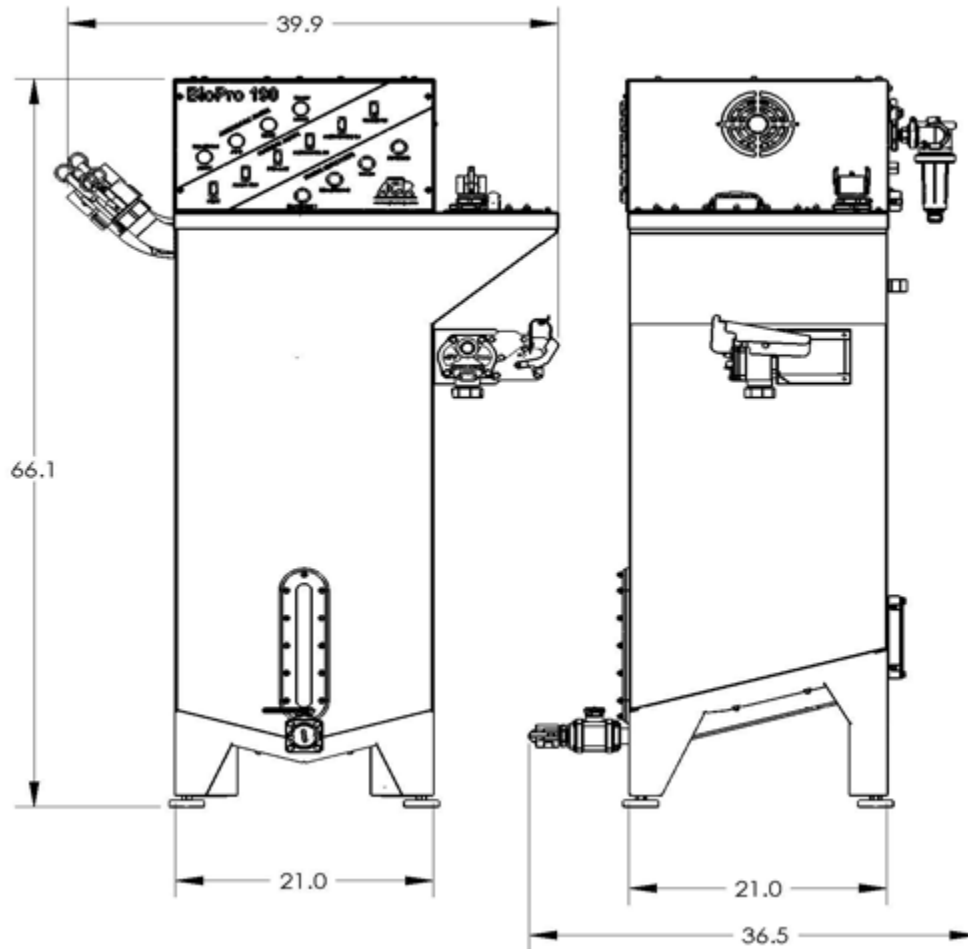


SPECIFICATIONS FOR BIOPRO 190

BioPro 190 Specifications



Processing Capacity

One 50 gallon batch every 48 hours.

Ingredients

50 gallons of vegetable oil (feedstock).

10 gallons methanol.

1520 grams (3.3 lbs) NaOH (lye) or 2350 grams (5.2 lbs) KOH (caustic potash).

190 mL (0.8 cups) sulfuric acid.

45 gallons fresh water

Power Requirements

Standard 115V AC power (15 amps max)

(50 Hz units available for outside the US)

Reaction Method

acid catalyzed esterification/base catalyzed transesterification

Wash Method

1. Three stage water wash
2. Spray wash.
3. Turbulent wash.
4. Turbulent wash followed by evaporative drying cycle

Operation

PLC controlled automated mode, with switch actuated manual overrides.

Weight (crated)

455 lbs.