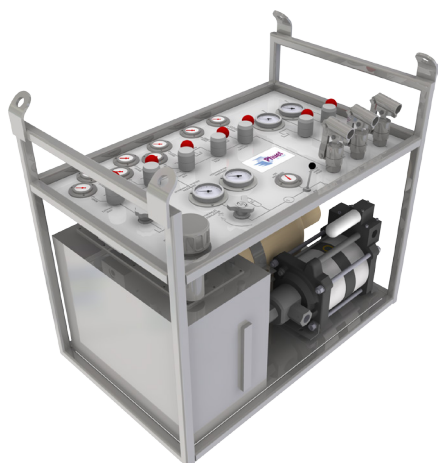
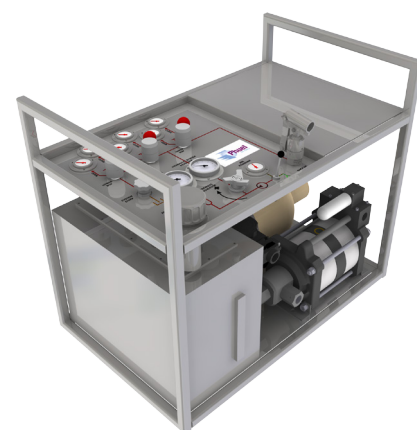




Phuel Portable Control Units



PCE Control Unit

Pressure Test Unit c/w
Chart Recorder

Triple Wireline BOP

The Phuel range of Air Driven Portable Control Units provide all the control functions required for well intervention operations requiring only a reliable air supply for operation.

The compact size allows for an effective, efficient and economical alternative to using Hand Pumps.

Built in safety features along with advanced user interface reduce risks while improving operational performance.

Units available in the range

- WL BOP Control Units (Single, Dual, Triple)
- Pressure Test Units up to 30000 psi
- Chemical Injection Units up to 30000 psi
- PCE Control Units (WL BOP, Tool trap, Tool Catcher, Stuffing box)
- Well Head Valve Control Units (HMV, SSSV)

Mobility & Flexibility

The defining characteristic of portable control units is their mobility and ease of handling. Free of the restrictions of larger units, portable units can be moved around at any time to specific areas.

This is particularly useful for operating within a specific area for a shorter time-period.

Cost Effective

- Portable units offer cost a effective alternative to larger units without compromising functionality and safety
- Flexibility of the units also provides a reduction in non-productive times

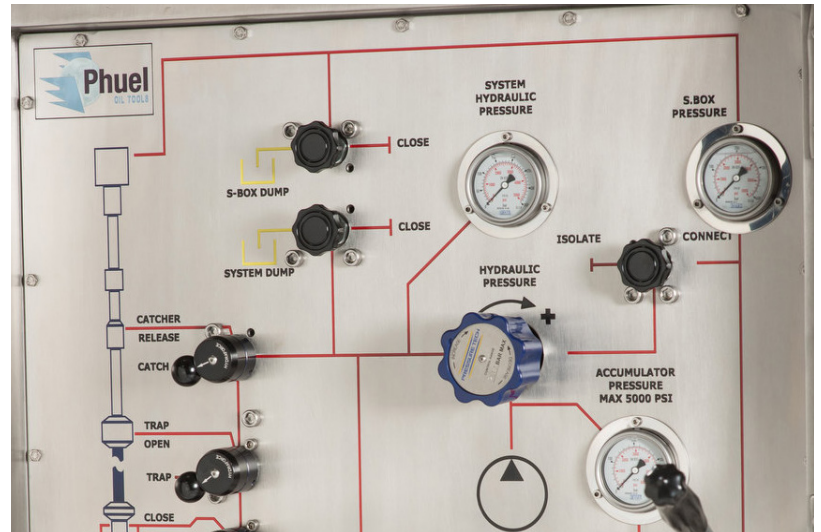
*Units illustrated without Control Panel Protective Cover



Phuel Portable Control Units

Standard Features

- All stainless steel construction
- Lifting eyes/handles for safe lifting and moving
- Back up hand pumps
- Compact design
- Panel protection covers
- Highest quality of hydraulic and pneumatic components common throughout the range - industry proven, supported globally and used throughout the Phuel range of Control Modules
- CE marked /ATEX approved



Control Panels

Units are fitted with an Operators Panel that demonstrates the fluid circuits and is constructed from precision laser cut stainless steel, engraved and infilled with a colour representation (mimic) diagram of the circuits.

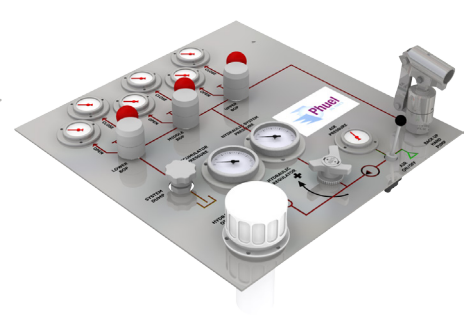
This assists the operator to identify the circuits and associated valves quickly, therefore assisting in the reduction of control input errors.



PCE Control Panel



PCE Test Control Panel

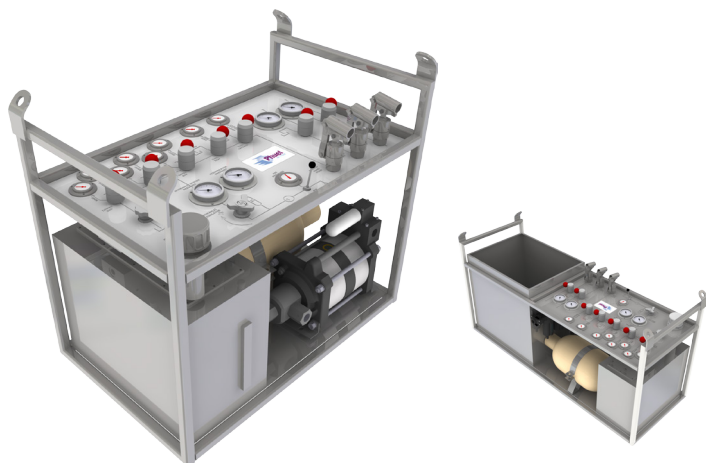


PCE Triple Control Panel



Control Units

Phuel Portable PCE Control Unit

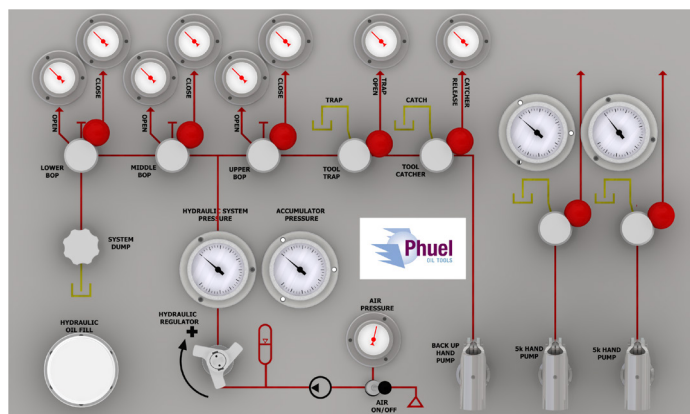


Operable Functions

- Air On/Off (Toggle Switch)
- Tool Trap Operation (Rotary Valve)
- Tool Catcher Operation (Rotary Valve)
- BOP Operation (Rotary Valves)
- System Dump (Needle Valve)
- Stuffing Box operation (Rotary Valve + Hand Pump)
- Stuffing Box Dump (Rotary Valve)
- Auxiliary line (Rotary Valve + Hand Pump)
- Auxiliary line (Rotary Valve)
- System Back Up (Hand Pump)
- Pressure Adjustment (Hydraulic Regulator)

Indicators

- Air supply pressure (1.5" Gauge)
- System hydraulic pressure (2.5" Gauge)
- Accumulator pressure (2.5" Gauge)
- BOP, Tool Trap & Tool Catcher Actuation Pressure (1.5" Gauges - optional)
- Stuffing Box pressure (2.5" Gauge)
- Auxiliary line pressure (2.5" Gauge)
- Visual indication of Valve position (Panel engraving + Valve Handle position)
- (1.5" Gauges - optional)



PCE Control Panel Layout

Specifications

Mainframe:

Stainless Steel Construction

*Footprint: (L x W x H) 800mm x 500mm x 660mm

(L x W x H) 32" x 20" x 26"

* dimensions without hose storage box

Air Hydro Pump(s):

- 1 x Maximator Pump
- Pressure Ratio 1:56

System Back up:

- 10 litre accumulator (5000 psi)
- 1 x Hand Pump

Filtration:

- Suction Strainer
- Return Filter
- Air Filter

Tank Capacity:

30 litres (6.5 US gallons)

Safety Features:

Pressure Relief Valves (Main System & Accumulator)

Weight:

80 - 120kg (180 - 300lb)

Certification:

CE marked, ATEX approved

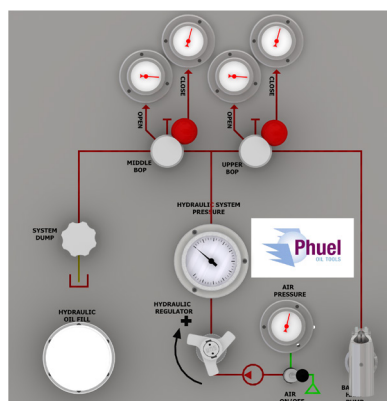
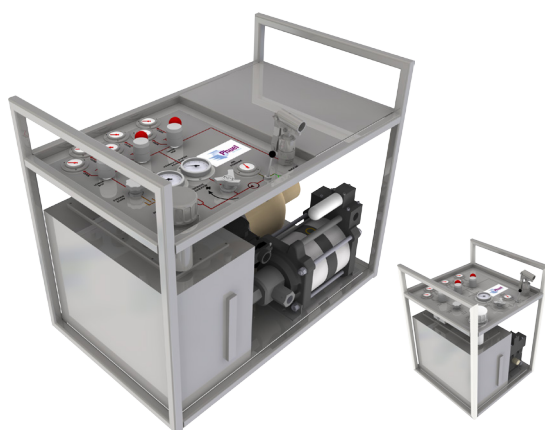
Options:

- Various Accumulator sizes
- Hose Storage Box
- Various Control Options

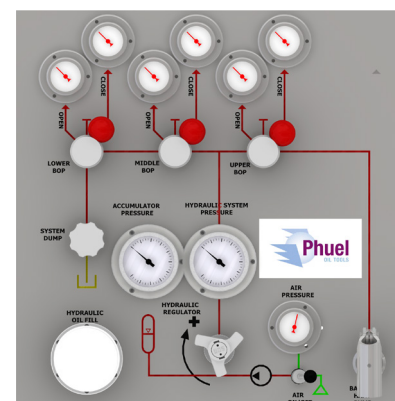


Control Units

Phuel Portable Wireline BOP Control Unit



Dual BOP Control Panel

Triple BOP Control Panel
with Accumulator

Operable Functions

- Air On/Off (Toggle Switch)
- BOP Operation (Rotary Valves)
- System Dump (Needle Valve)
- System Back Up (Hand Pump)
- Pressure Adjustment (Hydraulic Regulator)

Indicators

- Air supply pressure (1.5" Gauge)
- System hydraulic pressure (2.5" Gauge)
- Accumulator pressure (2.5" Gauge)
- BOP Actuation Pressure (1.5" Gauges - optional)
- Visual indication of Valve position (Panel Engraving + Valve Handle position)

Specifications

Mainframe:

Stainless Steel Construction

*Footprint: (L x W x H) 800mm X 500mm x 660mm

(L x W x H) 32" x 20" x 26"

*dimensions for Triple WL / BOP 10l Accumulator

Safety Features:

Pressure Relief Valves (Main System & Accumulator)

Air Hydro Pump(s):

- 1 x Maximator Pump
- Pressure Ratio 1:56

Weight:

80 - 120kg (180 - 300lbs)

System Back up:

- 10 litre Accumulator (5000 psi)
- 1 x Hand Pump

Certification:

CE Marked, ATEX approved

Filtration:

- Suction Strainer
- Return Filter
- Air Filter

Options:

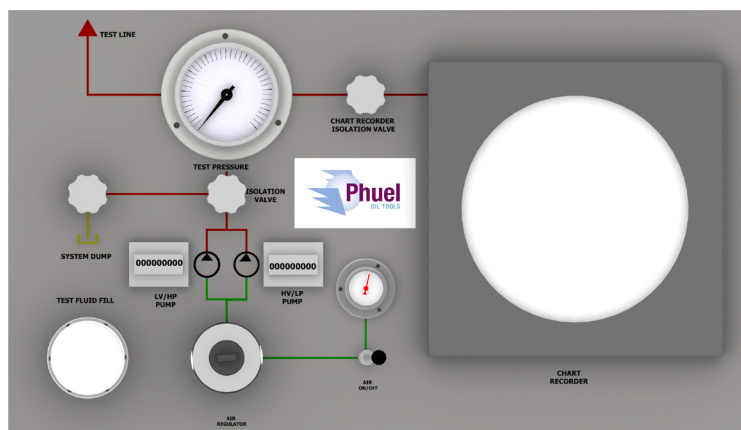
- Various Accumulator Sizes
- Hose Storage Box
- Various BOP Configurations

Tank Capacity

20 litres (6.5 US gallons)



Phuel Portable Test Unit



Control Panel with Chart Recorder

Operable Functions

- Air On/Off (Toggle Switch)
- System Dump (Needle Valve)
- Pressure Adjustment (Air Regulator)
- Test line isolation (Needle Valve)
- Chart Recorder isolation (Needle Valve)
- Stroke Counter reset (Stroke Counter Button)

Indicators

- Air supply pressure (1.5" Gauge)
- Test pressure (3.0" Gauge)
- Volume/Flowrate (Stroke Counters)

Specifications

Mainframe:

Stainless Steel Construction

*Footprint: (L x W x H) 800mm x 500mm x 660mm

(L x W x H) 32" x 20" x 26"

* dimensions with chart recorder

Safety Features:

Pressure Relief Valves

Emergency shutdown (optional)

Air Hydro Pump(s):

- 1 X LP/HV Pump

- 1 X HP/LV Pump

Weight:

50 - 80kg (110 - 180lb)

Tank Capacity:

20-40 litres (2.5 - 8 US gallons)

Certification:

CE marked, ATEX approved

Filtration:

Suction Strainer

Return Filter

Air Filter

Options:

Chart Recorder

Output to Electronic Chart Recorder

Frame lifting Pad Eyes