Halliburton services' RCD 5000™ rotating control device helps reduce cost and environmental impact while improving overall well site safety in pressure-critical operations.

The RCD 5000 device enables safe and secure operation during drilling and tripping operations. The system includes an automated hydraulic power unit (HPU) to deliver oil lubrication and cooling to bearings and seals.

The RCD 5000 shell is rated to 5,000 psi (34.5 MPa) static pressure, and the bearing assembly is rated to 3,000 psi (20.7 MPa) static pressure and 1,750 psi (12.1 MPa) max dynamic pressure. The RCD 5000 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 5000 device fits easily under most drilling rigs without modifications, providing better maneuverability and faster rig up.

**Applications**

The RCD 5000 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
- Offshore fixed platform or jack up rig
- Extended reach horizontal and ultradeep vertical wells

**Features**

- API 16RCD Certified
- Rated to 5,000 psi (34.5 MPa) shell static pressure, bearing assembly 3,000 psi (20.7 MPa) static pressure and 1,750 psi (12.1 MPa) max dynamic pressure
- Control Console is equipped to display all critical information and has safety button feature to prevent accidental activation of controls.
- HPU provides automated cooling and lubrication to bearing assembly
- InSite® system capable for real time operation

**Benefits**

- 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 5000™ API 16 RCD Rotating Control Device Specifications

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All dimensions are approximate.

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For more information, contact your local Halliburton representative.

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