ELECTRIC QUARTER TURN ACTUATOR
MODEL: HQ-004

FEATURES AND BENEFITS

- Compact and lightweight design due to high grade aluminium housing.
- High corrosion resistance due to hard anodizing internally and externally.
- High quality polyester powder coating internally and externally.
- Space heater (0.5W) standard preventing moisture and condensation build up.
- 4 limit switches (2 operation Open/Close, 2 additional for clients use).
- Multi voltage capabilities.
- Manual over-ride standard via the use of a push button and lever.
- Multiple drillings on mounting base (to ISO5211) allows easy mounting.
- Mechanical position indicator as well as LED lamp indicators (open/close) are standard.
- Pre-wired with lead type cable wires
- Captive cover bolts

OPTIONS

- High speed operation (6.5sec)
- Potentiometer unit (1K-10K)
- Proportional control unit (in/out: 0-10V, 4-20mA)
- Current position transmitter (output 4-20mA DC)

APPLICATIONS

Challenger Valves and Actuators are the “Right Choice for Valves and Actuation” when quality matters.

HQ 004 electric actuator is specially designed for small size quarter turn valve operation such as Ball, Butterfly, Plug valves/Dampers and similar usages.

Servicing industries such as : Water & Waste Water, Mining, Desalination, Pumping, Industrial Processing, Irrigation, Materials Handling and Chemical Services.

TECHNICAL SPECIFICATION

Construction : Quarter turn electric actuator
Voltage Rating: 85-265V AC, 24V DC
Maximum Output Torque: 40Nm
Operating Time: 10-12 seconds
Mounting: ISO 5211 (F03, F04, and F05)
Enclosure: IP67
Rated Current: 110V AC - 0.12A
240V AC - 0.06A
24V DC - 0.46A
Duty Cycle: 50% (S2)
Temperature Range: -20°C to 80°C
Cable Entry: PG11 x 1
ELECTRIC QUARTER TURN ACTUATOR
MODEL: HQ-004

TECHNICAL DATA: DIMENSIONS

SIZING ACTUATORS TO SUIT CHALLENGER VALVES:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>S/S 3pc Ball Valve (SS3301)</th>
<th>S/S 3 way Ball Valve (SS490)</th>
<th>S/S Flanged Ball Valve (SS901D)</th>
<th>Brass Ball Valve (BS01)</th>
<th>Brass 3 way Ball Valve (BS10/BS05)</th>
<th>PVC True Union (PVC7/PVC8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQ004</td>
<td>008</td>
<td>008</td>
<td>015</td>
<td>008</td>
<td>008</td>
<td>015</td>
</tr>
<tr>
<td></td>
<td>010</td>
<td>010</td>
<td>020</td>
<td>010</td>
<td>010</td>
<td>020</td>
</tr>
<tr>
<td></td>
<td>015</td>
<td>015</td>
<td>025</td>
<td>015</td>
<td>015</td>
<td>025</td>
</tr>
<tr>
<td></td>
<td>020</td>
<td>020</td>
<td>-</td>
<td>020</td>
<td>020</td>
<td>032</td>
</tr>
<tr>
<td></td>
<td>025</td>
<td>025</td>
<td>-</td>
<td>025</td>
<td>025</td>
<td>040</td>
</tr>
<tr>
<td></td>
<td>032</td>
<td>-</td>
<td>032</td>
<td>032</td>
<td>050</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>-</td>
<td>040</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>