PERMANENT MAGNET ELECTROMECANICAL ROTARY ACTUATORS

Valve Actuator for Surface Ship Propulsion and Ship Service Valves
Permanent Magnet Electromechanical Actuator

Reliable, reduced maintenance, best value actuator

Features:
- Reduced Maintenance
  - Long life designs
  - Fault notification
  - Easy installation and set up
- Common Direct Control Interface
  - Programmable speed & torque ranges
- Fiber optic & standard connections
- Network & local operation
- Manual back-up hand wheel
- Operates at 50° submergence

Designed to meet:
- MIL-S-901D Grade A High Impact Shock
- MIL-STD-167-1Vibration
- MIL-STD-461EMI
- Manual operation after API 607 fire test

Designed to Operate:
- Gate Valves
- Globe Valves
- Ball Valves
- Butterfly Valves
- Plug Valves

FAMILY OF COMMON ROTARY ACTUATORS SIZED TO APPLICATION

<table>
<thead>
<tr>
<th>Actuator Type</th>
<th>Torque Range (in-lbs)</th>
<th>Max Operating Time (sec)</th>
<th>Dimensions (inches)</th>
<th>Weight (lbs)</th>
<th>Motor (hp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Turn 1 &amp; 2</td>
<td>1,000 to 6,875</td>
<td>120</td>
<td>17.1 (L) 14 (W) 19.5 (H)</td>
<td>241</td>
<td>4.4</td>
</tr>
<tr>
<td>Multi-Turn 3</td>
<td>400 to 1,875</td>
<td>120</td>
<td>22.9 (L) 6.8 (W) 10.6 (H)</td>
<td>91</td>
<td>0.5</td>
</tr>
<tr>
<td>Quarter-Turn 4</td>
<td>350 to 18,750</td>
<td>30</td>
<td>21.9 (L) 9.1 (W) 12.2 (H)</td>
<td>90</td>
<td>0.2</td>
</tr>
<tr>
<td>Quarter-Turn 5</td>
<td>7,800 to 37,500</td>
<td>9.5</td>
<td>19.2 (L) 16.0 (W) 20.4 (H)</td>
<td>305</td>
<td>5.8</td>
</tr>
</tbody>
</table>