

**Certificate of Compliance**  
**AWWA Standard for Rubber-Seated Butterfly Valves C504-15**  
**AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-16**  
**Manual Valve Actuators – Summary Sheet**

Actuator Type:	IW5 (Iron Gearing)
Max Rated Torque:	3762 lbft
Ratios:	96:1 and 48:1
Max handwheel size:	36 inches, 96:1; 48 inches, 48:1
Test Report Reference:	T2262, T2443, T2669 and T2263
Design File Reference:	AWWA C504-15 & C517-16, IW5 96:1,
Date of issue:	29 <sup>th</sup> July 2019
Actuator Type:	IW55 (Bronze Gearing)
Max Rated Torque:	4920 lbft
Ratios:	144:1 and 96:1
Max handwheel size:	36 inches, 144:1; 48 inches, 96:1
Test Report Reference:	T2104, T2612, T2624 and T2611
Design File Reference:	AWWA C504-15 & C517-16, IW55 144:1
Date of issue:	29 <sup>th</sup> July 2019
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 C517-16, IW6 228:1
Date of issue:	29 <sup>th</sup> July 2019
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 C517-16, IW7 384:1
Date of issue:	29 <sup>th</sup> July 2019
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 C517-16, IW8 768:1
Date of issue:	29 <sup>th</sup> July 2019
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 C517-16, IW9 1044:1
Date of issue:	29 <sup>th</sup> July 2019
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 T2246
Design File Reference:	AWWA C504-15 and C517-16, IW10 1332:1
Date of issue:	29 <sup>th</sup> July 2019
Actuator Type:	IW11
Max Rated Torque:	93855 lbft
Ratios:	1663:1 and below
Max handwheel size:	48 inches
Test Report Reference:	T2246, T2247, T2631, T2775 and T2788

Design File Reference: AWWA C504-15 and C517-16, IW11 1663:1  
Date of issue: 29<sup>th</sup> July 2019  
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 C517-16, IW12 2374:1  
Date of issue: 29<sup>th</sup> July 2019

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**AWWA Standard for Rubber-Seated Butterfly Valves C504-15**  
**AWWA Standard for Resilient-Seated Cast Iron Eccentric Plug Valves C517-16**  
**Manual Valve Actuators - Summary Sheet for Additional 450 lbft Overload Capacity**

Actuator Type: IW5 (Iron Gearing)  
Max Rated Torque: 3762 lbft  
Ratios: 96:1, 48:1  
Max handwheel size: 36 inches, 96:1; 48 inches, 48:1  
Test Report Reference: T2262, T2443, T2669 and T2263  
Design File Reference: AWWA C504-15 & C517-16, IW5 96:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW55 (Bronze Gearing)  
Max Rated Torque: 4920 lbft  
Ratios: 144:1 and 96:1  
Max handwheel size: 36 inches , 144:1; 48 inches, 96:1  
Test Report Reference: T2104, T2612, T2624 and T2611  
Design File Reference: AWWA C504-15 & C517-16, IW55 144:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW6  
Max Rated Torque: 8895 lbft  
Ratios: 152:1 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 C517-16, IW6 152:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW7  
Max Rated Torque: 14750 lbft  
Ratios: 256:1 and below  
Max handwheel size: 48 inches  
Test Report Reference: T2235, T2236 and T2274  
Design File Reference: AWWA C504-15 & C517-16, IW7 256:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW8  
Max Rated Torque: 25075 lbft  
Ratios: 512:1 and below  
Max handwheel size: 48 inches  
Test Report Reference: T2239, T2240 and T2286  
Design File Reference: AWWA C504-15 & C517-16, IW8 512:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW9  
Max Rated Torque: 46835 lbft  
Ratios: 696:1 and below  
Max handwheel size: 48 inches  
Test Report Reference: T2241, T2307 and T2308  
Design File Reference: AWWA C504-15 & C517-16, IW9 696:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW10  
Max Rated Torque: 55740 lbft  
Ratios: 888:1 and below

Max handwheel size: 48 inches  
Test Report Reference: T2245, T2246 and T2247  
Design File Reference: AWWA C504-15 & C517-16, IW10 888:1  
Date of issue: 29<sup>th</sup> July 2019

Actuator Type: IW11  
Max Rated Torque: 93855 lbft  
Ratios: 1663:1 and below  
Max handwheel size: 48 inches  
Test Report Reference: T2246, T2247, T2631, T2775 and T2788  
Design File Reference: AWWA C504-15 & C517-16, IW11 1663:1  
Date of issue: 29<sup>th</sup> July 2019

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 & C517-16, IW12 2374:1  
Date of issue: 29<sup>th</sup> July 2019