

Smarter solutions, delivered faster

Making it easy for you to save water, time and money

ROBUST GATE ACTUATORS by Watch Technologies



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**Easily installed, solar- and SCADA- ready,
significantly lower priced, and shipped in 4 weeks.
Available in 3 models:**

WT-100 Light-Lift Gate Actuator*: Best solution for small to medium gates and valves for irrigation turnout automation, pump and pipeline control stations, and water treatment plant valve control

WT-200 Medium-Lift Gate Actuator*: Best solution for medium to large gates and valves at headgates, check structures, canals, laterals, pipeline control stations, water treatment, and industrial applications

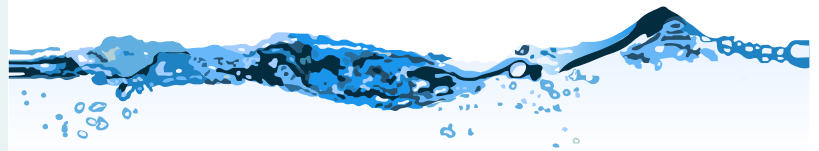
WT-300 Heavy-Lift Gate Actuator*: So strong, it's scary – up to 200 ft lbs torque and more. Perfect for large and hard to open gates and valves, headgates, check structures, canals, laterals, pipelines, and a variety of industrial applications.



WT Gate Actuator

- **Unique design:** Unlike other companies' actuators that are increasingly complicated, expensive, and hard to fix, WT invented sprocket and chain actuators that are so simple by design that anyone can assemble, operate, and maintain them. WT Gate Actuators fit any rising or non-rising stem gate or valve and **cost significantly less**.
- **With or without a "brain":** With an embedded, programmable controller, WT Gate Actuators manage flow, levels, and scheduled operations either stand-alone, or connected to a larger SCADA system. WT Gate Actuators allow external sensor input and can run multiple gates.
- **Instant fit with all Watch Technologies' integrated products:** WT is the ONLY U.S. company that designs and manufactures innovative sluice gates of all sizes, actuators, and SCADA systems that all link together seamlessly and cost efficiently -- no system integration required.

*WT-100 Light-Lift Gate Actuator – Patent Pending, WT-200 Medium-Lift Gate Actuator – Patent Pending, WT-300 Medium-Lift Gate Actuator – Patent Pending.



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Specifications Summary



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WT-100 Light-Lift Gate Actuator: *Standard Configuration*

- **Drive System:** Sprocket and #40 chain, typical 1:1 ratio, stem speed flexible
- **Torque Range:** 12.5 ft. lbs. to 41.6 ft. lbs continuous; 29 ft. lbs. to 72.8 ft. lbs. breakaway
- **Power Requirements:** 12 VDC, 2.5 Amp-Hr/day for adjustments (12 per hr typical), fused torque limits
- **Standard Electrical Panel:** 2 switches: (1) Fixed Position: Toggle HOA (Hand, Off, Auto/SCADA)
(2) Manual: Momentary Up/Down Toggle, fuse holder, external 12 VDC power input, hardwired limit logic
- **Battery:** 12 VDC, 7 or 10 Amp-Hr sealed lead-acid battery, or additional external capacity
- **Options:** Internal position sensor, vertical or horizontal stem orientation, limit switch assemblies, telemetry (RF, satellite, hardwire), embedded controller (flow, level, position control, custom programming)

WT-200 Medium-Lift Gate Actuator: *Standard Vertical or Gearlift Configuration*

- **Drive System:** Sprocket and chain, #40 chain, typical 1:1 – 1:2.5 ratio, stem speed flexible
- **Torque Range:** 25 ft. lbs. to 110 ft. lbs continuous; 40 ft. lbs. to 192.5 ft. lbs. breakaway
- **Power:** 12 or 24 VDC, 3.76 – 7.5 Amp-hr/day for adjustments (12 per hr typical), fused torque limits
- **Standard Electrical Panel:** 2 switches: (1) Fixed Position: Toggle HOA (Hand, Off, Auto/SCADA)
(2) Manual: Momentary Up/Down Toggle, fuse holder, external 12 VDC power input, hardwired limit logic
- **Battery:** 12 or 24 VDC, 10 or 18 Amp-Hr sealed lead-acid battery, or additional external capacity
- **Options:** Internal position sensor, vertical or horizontal stem orientation, limit switch assemblies, telemetry, embedded controller (flow, level, position control, custom programming)

WT-300 Heavy-Lift Gate Actuator: *Standard Vertical or Gearlift Configuration*

- **Drive System:** Sprocket and chain, #40 chain, typical 1:1 – 1:2.5 ratio, stem speed flexible
- **Torque Range:** 22.5 ft. lbs. to 192.5 ft. lbs continuous; 40 ft. lbs. to 337 ft. lbs. breakaway
- **Power:** 12 or 24 VDC, 7.2 – 14.4 Amp-hr/day for adjustments (12 per hr typical), fused torque limits
- **Standard Electrical Panel:** 2 switches: (1) Fixed Position: Toggle HOA (Hand, Off, Auto/SCADA)
(2) Manual: Momentary Up/Down Toggle, fuse holder, external 12 VDC power input, hardwired limit logic
- **Battery:** 12 or 24 VDC 10 or 18 Amp-Hr sealed lead-acid battery, or additional external capacity
- **Options:** Internal position sensor, vertical or horizontal stem orientation, limit switch assemblies, telemetry (RF, satellite, hardwire), embedded controller (flow, level, position control, custom programming)