

  
— BIODIESEL LOGIC INC —  
**BDL-55-PCT**

The BDL-55PCT Pre-Conditioning vessel; includes

- One size #3 carbon steel WVO pre-filter canister with a 400 micron polypropylene felt bag filter.
  - One 84 gallon cone bottom 14 ga 304L stainless steel pre-conditioning vessel, with removable man-way cover for routine maintenance and cleaning of reactor. The vessel shall be equipped with integral sight gauge for visual indication of tank liquid level. The vessel shall be insulated with 1/4" high density ceramic fiber insulation and wrapped with a hammered finish aluminum cover.
  - One internal 220VAC, 1 Ph 2250 Watt, 1 Ph 316L stainless steel alloy heater assembly.
  - One 110VAC, ½ hp, 1 Ph, TEFC mixing pump/ glycerin removal pump/ oil transfer pump.
  - All piping exposed internally to oil or biodiesel is carbon steel with the exception of valves, access fittings and pump.
  - One solid state low liquid level controller designed for direct immersion in oil.
  - One optical pump level control switch.
  - One NEMA 4/12 control panel, the control panel shall feature a digital temperature controller with illuminated oil-tight push buttons for each process stage.
  - All component/device wiring is enclosed in liquid tight flexible conduit with the exception of pump motors designed to use SVO cord.
  - One spring loaded 1.5 psig vacuum breaker.
  - One spring loaded 1.5 psig vent valves.
  - All components of the packaged processor system are mounted on a heavy duty steel stand consisting of a base constructed from 6CX8 channel on edge with minimum of four 1" X ¼" square tubing vertical supports to a top 1"X ¼" frame with lifting lugs capable of supporting 500 lbs combined weight. The stand is painted with one coat of high particulate primer and two coats of polyurethane enamel paint.
  - Three sets of printed Step-by-step directions for general operation are shipped with the unit.
  - Biodiesel Logic Inc provides full documentation of factory operational testing.
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- **Dimensions:** 26"w x 26"d x 79"h. Overall height adjustable +/- 2"
  - **Weight:** aprox 300 Lbs. (empty)
  - **Capacity:** 55 gallons of oil
  - **Electrical:** 110/220 VAC 20Amp Circuit