The Brains of your BOP Stack

Behind every dependable BOP stack is a dependable control unit. Without a quality control unit, even the most advanced BOP stack will fall short. With over 25 years of building experience and over 700 units shipped to date, NOV has the support and expertise needed to give you the most reliable control unit that can last decades and will get the job done safely and effectively. Not only that, we will configure your units to your specific needs. Safeguard your rig investment and most importantly, your crew, with our tried-and-true control units.

Adding to our existing facilities in Mexico and the United States, our facility in Edmonton, Canada now manufactures Koomey™ Control Units as well, allowing us to better support you from more locations worldwide.

Safe and Dependable
• Minimum triple redundancy ensures dependability in worst scenarios
• Complete diverter controls with sequencing options and indicators
• API-16D rated alarm systems to alert operator of potential issues and if drilling operations should stop to prevent a possible uncontrolled well situation

Configurable and Compatible
• Units can be configured to constricted dimensions, specific mobility restrictions or other requirements
• Units work with most PLC manufacturers’ control equipment to be compatible with your rig electronics
• Controls and alarms configured to best support your specific BOP stack and rig needs
• Standardized units offered for cost savings and quick delivery

Quality Construction
• Components have been field tested for decades to ensure dependability, maximum life and minimal downtime service
• New units are made with the newest PLC programming and screens
• API ratings for volume and output preserved in most compact footprint configurations
• Units can be designed and manufactured to any specification including ATEX, all European Directives, API, API-16D, GOST, NORSOK, DNV, ABS and all major oil companies’ specifications
BOP Control Unit

Featured BOP Control Unit Models
Standardized units offered for cost savings and quick delivery; units can be configured to your requirements.

<table>
<thead>
<tr>
<th>Model</th>
<th>Style</th>
<th>Volume Size (Gallons)</th>
<th>Drive Assembly</th>
<th>Number of Stations</th>
<th>Skid Option</th>
<th>Remote Panel</th>
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</thead>
<tbody>
<tr>
<td>2B302646B11T3P-API</td>
<td>264-EH6S</td>
<td>264</td>
<td>2 Electric pumps</td>
<td>6</td>
<td>Stationary</td>
<td>Touchscreen PLC</td>
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<tr>
<td>B302646B11T33A-API</td>
<td>264-PP6R</td>
<td>264</td>
<td>1 Electric and 3 Pneumatic pumps</td>
<td>6</td>
<td>Roll Skid</td>
<td>Pneumatic Remote Control</td>
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<td>360-EH8S</td>
<td>360</td>
<td>2 Electric pumps</td>
<td>8</td>
<td>Stationary</td>
<td>Push Button PLC</td>
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<tr>
<td>C10445B11T3A</td>
<td>44-EP5C</td>
<td>44</td>
<td>1 Electric pump</td>
<td>5</td>
<td>Compact</td>
<td>Pneumatic Remote Panel</td>
</tr>
</tbody>
</table>

BOP Control Panel
Electronic controls and alarms:
• Complete diverter controls with sequencing options and indicators
• Complete customizing screen options to pick and choose the BOP stack layout to match your drilling and diverter stacks
• Units can be designed and manufactured to any specification required around the world

• BOP monitoring system to record fluid volumes for each BOP/valve function, number of functions, time per function, all pressure readings during functions, pump flow output and maintenance schedules
• Moving BOP options for touch-screens

Various alarming system options:
• Low Accumulator Pressure
• Low Manifold Pressure
• Low Rig Air Pressure
• Low Reservoir Fluid Level
• Shear Ram Activation Alarm
• Low Shear Ram Boost System Pressure
• Excessive Motor Run Indication
• Motor Vibration Alarm
• Reservoir Fluid Temperature and Heat Controls
• Timers to indicate full Ram Closure
• Flow Meter Indicator
• Communication Failure
• On Emergency Battery Back-up
• Low Battery Back-up PLC Remote
• Emergency Nitrogen Back-up Alarm and Pressure

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