RGL’s Q-Controller is an autonomous inflow control device (AICD). Oil production is unhindered with the Q-Controller design and is preferentially produced over steam, water, and gas. Installing multiple Q-Controllers can improve recovery rates and optimize the inflow profile along the production interval.

Each Q-Controller is completed and custom designed with RGL’s screen technologies, resulting in large openflow areas for optimal exposure to the reservoir.

The Q-Controller is manufactured in an API Q1™ Certified facility.

Features and Benefits
- Uniform inflow profile
- Drift ID bore access
- Improved recovery rates and production optimization
- Superior erosion, corrosion, and scale resistance
- Viscosity sensitive and insensitive nozzles; high-flowing velocity steam, water, or gas can be choked effectively by higher pressure drop
- Evenly distributed inflow profile along the well

Applications
- Openhole standalone completions
- Secondary liner completions
- Production wells requiring sand and flow control
- Production wells for steam, water, or gas breakthrough prevention
- Ideal for vertical, deviated and horizontal completions
- Suitable for high-temperature, high-pressure service during injection, production, and stimulation

Options
- RGL proLAB™ sand control lab testing and modelling
- RGL NALU™ flow control near-wellbore modelling and optimization
- RGL patented nozzle technologies
- Sand control options include proWRAP™, proPUNCH™, and proMESH™
- Zonal isolation packers
- Temperature sensing technology
### Q-Controller™ with D Nozzles

<table>
<thead>
<tr>
<th>Description</th>
<th>4 in. (101.6 mm)</th>
<th>4.50 in. (114.3 mm)</th>
<th>5.50 in. (139.7 mm)</th>
<th>7.00 in. (177.8 mm)</th>
<th>8.63 in. (219.1 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (Maximum)</td>
<td>5.50 (139.7)</td>
<td>5.875 (149.2)</td>
<td>6.88 (174.8)</td>
<td>8.375 (212.7)</td>
<td>9.875 (250.8)</td>
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<tr>
<td>ID (Minimum)</td>
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<tr>
<td>Port ID, (mm)</td>
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<td>3, 4</td>
<td>3, 4</td>
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<tr>
<td>Number of Nozzles</td>
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<td>2-3</td>
<td>2-3</td>
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</tr>
</tbody>
</table>

### Q-Controller™ with A Nozzles

<table>
<thead>
<tr>
<th>Description</th>
<th>4 in. (101.6 mm)</th>
<th>4.50 in. (114.3 mm)</th>
<th>5.50 in. (139.7 mm)</th>
<th>7.00 in. (177.8 mm)</th>
<th>8.63 in. (219.1 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (Maximum)</td>
<td>5.00 (127)</td>
<td>5.50 (139.7)</td>
<td>6.88 (174.8)</td>
<td>8.00 (203.2)</td>
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<tr>
<td>ID (Minimum)</td>
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<td>API Drift</td>
<td>API Drift</td>
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<tr>
<td>Port ID, (mm)</td>
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<td>3.2, 4.5, 6</td>
<td>3.2, 4.5, 6</td>
<td>3.2, 4.5, 6</td>
<td>3.2, 4.5, 6</td>
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<tr>
<td>Number of Nozzles</td>
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<td>2-3</td>
<td>2-3</td>
<td>2-3</td>
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</tr>
</tbody>
</table>

Notes: Specs and illustrations for reference only. Dimensions are subject to change.

### Additional Product Information:

1. End field connections to suit customer application.
2. Screen length and specifications, as requested.
3. proWRAP™ sand control is standard.
4. Temperature rated for 650°F (343°C).
5. Tools come with two Tungsten Carbide nozzles.
6. Tools are non-shiftable.
7. Tools are rated for a 15°/100 ft (15°/30 m) bend.

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