated Torque: 46835 lbft
Ratios: 696:1 and below
Max handwheel size: 48 inches
Test Report Reference: T1262, T2241, T2307 and T2308
Design File Reference: AWWA C504-15 & C517-09, IW9 696:1
Date of issue: 12th July 2016

Actuator Type: IW10
Max Rated Torque: 55740 lbft
Ratios: 888:1 and below
Max handwheel size: 48 inches
Test Report Reference: T770, T2245, T2246 and T2247
Design File Reference: AWWA C504-15 & C517-09, IW10 888:1
Date of issue: 20th April 2016

Actuator Type: IW11
Max Rated Torque: 93855 lbft
Ratios: 1752:1 and below
Max handwheel size: 48 inches
Test Report Reference: T779, T2246, T2247 and T2358
Design File Reference: AWWA C504-15 & C517-09, IW11 1752:1
Date of issue: 22nd August 2016

Actuator Type: IW12
Max Rated Torque: 120960 lbft
Ratios: 2374:1 and below
Max handwheel size: 48 inches
Test Report Reference: T2246, T2249 and T2250
Design File Reference: AWWA C504-15 & C517-09, IW12 2374:1
Date of issue: 20th April 2016