

  
**BDL-275-MPS**

The BDL-275 Modular Processor System "**Patent Pending**". Includes a 400 micron WVO pre-filter with pneumatic feedstock transfer pump, one 360 gallon cone bottom 304L stainless steel pre-conditioning vessel with internal 220VAC SS alloy heaters, 200 micron WVO intermediate filter, one 360 gallon cone bottom 304L stainless steel reaction vessel with internal 220VAC SS alloy heaters, and two 300 gallon carbon steel holding/storage tanks with three integrated Amberlite dry wash cells, 5 micron final filter and maintenance access covers w/gasket, 80 gallon HDPE methyl/oxide mixing tank all mounted and piped in a 8 ft X 20 ft steel HC container complete with lighting, air compressor and locking doors. Each MPS comes with an installed pneumatic methanol transfer pump, one magnetic drive 110VAC methyl/oxide injection pump, one 220VAC/TEFC oil transfer pump, two 220VAC/TEFC mixing pumps, two 220VAC/TEFC glycerin removal pumps, one 220VAC/TEFC dry wash pump, one 220VAC/TEFC high speed methoxide prop mixer with stainless steel shaft and two SS 3-blade props, 220VAC/TEFC fuel transfer pump, 220VAC SS alloy flash separator/heater, water chiller cooled methanol recovery condenser, visual level indication gage's, welded carbon steel piping, solid state low liquid level controls, optical flow switch's, optical level control switch's, NEMA 4/12 control panel, liquid tight flexible conduit, spring loaded 1.5 psig vacuum breakers, spring loaded 1.5 psig vent valves, 352 lb Amberlyte charge, removable man-way cover for routine maintenance and cleaning of reactor, three horse power air compressor and step-by-step directions for use. The reactor and pre-conditioning vessels are insulated with 1/4" high density ceramic fiber insulation and wrapped with a hammered finish aluminum cover. The unit NEMA 4/12 control panel features three digital temperature controllers with illuminated oil-tight push buttons for each process stage.

- **Dimensions:** 240"w x 96"d x 114"h
- **Weight:** aprox 7600 Lbs. (empty)
- **Capacity:** 275 gallons @ 8 hrs
- **Electrical:** 110/220 VAC 60Amp Circuit

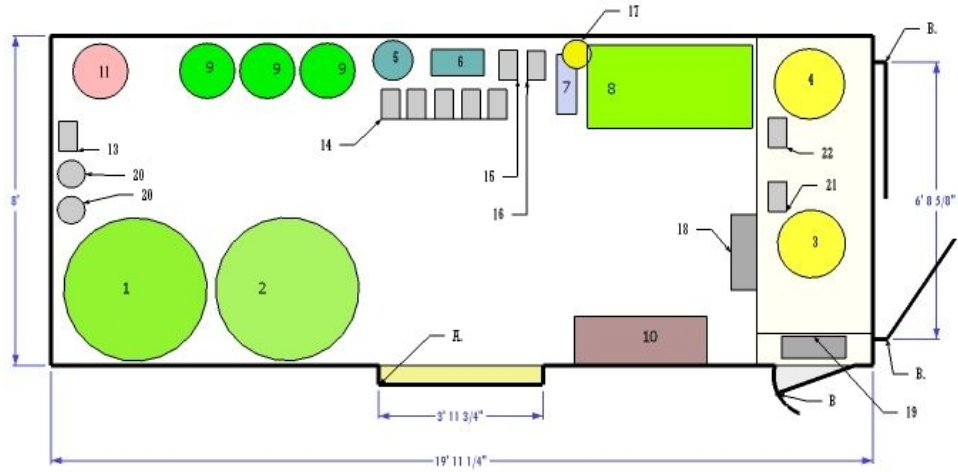
**The BDL-275 Modular Processing system does not include feed-stock storage tanks, methanol storage tanks, glycerin by-product storage tanks or finished fuel storage tanks; however flanged inlet and outlet connections are provided in recessed access panels. Optional diesel powered generator to make package stand alone can be ordered and factory installed.**

- 1 - Preheat
- 2 - Reactor
- 3 - Methoxide
- 4 - Recovered Methanol
- 5 - Cooling Fluid
- 6 - Chiller

- 7 - Methanol Recovery
- 8 - Finished Fuel
- 9 - Dry Wash Cells
- 10 - Test Station
- 11 - Air Compressor
- 12 - Optional Generator not shown

- 13 - Feedstock Pump
- 14 - Process Pumps
- 15 - Chiller Pump
- 16 - Finished Fuel Pump
- 17 - Condenser
- 18 - Operator Station

- 19 - Elec Panel
- 20 - Prefilters
- 21 - Methoxide Pump
- 22 - Methanol Pump
- A. - Roll Up Doors
- B. - Swing Open Doors



— BIODIESEL LOGIC INC —

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