Halliburton services' RCD 1000™ rotating control device helps reduce cost and environmental impact while improving overall wellsite safety in pressure-critical operations.

Rated to 1,000 psi (6.9 MPa) static pressure and 500 psi (3.5 MPa) dynamic pressure, the RCD 1000 device creates a pressure-tight barrier between fluid returns and personnel on the rig floor, safely containing annular fluids under pressure while drillpipe is rotating, and diverting fluids below the rig floor to the returns system without interrupting operations.

The unique bearing assembly design features a patented “no preload capability,” and houses all seals and bearings for extended bearing life and ease of replacement without tripping out of hole.

A range of available adapter accessories includes a snubbing/test/logging adapter as well as a casing stripping adapter, each of which easily clamps to the bowl of the rotating head.

With a compact design, the RCD 1000 device fits easily under most drilling rigs without modifications, providing better maneuverability and faster rig up.

**Applications**
The RCD 1000 device helps enhance HSE through total control of surface pressure in a range of pressure-critical applications:

- Managed pressure drilling, air drilling, underbalanced drilling, and kick control in conventional drilling
- Shallow gas and abnormally pressured formations
- Casing while drilling
- Extended reach horizontal and ultradeep vertical wells

**Features**
- Rated to 1,000 psi (6.9 MPa) static pressure, 500 psi (3.5 MPa) dynamic pressure
- Sized from 7 1/16-in., 3,000-psi (20.7-MPa) to 30-in., 2,000-psi (13.8-MPa) inlet flange
- Patented “no preload capability” bearing assembly design extends bearing life
- Universal bearing assembly fits all of our patented erosion-resistant bowls
- Sealed bearings easily replaced without tripping out of hole
- Clamp design allows quick and easy replacement of bearing assembly

**Benefits**
- Sealed bearing eliminates need for oil lubricator
- Helps improve safety and efficiency in pressure-critical applications
- Maintains tight control of drilling fluid to enhance HSE
- Provides more time to react to kick events
- Prevents any background gas from flashing to the atmosphere in the rig floor area
- Fits under most drilling rigs without modification
RCD 1000™ Rotating Control Device Specifications

<table>
<thead>
<tr>
<th>Bottom Flange in., psi (MPa)</th>
<th>A in. (cm)</th>
<th>B in. (cm)</th>
<th>C in. (cm)</th>
<th>D in. (cm)</th>
<th>Outlet Flange in., psi (MPa)</th>
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<tr>
<td>7-1/16, 3,000 (20.7)</td>
<td>38-1/4 (97.2)</td>
<td>32-3/8 (82.2)</td>
<td>7-1/16 (17.9)</td>
<td>16-5/8 (42.2)</td>
<td>7-1/16, 3,000 (20.7)</td>
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<tr>
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<td>38-1/4 (97.2)</td>
<td>32-3/8 (82.2)</td>
<td>7-1/16 (17.9)</td>
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<td>11, 3,000 (20.7)</td>
<td>33-1/4 (84.5)</td>
<td>27-3/8 (69.5)</td>
<td>11-1/4 (28.6)</td>
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<td>13-5/8, 3,000 (20.7)</td>
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<td>27-3/8 (69.5)</td>
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<td>31-1/4 (79.4)</td>
<td>19 (48.3)</td>
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<td>45 (114.3)</td>
<td>39-1/4 (99.7)</td>
<td>19 (48.3)</td>
<td>20-1/2 (52.1)</td>
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<tr>
<td>30, 2,000 (13.8)</td>
<td>41 (104.1)</td>
<td>38-1/2 (97.8)</td>
<td>30 (76.2)</td>
<td>18-3/4 (47.6)</td>
<td>11, 3,000 (20.7)</td>
</tr>
</tbody>
</table>

All dimensions are approximate.

For more information, contact your local Halliburton representative.

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