MOTOR OPERATED SHUTTER VALVE

Designed to meet Navy MIL-Spec requirements and marine environments

A new solution for many ship-board applications

SHUTTER VALVE

- Full bore port allows high flow rates
- Zero leakage up to 1800 PSIG
- Full metal seated design available
- Limitless throttling at all flow rates
- Available in all popular materials, steel, stainless steel, NAB, NiCu, Titanium, Inconel, etc.
- Reduced weight compared to Navy ball valves
- Extremely low torque required
- Very low noise profile

NU-TORQUE ELECTRIC ACTUATOR

- Mil-Spec actuators to DOD-V-24657 and MIL-M-17059, Model MS05
- Low cost, lightweight COTS to IEEE-45, Models E03 & MI03
- Submersible and explosion proof housings
- Available in several materials to suit the environment, ductile iron, bronze, aluminum and composite.
- Integral controls, pushbuttons & lights
- Non-intrusive installation and setup.
- Serial communications

NU-TORQUE ACTUATED SHUTTER VALVE

- Compact, light weight configurations.
- Navy High Shock and vibration capable configurations
- Improved reliability over ball and gate valve applications
- Reduced operating time

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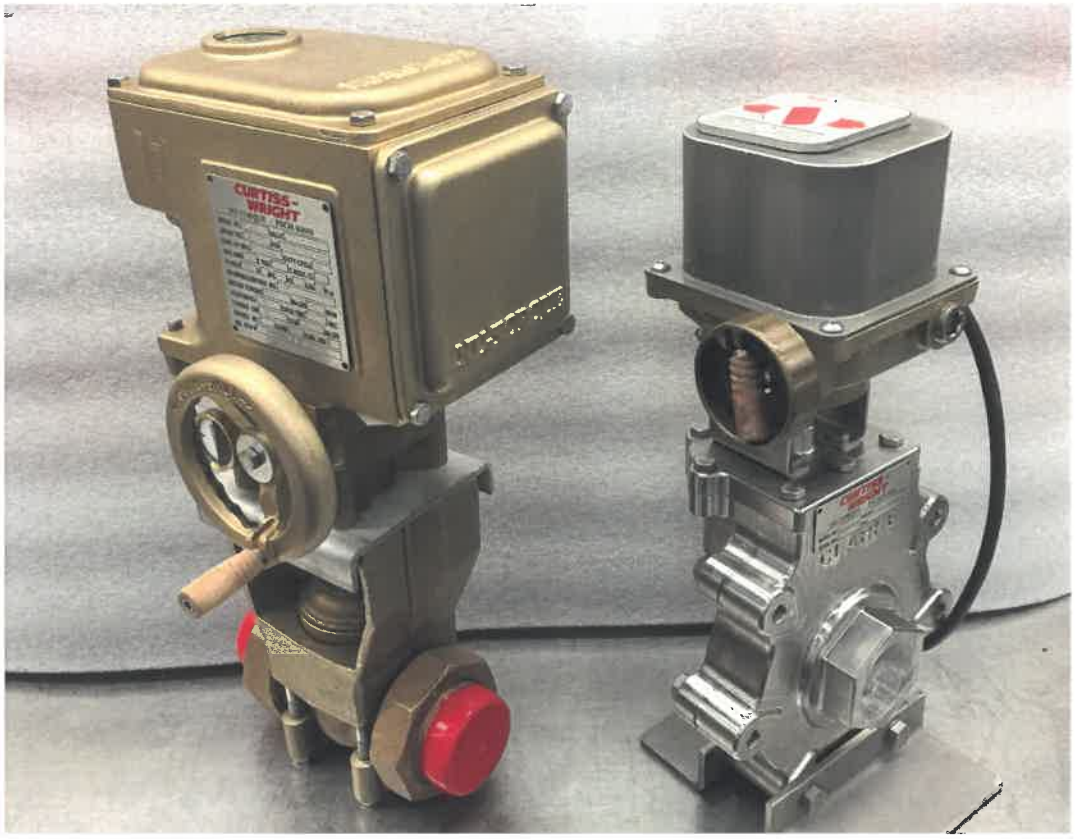
MOTOR OPERATED SHUTTER VALVE

Nu-Torque Actuator Options

Model No.:	MS05	MI03	E03
Housing:	Bronze/Stainless	Bronze/Stainless	Die cast aluminum
Hardware:	Corrosion resistant	Corrosion resistant	Corrosion resistant
Handwheel:	3" or 5" with spinner	3" with spinner	3" with spinner
Magnetic permeability:	Less than 2.0	Less than 2.0	Less than 2.0
Switches:	250 VAC, 5 AMP	250 VAC	5 AMP
Motor voltage:	115 VAC, 1 ph. 60 Hz 440 VAC, 3 ph. 60 Hz	115 VAC, 1 ph. 60 Hz	115 VAC, 1 ph. 60 Hz
Motor Spec	MIL-M-17059, 17060	IEEE-45	IEEE-45
Output torque:	300 - 13,500 in. lbs.	50 - 500 in. lbs.	50 - 500 in. lbs.
Output speed	4 to 30 seconds	9 seconds	9 seconds
Weight:	41-54 lbs.	16 lbs.	11 lbs.

Certifications

Shock test:	MIL-S-901D
Vibration test:	MIL-STD-167-1
EMI:	MIL-STD-461
Fire:	API-607



2 inch union end gate valve with MS6 actuator 105 lbs, 35 seconds to close

2 inch shutter valve with MI03 actuator 65 lbs, 9 seconds to close

Comparison illustration

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