RCD 1000™ Rotating Control Device with Remote Hydraulic Clamp
Safe, efficient containment and diversion of drilling fluids in pressure-critical applications

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

The RCD 1000 device is equipped with a remote hydraulic clamp, which helps enable safe and secure operation by rig personnel. 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
- Remote hydraulic clamp helps enhance safety and efficiency of drilling operations
- Control Console is equipped to display all critical information, and has a safety button feature to help prevent accidental activation of controls
- 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

Benefits
- Further enhancement of safety and efficiency in pressure-critical applications
- Remote hydraulic clamp safely secures bearing assembly without manual operation by personnel below rig floor
- Maintains tight control of drilling fluid to enhance HSE
- Provides more time to react to kick events
- Prevents background gas from flashing to the atmosphere in the rig floor area
- Sealed bearing eliminates need for oil lubricator
### 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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<tbody>
<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>
<td>7-1/16, 5,000 (34.5)</td>
<td>38-1/4 (97.2)</td>
<td>32-3/8 (82.2)</td>
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<td>11, 3,000 (20.7) 5,000 (34.5)</td>
<td>33-1/4 (84.5)</td>
<td>27-3/8 (69.5)</td>
<td>11-1/4 (28.6)</td>
<td>11-1/2 (29.2)</td>
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All dimensions are approximate.

Typical installation of an RCD 1000™ rotating control device with remote hydraulic clamp and monitoring control console.

Universal quick-change sealed bearing assembly is interchangeable with all bowl sizes.

For more information, contact your local Halliburton representative.

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