

**Model Number:** BD FP 01

**Manufacturer:** Black Diamond Well Services

**Compact Fluid Pump:** Black Diamond Well Service’s Compact Fluid Pump is a complementary component to our light weight well intervention package. The BD FP 01 Pump offers a lightweight, compact high pressure pumping solution alongside other compact well intervention packages and or when standalone high pressure pumping is required and site access is restricted by either space limitations or weight limits.

Mounted in a DNV 2.7-1 certified and fully enclosed skid frame, the unit is driven by a “standard” Zone II hazardous area certified slick line power pack typically rated for 80hp. The triplex pump is controlled using a hydraulic over hydraulic control system and can be configured to provide flow rates up to 0.75bpm and pressures up to 10,000psi depending on fluid end configuration and power pack in use.

Designed as a true compact unit, the BD FP 01 requires no onsite assembly beyond the connection of hydraulic hose saving valuable rig up time and reducing crew requirements.



**Weight:** WLL 1.5MT. (The associated power packs have typical transport weights of 2.0MT)

**Dimensions:** L x W x H = 1450 x 1450 x 1600mm  
(The associated power pack have typical transport dimensions of 1880 x 1220 x 1420mm).

**Specifications:**

- Containerized design with rigid skid and full opening access doors.
- DNV 2.7-1 certified skid frame with sealed base and supplied with certified slings and fitted with forklift pockets.

- The pump systems are controlled and monitored from a local panel mounted externally on the pump unit.
- The high pressure triplex pump, rated for 120KW, is driven by an hydraulic motor direct coupled to the input pinion shaft.
- The triplex pump is protected by both over pressure systems within the hydraulic control system, operator adjustable discharge over pressure shut down and pressure relief valves on the discharge pipe work.
- The pumps working range (pressure and flow rate) can be adjusted beyond the control system range by simple piston change out in the field.
- The BD FP 01 is supplied as standard with 40mm and 20mm fluid end kits. Other fluid ends are available to extend the pressure and pump rate range.
- All discharge pipe work is rated to 10,000psi
- The unit includes an hydraulically driven centrifugal charge pump.
- The pump has minimal pipework and associated manifolding to reduce unit weight.
- Suction and discharge lines are terminated at a common stainless steel engraved bulkhead with industry standard fittings:
  - Suction 1 1/4" Camlock (Male)
  - Discharge 2" Fig 1502 (Female)

For More Information on this and other Black Diamond Products and Services please contact:

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