## Land Closing Unit
Onshore BOP control system

### APPLICATION
Onshore land drilling operations

### BENEFITS
- Improved safety and serviceability with industry-leading layouts and field-tested components
- Systems that can be designed and manufactured to meet all major companies’ specifications, including API 16D, ATEX, and all European directives
- Servicing options available in the US, Canada, South America, and internationally

### FEATURES
- Designed and manufactured per API 16D
- Low-pressure alarm available
- Triple redundancy
- Standardized components
- Modular design for simple configurability
- Several available skid designs
- High-quality programmable logic control (PLC) components that minimize the potential for compatibility issues with rig electronics by working with most PLC manufacturers’ control equipment
- Touchscreen PLC, push-button hardwire PLC, and pneumatic remote options available
- Optional Class 1. Div.1, ATEX, and other safe-area offerings
- Available API 16D monogram

As a crucial component of well control, Cameron land closing units are built to high quality standards and meet API 16D requirements. The land closing units use precharged nitrogen bladder accumulator bottles, hydraulic fluid, and electric- and air-based pumps to generate pressure to operate multiple functions on a BOP stack. Remote panels are offered in electric PLC touch screen, electric PLC push button, or pneumatic air-based remote options.

Cameron offers standard system designs that complement our ram-type BOPs and also custom-engineered designs. Our standard designs include industry-leading layouts that improve the safety and serviceability of our land closing units.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Volume size, galUS</th>
<th>Number of stations (including annular)</th>
<th>Drive assembly</th>
<th>Skid type</th>
<th>Remote panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLC-300</td>
<td>300</td>
<td>7–8</td>
<td>One electric-electric and four pneumatic</td>
<td>Stationary</td>
<td>Touchscreen PLC, push-button PLC, or pneumatic remote</td>
</tr>
<tr>
<td>CLC-500</td>
<td>500</td>
<td>8</td>
<td>Two electric-electric</td>
<td>Stationary</td>
<td>Push-button PLC</td>
</tr>
<tr>
<td>CLC-700</td>
<td>700</td>
<td>16</td>
<td>Two electric–two electric</td>
<td>Stationary</td>
<td>Push-button PLC</td>
</tr>
</tbody>
</table>

The above specifications are for our standard land closing units. Customized units are available to suit individual requirements.

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