RCD 2000™ Rotating Control Device with Dual Stripper Element
Safe, efficient containment and diversion of drilling fluids in pressure-critical applications

The Halliburton RCD 2000™ rotating control device helps reduce cost and environmental impact while improving overall wellsite safety in pressure-critical operations.

The RCD 2000 device is equipped with a remote hydraulic clamp which enables safe and secure operation by rig personnel. The system includes a hydraulic power unit (HPU) to deliver oil lubrication on demand to bearings and seals.

Rated to 2,000 psi (13.8 MPa) static pressure and 1,500 psi (10.3 MPa) dynamic pressure, the RCD 2000 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.

A range of available adapter accessories includes a snubbing/test/logging adapter as well as a casing stripping adapter, each of which easily attaches to the bowl of the rotating head utilizing the taper design of the bowl and clamp.

With a compact design, the RCD 2000 device fits easily under most drilling rigs without modifications, providing better maneuverability and faster rig up.

Applications
The RCD 2000 device helps enhance HSE through total control of surface pressure in a range of pressure-critical applications:

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

Features
- Dual sealing element capability
- Rated to 2000 psi (13.8 MPa) static pressure, 1500 psi (10.3 MPa) dynamic pressure
- Remote hydraulic clamp enables operator to safely secure the bearing assembly without manual operation by personnel below rig floor

- Control Console is equipped to display all critical information and has safety button feature to prevent accidental activation of controls.
- HPU unit provides on-demand lubrication to bearing assembly
- Rig floor Control Console and HPU are pneumatically powered, which allows operations in hazardous locations

Benefits
- Dual sealing element provides redundant sealing capability
- 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
- Helps prevent any background gas from flashing to the atmosphere in the rig floor area
- Fits under most drilling rigs without modification
### RCD 2000™ Dual Element 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>
</tr>
</thead>
<tbody>
<tr>
<td>11, 5,000 (34.5)</td>
<td>69-1/2 (177)</td>
<td>37 (94.0)</td>
<td>11 (27.9)</td>
<td>17-1/2 (44.5)</td>
<td>7-1/16, 3,000 (20.7) (Studded)</td>
</tr>
<tr>
<td>13-5/8, 5,000 (34.5) (Low Profile)</td>
<td>63 (160)</td>
<td>28 (71.1)</td>
<td>13-5/8 (34.6)</td>
<td>11-1/2 (29.2)</td>
<td>7-1/16, 3,000 (20.7) (Flanged)</td>
</tr>
<tr>
<td>13-5/8, 5,000 (34.5)</td>
<td>71 (180)</td>
<td>39 (99.1)</td>
<td>13-5/8 (34.6)</td>
<td>19 (48.3)</td>
<td>7-1/16, 3,000 (20.7) (Studded)</td>
</tr>
</tbody>
</table>

All dimensions are approximate.

For more information, contact your local Halliburton representative.

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