

NEW INVENTORY

COLUMNS

113105

Used Distillation Column, Vertical, 316L Stainless Steel material with 12 valve trays and packed. The top 12 trays were replaced with packing. 16'3" supports. Built in 2000.



99711

MFG. BY NOLTE & SONS (YORK OTTO PROCESS); BOTTOM 66" X 3'0"; MIDDLE 31" X 31'6"; TOP 66" X 3'0"; 15 HP DRIVE; (44) ROTATING MIXING CHAMBERS; SHELL THICKNESS .250; HEAD THICKNESS .250;



112918

"As Is, Where Is" Used Trayed Column.
Mfg. by Curtis Kelly Inc. in 2013.
On skirt support. .4378" wall thickness.



95579

MFG. BY CURTIS KELLY IN 1997;
1/2" TO 3/4" WALL THICKNESS



112031

Unused Tricor Metals 304L Stainless Steel Trayed Column. Trays 1 thru 9 @ 12" spacing; Trays 9 thru 13 @ 15" spacing. Tray 13 thru 14 @ 30" spacing. Trays 14 thru 24 @ 24" spacing. 3/8" Shell and bottom wall thickness. 5/16" top wall thickness.



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NEW INVENTORY

EXCHANGERS

106046

UNUSED;
MFG. BY ALFA LAVAL
IN 2008;
MODEL M15-MFG;
(266) .50 MM PLATES;
INLET NOZZLES: (2)6";
OUTLET NOZZLES (2)6";



111842

Unused 415 square foot Alfa Laval
plate exchanger,
Model M15-MFG; Built in 2008; Fluid
group 1 inlet S1 outlet T1 volume
220 liters; Fluid group 2 inlet T4
outlet S4 volume 220 liters; (178)
316 Stainless Steel plates 0.5mm
plate thickness EPDM (clip on)
gasket material.



100455

MFG. BY ALFA LAVAL (FRANCE); BUILT
IN 1985; MODEL I-H; 69.7 SQ. METER;
CHANNEL "A" & "B" 5 BAR @ 109 DEG.
C.; CHANNEL "A" SPACING .551";
CHANNEL "B" SPACING .551"; CYLINDER
HEIGHT 1800 MM; CYLINDER DIAMETER
945 MM; CHANNEL "A" VOLUME 610
LITERS; CHANNEL "B" VOLUME 635
LITERS;



109786

MFG. BY ALFA LAVAL
IN 1991;
MODEL M30-FG; (381) .5mm
PLATES



102697

UNUSED;
MFG. BY APV IN 2008; MODEL
SR9-MI2;
PLATES 0.6 MM THICK;
PARAFLOW TYPE



102696

UNUSED; MFG. BY APV IN 2008;
MODEL #SR9-MI2; PARAFLOW
TYPE; PLATES 0.6 MM THICK



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NEW INVENTORY

GENERATORS

108895

BRUSHLESS SYNCHRONOUS GENERATOR; 3 PHASE; 60 HZ;
1800 RPM; POWERED BY NEWLY REBUILT TGM MODEL TMC
3000 STEAM TURBINE;
REBUILT BY TURBOCARE IN 2012;
UNUSED SINCE REBUILD; 600 PSI @ 750 DEG. F.;
6500 RPM OPERATING SPEED



106115

UNUSED; CONVERTEAM 10,400 KVA
SYNCHRONOUS AC GENERATORS; 4160
VOLTS; 60 HZ; 3 PHASE; BUILT IN 2012;
FRAME #A118W4



112030 VESSEL/REACTOR

Unused Hydrocracker Reactor. Fabricated in 2010, 2755.8
psi design pressure at 850 deg. F design temperature.
11'11.7" D X 56'7.6" T. 79'10.6" OAL. Fabricated from shell
SA336M, F22V material, nominal 8.62" wall. Heads SA542M,
TPD CI 4a, nominal 4.33" thick. Inside surfaces have TP309L
layer + minimum 0.118" thick TP317L weld overlay. Internals
available for an additional price.



COMPLETE PLANT 89885

GLYCOL; BUILT IN 1997; NATCO CANADA; WITH (2) 50 HP
PUMPS, EAGLE 6X4X13,
MODEL -A1COL, S/N A-9714251-1 & A-9714251-2; NATCO
CANADA, LTD; MAWP 73 PSI @ 149 DEG.
F, 503 KPA; 65 DEG. C.; MDMT -20 DEG. F. @ 73 PSI; -29
DEG. C. @ 503 KPA; CRN A-3512.3;
SHELL MATERIAL 516-70N; THICK 9.5MM, .375"; HEAD
MATERIAL 516-70N, THICK 8.7MM, .344";
CORROSION ALLOW 1.6MM .0625"



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NEW INVENTORY

DRYERS

104443

ROTARY COUNTER FLOW STEAM TUBE; 80,000#/HR;
SHELL RATING ATMOS @ 370 DEG. F; TUBE RATING
175 PSI @370 DEG. F; STEAM RATING 130 PSI; SHELL
304SS; TUBE 304SS; 104'-4" O.D. X SCH.10; PITCH 0
DEG TO 32 DEG; 46'-9" O.A.L.



109762

WYSSMOUNT TURBO-DRYER; WITH AN EXTERNAL CLOSED
LOOP HEATING SYSTEM, DISCHARGE ROTARY AIRLOCK
VALVE, RECIRCULATION FAN, MULTI-SCREW FEEDER,
TEMPERATURE CONTROL SYSTEM INCLUDING SENSORS
AND INSTRUMENTATION, INTERCONNECTING DUCTWORK



106635

EVAPORATOR

THIN FILM EVAPORATOR; BUILT IN 1995; SHELL 15FV @
400 DEG. F; JACKET 200 FV @ 400 DEG. F; ROTOR 316LSS;
DRIVE RATING 10 HP; 17'-8" OAL; LUG SUPPORTS



COOLING TOWER

112792

Used Evapco 1700 ton cooling tower. Model number EDX 214
1424. Induced draft crossflow. 304 Stainless basin and
galvanized casing. Built in 2002. Double stacked. Shipping
Dimensions: Top 22'L x 13'8"W x 9'5"H;
Bottom 22'L x 13'8"W x 9'5"H



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NEW INVENTORY

FILTERS

102507

50 CUBIC FOOT FILTER PRESS; 1200 MM
POLY FILTER PLATES; BUILT IN 1996;
MAX FEED PRESSURE 100 PSI; AIR
SUPPLY PRESSURE 100 PSI; HYDRAULIC
CLAMPING PRESSURE 3000 PSI; RELIEF
PRESSURE 3400 PSI; PRESSURE
TESTED TO 4900 PSI



105558

48" X 48" PERRIN FILTER PRESS,
POLYPROPYLENE RECESSED
PLATE, MANUFACTURED BY
PERRIN MODEL NUMBER 200-
S-48, SERIAL NUMBER 18366.
WITH (106) NON-GASKETED
RECESSED PLATES, (5) EYE,
CENTER FEED DESIGN, 2 3/4"
THICK, (17) OF THE PLATES ARE
OPEN DELIVERY, ALL PLATES ARE
MANUFACTURED BY LENSER.



111005

AUTOMATED NUTSCHE
(SIDE DISCHARGE);
BUILT IN 1997;
INCLUDES C-877 A
VENT FILTER; 30 SQ. FT.



108025

MFG. BY KLEIN; 2.3 METER BELT PRESS;
COMPLETE WITH CONTROLS AND
POLYMER FEED PUMP



103130

CENTRIFUGE/FILTER DRYER; HELICAL (NUTSCHE); JACKET
40 PSI @ 288 DEG. F; STAND MOUNTED; 15 HP MAIN
BOTTOM DRIVE AND 1 HP TILT DRIVE; CAKE CAPACITY 36L;
VESSEL VOL 125L; SIDE DISCHARGE



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NEW INVENTORY

PROCESS UNITS/LINES

109025

MOLECULAR SIEVE (SKIDDED DEHYDRATION SYSTEM); MFG. BY THERMAL KINETICS (SELF SUPPORTED MODULAR SYSTEM); THERMAL KINETICS ENGINEERING (TKE) ETHANOL DEHYDRATION SYSTEM IS DESIGNED TO PRODUCE DRY ETHANOL FOR THREE DIFFERENT OPERATING CONDITIONS. THE WET ETHANOL VAPOR STREAM CAN BE SUPPLIED AT 18, 42, AND 87 PSIA.



102974

EVS EDUCTOR & SCRUBBER SYSTEM; MFG. BY CEILCOTE AIR POLLUTION CONTROL; BUILT IN 2005; UNIT IS SKIDDED EXCEPT FOR THE CAUSTIC TANK; SYSTEM CONSISTS OF THE FOLLOWING EQUIPMENT: C-310 CAUSTIC SCRUBBER SUMP & PACKED TOWER; EDUCTOR; G-333/ G-333A CAUSTIC RECYCLE PUMPS; G-332 SPENT CAUSTIC PUMP; G-331 CAUSTIC INJECTION PUMP; T-305 CAUSTIC TANK; L-102 & L-102A BASKET STRAINER; L-103 & L-103A CARBON FILTER; L-104 & L-104A BASKET STRAINER; C-310 CAUSTIC SCRUBBER SUMP - MFG. BY PALMER TOOL; 50 PSI @ 535 DEG.



TANKS

106131

#4 SILO TANK (6-F); MFG. BY WALKER STAINLESS IN 2004; MODEL VSHT; 8'0" INSULATION WRAP O.D.; 33'10" OAL; CARBON STEEL OUTER SHEATHING MOC.



105637

MFG. BY TOURNAIRE;
1000 LITER



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NEW INVENTORY

109767

JACKETED MIXING TANK; MFG. WALKER STAINLESS IN 2000; PHILADELPHIA AGITATOR DRIVE; NOZZLES: TOP 18" MANWAY, (4)2", (4)3", 10"; SHELL (2)2" JACKET NOZZLES, 2"; BOTTOM 2", (2)2" JACKET NOZZLES; SHELL JACKET 37 5/8" (16 CHANNELS) SIDEWALL CHANNEL; BOTTOM HEAD DIMPLE JACKET



TANKS

109769

JACKETED MIXING TANK; MFG. BY FABRICON IN 2003; (9) TURNS OF 304SS 2" HALF PIPE COIL JACKET ON SHELL TANGENT TO TANGENT AND DIMPLE JACKET ON BOTTOM HEAD; ; (4) LEG SUPPORTS; (2) TOP MOUNTED LIFTING LUGS; (4) INTERNAL SIDE WALL BAFFLES; PHILADELPHIA AGITATOR DRIVE MODEL #3853M; 5 HP; 17.10 GEAR RATIO; 100 RPM OUTPUT SPEED; 1800/100 RPM; NOZZLES: TOP 1", (3)1.5", (2)2", (4)3", (2)4", (2)6", 8" AGITATOR, 18" MUELLER MANWAY MODEL #MC-8; SIDES (3)2"; BOTTOM (2)2", 2" WITH ACTUATED BALL VALVE; 4" WITH ACTUATED BALL VALVE; EXTERNAL STAINLESS STEEL INSULATION SHEATHING ON SHELL O.D. AND BOTTOM HEAD



106127

WHEY TANK #2 (20-T); MFG. BY WALKER STAINLESS IN 2006; 6'0" INSULATION WRAP O.D.; 37'3" OAL; MODEL VSHT; 304SS OUTER SHEATHING MOC; BOTTOM HEAD SUPPORTS; ; DOUBLE WALL WITH OUTER INSULATION SHEATHING; 60.75" WIDE X 57.5" HIGH X 22" DEEP ACLOVE FACEPLATE WITH EXTENSION; NOZZLES: SIDES 16"X 20" MANWAY, 10" MOTOR MOUNT .5", 1.25", 1.5", (3)3", (4)4", BOTTOM 4"; (2) TOP MOUNTED LIFTING LUGS



108947

CIP ACID TANK; MFG. BY A & B PROCESS SYSTEMS IN 2009; ON LEGS; 304L SANITARY SS WITH POLISHED INTERNAL FINISH; SOME SANITARY FITTINGS AND ONE INTERNAL SPRAY BALL; NOZZLES: TOP 1", (2)2", 4", 4" PAD FLANGE, 20" MANWAY; SHELL 1.5" TRI CLAMP, 3", 6"; BOTTOM 2", 4" TANK SPUD



108946

1-3% CAUSTIC CIP TANK; MFG. BY A & B PROCESS SYSTEMS IN 2009; ON LEGS; 304L SANITARY SS WITH POLISHED INTERNAL FINISH; SOME SANITARY FITTINGS; NOZZLES: TOP 1" PAD FLANGE, (2)2", 4", 4" PAD FLANGE, 20" MANWAY; SHELL 1.5" TRI CLAMP, 3", 6"; BOTTOM 2", 4" TANK SPUD



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