



# BOP Control Unit

## 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

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## Featured BOP Control Unit Models

Standardized units offered for cost savings and quick delivery; units can be configured to your requirements.

Model	Style	Volume Size (Gallons)	Drive Assembly	Number of Stations	Skid Option	Remote Panel
2B302646B11T3P-API	264-EH6S	264	2 Electric pumps	6	Stationary	Touchscreen PLC
B302646B11T33A-API	264-PP6R	264	1 Electric and 3 Pneumatic pumps	6	Roll Skid	Pneumatic Remote Control
2B603608B15T3P-API	360-EH8S	360	2 Electric pumps	8	Stationary	Push Button PLC
C10445B11T3A	44-EP5C	44	1 Electric pump	5	Compact	Pneumatic Remote Panel

### 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