## Part 1A

**Subject: Hydraulic/Pneumatic Systems**  
**Product: Actuator (Part 1A)**

<table>
<thead>
<tr>
<th>Producer/Licence No.</th>
<th>Type</th>
<th>Details of Approval</th>
<th>Application</th>
<th>Remarks</th>
<th>Cert. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emerson Process Management-Valve Automation, 19200 NW Freeway Houston, Texas – 77065 USA</td>
<td>Quarter turn scotch yoke pneumatic or hydraulic actuators with spring return or double acting. Model size: 01, 2, 3, 4, 5, 7, 8, 10 &amp; 13</td>
<td>Fixed and mobile offshore use. To drive quarter turn valves from full one side to a fail safe fully the other side position.</td>
<td>Expires: 05 Feb 2023 Refer to certificate for conditions.</td>
<td>96/60075(E8)</td>
<td></td>
</tr>
</tbody>
</table>

### Temperature Range (°C)

-40 to 177

### Pneumatic Actuator

- Operating pressure (psi): 40-200
- Maximum Output Torque (lb.in):
  - G01 Pneumatic/Hydraulic: 40,500
  - G2 Pneumatic/Hydraulic: 60,000
  - G3 Pneumatic/Hydraulic: 105,000
  - G4 Pneumatic/Hydraulic: 210,000
  - G5 Pneumatic/Hydraulic: 480,000
  - G7 Pneumatic/Hydraulic: 930,000

### Hydraulic Actuator

- Operating pressure (psi): 500-5000
- Maximum Output Torque (lb.in):
  - G01 Pneumatic/Hydraulic: 40,500
  - G2 Pneumatic/Hydraulic: 59,300
  - G3 Pneumatic/Hydraulic: 78,300
  - G4 Pneumatic/Hydraulic: 161,300
  - G5 Pneumatic/Hydraulic: 386,000
  - G7 Pneumatic/Hydraulic: 743,600
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<tbody>
<tr>
<td>G8 Pneumatic/Hydraulic</td>
<td>1,500,000</td>
<td>1,146,400</td>
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<td>G10 Pneumatic/Hydraulic</td>
<td>3,000,000</td>
<td>2,433,000</td>
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<td>G13 Pneumatic/Hydraulic</td>
<td>6,000,000</td>
<td>4,917,869</td>
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