

EQUIPMENT LIST

Columbia Boiler Co model MPH-60 gas-fired steam boiler. S/N 155127, 2019, 15 psi max. operating pressure, equipped with Power Flame Inc. model CR2-G-20B burner, feed water tank, Columbia condenser, North Star water softener, 45 gallon Pro Chem chemical additive tank with PULSAtron pump.

Pre Heat Tank: 900 gallon AE 316 stainless steel vertical storage tank. 15 psi jacketed and insulated, 6' diameter X 5' straight side, dished top and bottom, center bottom outlet, on legs, CIP spray ball.

Stainless steel shell and tube inline preheater heat exchanger. 15 psi max. operating pressure.

8" x 60" stainless steel vertical cold trap tank.

Tincture Tank No. 1: 1,200 gallon AE 316 stainless steel vertical storage tank. 15 psi internal pressure rating, 6' diameter x 5'6" straight side, dished top and bottom, center bottom outlet, on legs, CIP spray ball.

Tincture Tank No. 2: 1,200 gallon AE 316 stainless steel vertical storage tank. 15 psi internal pressure rating. 6' diameter x 5'6" straight side, dished top and bottom, center bottom outlet, on legs, CIP spray ball.

Ethanol Tank: 1,300 gallon AE 316 stainless steel vertical storage tank. 15 psi jacketed and insulated, 6' diameter x 7' straight side, dished top and bottom, center bottom outlet, on legs, CIP spray ball.

Winterization Tank: 1,800 gallon AE 316 stainless steel vertical storage tank. 15 psi jacketed and insulated, 7' diameter x 8' straight side, dished top and bottom, center bottom outlet, on legs, CIP spray ball.

Grant Tank: 35 gallon AE 316 stainless steel vertical storage tank. Jacketed and insulated, 2' diameter x 2' straight side, dished top and bottom, center bottom outlet, on legs,

8" x 36" Strainrite Co. stainless steel sock filter. 150 psi internal pressure.

Tank 1: 450 gallon AE 316 stainless steel vertical mixing tank. Jacketed and insulated, dished top, cone bottom, center bottom outlet, on legs, explosion proof paddle style agitator.

Tank 2: 450 gallon AE 316 stainless steel vertical mixing tank. Jacketed and insulated, dished top, cone bottom, center bottom outlet, on legs, explosion proof paddle style agitator.

AE 100 cubic foot 1,500mm automatic filter press. (41) 1,500mm center feed gasketed recessed poly membrane filter plates, -20 °C minimum temperature, 316 stainless steel feed and return manifolds, plate shifter, belt discharge conveyor.

Thermaline 316 stainless steel plate heat exchanger. -40 °C minimum temperature.

(4) 8' x 36" Strainrite model SRVB-B2-2V-SO/BO stainless steel sock filters. 150 psi @ 300 °F.

(2) 8" x 30" Scott Laboratories 316L stainless steel vertical filters. 1 MPa @ 140 °C.

Scott Laboratories 304 stainless steel vertical filter. 6 MPa @ 140 °C.

(2) Flexicon bulk bag unloaders. S/N 92666, 4,000 lb. max. capacity, explosion proof electrics, screw feed discharge conveyors, Allen Bradley controls.

10 hp hydraulic power pack for filter press.

AE falling film evaporator system including falling film evaporator, steam heated tower and separator, and condenser. System separates the oil and removes the ethanol via falling film technology, operates under vacuum, keeping the temperature low to prevent product degradation. Independent C1D1 control integrated to main control system. System capable of processing 300 gallons per hour.

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Pot Still: 200 gallon AE stainless steel vertical mixing tank. 4' diameter x 3'6" straight side, dished top and bottom, on legs, center bottom outlet, jacketed and insulated, anchor style agitator with side and bottom sweep.

DeCarb Tank: 200 gallon AE stainless steel vertical mixing tank. 4' diameter x 3'6" straight side, dished top and bottom, center bottom outlet, jacketed and insulated, anchor style agitator with side and bottom sweep.

Ingersoll Rand model IRN100H-OF rotary screw air compressor. S/N MOX1001413, 100 hp, 155 psi discharge pressure, water cooled, with IR model D10201NA400 air dryer and receiving tank.

Chromalox model 8101-3480050 electric hot oil heater. S/N 11191079, 2019, 480 volts.

(5) Pope 6" 316L stainless steel wiped film molecular still systems with NPT feed inlets, RV110 two stage rotary vane vacuum pump, Labconco -105 °C glycol chiller, Poly Science model AD15R-40-A11B 316L stainless steel internal condenser with vapor port, 316L stainless steel variable speed drive, (3) positive displacement gear pumps, 316L stainless steel cold trap.

Pope 6" 316L stainless steel combination wiped film molecular still and wiped film evaporator system with NPT feed inlet, RV110 two stage rotary vane vacuum pump, Labconco -105 °C glycol chiller, Poly Science model AD15R-40-A11B 316L stainless steel internal condenser with vapor port, 316L stainless steel variable speed drive, (3) positive displacement gear pumps, 316L stainless steel cold traps.

Pope 6" 316L stainless steel wiped film evaporator with NPT feed inlet, RV110 two stage rotary vane vacuum pump, Labconco -105 °C glycol chiller, Poly Science model AD15R-40-A11B 316L stainless steel internal condenser with vapor port, 316L stainless steel variable speed drive, (3) positive displacement gear pumps, 316L stainless steel cold traps.

Doosan model OC-25E-E, 4,500 Lb. capacity LP fueled forklift. S/N FGADL-1790-01149, solid tires, side shifter, triple mast.

Crown stand up electric forklift.

Colorado mill equipment model HMS-VB-30 hammermill. S/N 1806216, 30/25 hp.

Flexicon dump hopper with screw conveyor feed system.

Flexicon bulk bag loader, 4,000 Lb. capacity.

Carrier model 62XV40-MME-JGJ-CF, 40 ton chiller. S/N 1620V02662, R410A refrigerant.

Carrier chiller.

(2) Carrier model 38MAQB36R-301 chillers.

Johnson Thermal Systems model JTS-U-ACM-16001A-4RW 4 compressor chiller. S/N JTS-1390-01, 2019, R410 refrigerant.

Johnson Thermal Systems model JTS-ACM-6001A-4WL 2 compressor chiller. S/N JTS-1390-02, 2019, R410 refrigerant.

Interquip 20" incline belt conveyor.

Carbon steel dust collector with rotary air lock and 25 hp centrifugal blower.

6,000 gallon DePlaatzen Industrie 316 stainless steel vertical pressure vessel, 2001, 65 psi FV @ 311 °F internal, insulated, dished top, flat bottom, 99' diameter x 192" straight side.