

**INCLUDES (4) 90,000 Gallon Bullet Tanks - Pfaudler Wiped Film Evaporator System - 8.21 MM BTU Hot Oil Heater - 10+ Distillation Columns - 25+ Shell & Tube Exchangers - Thermal Oxidizer System AND MUCH MORE**

### Boilers and Hot Oil Heaters

4965 USED 9,000,000 BTU/HR GAS FIRED VAPORIZER BOILER, 150 PSI @ 600 Deg F. 2918 Sq Ft total Heating Surface. Built by Riley Stoker 1970, S/N: 3601, NB# 2317. Unit comes with 10" x 140"H CS Column (#4966), 316-SS Centrifugal Pumps (#4967).



4969 USED THERMAL FLUID SYSTEMS HOT OIL BOILER, type KV 2.5/25, 8.21 MM BTU/hour, 800 GPM, rated 150 PSI @ 600 degrees F, 1123 sq. ft. with (2) 50 HP 230/460 volt Dean Circulation Pumps, Model RA1340, 3" x 4" x 8.5" impeller, pump Serial Nos. 167672 and 167673, boiler Serial No. 98-040-1, National Board No. 61, New 1998.



### Columns

- 4943 162" DIA X 164' 304SS HORTON CHICAGO BRIDGE & IRON TRAYCOLUMN, 25 PSI
- 4966 120" DIA X 126' 11" 316L SS PLANT CITY STEEL TRAY COLUMN, 60 PSI
- 4942 78" DIA X 87' CS GLITSCH PACKED COLUMN, 25 PSI
- 4941 72" DIA X 23' CS METAL FAB PACKED COLUMN, 90 PSI
- 4944 66" DIA X 51' CS RECO PACKED COLUMN, 25 PSI
- 4938 60" DIA X 28' 304SS NOLTE PACKED COLUMN, 253 PSI
- 4945 60" DIA X 67' CS RECO PACKED COLUMN, 25 PSI
- 4940 48" DIA X 68' 316SS NOLTE PACKED COLUMN, 90 PSI
- 4939 42" DIA X 15' 8" SS INDUSTRIAL PROCESS EQUIPMENT PRESSURE COLUMN, 275 PSI
- 4947 24' DIA X 45' 6" 316SS HEBLER PACKED COLUMN, 75 PSI

### Compressors

- 4968 610 CFM ATLAS COPCO OIL INJECTED ROTARY SCREW COMPRESSOR, MODEL GA-1110

### Evaporator System

4964 USED PFAUDLER MULTI-STAGE WIPED FILM EVAPORATOR SYSTEM. Includes (2) 51.2 Sq Ft Wiped Film Evaporators plus Tanks, Condensers, Pumps, Instrumentation and piping. Designed to process 3592 lbs/hr (88.4% by weight Cumene Hydroperoxide Feed Stream. Manuals and drawings on file.



### Heat Exchangers, Reboilers and Condensers

- 4919 3,600 SQ. FT. CS HUGHES, HORIZONTAL EXCHANGER, 25/125#, NEW 1980
- 4925 2,870 SQ. FT. CS HUGHES, HORIZONTAL EXCHANGER, 515/50#, NEW 1980
- 4908 2,758 SQ. FT. CS MANNING & LEWIS HORIZONTAL EXCHANGER, 125/256#, NEW 1993
- 4905 2,383 SQ. FT. 321 SS ENERGY, HORIZONTAL EXCHANGER 253/281 #, NEW 1980
- 4906 2,300 SQ. FT. 316LSS ENERGY, HORIZONTAL EXCHANGER 253/281 #, NEW 1980
- 4922 1,900 SQ. FT. 304 SS VULCAN, HORIZONTAL EXCHANGER, 25/125#, NEW 1980
- 4920 1,536 SQ. FT. CS ENERGY, VERTICAL EXCHANGER, 515/25&15#, NEW 1981
- 4907 1,435 SQ. FT. CS ENERGY HORIZONTAL EXCHANGER, 300/253 #, NEW 1981
- 4911 1,388 SQ. FT. 304 SS ATLAS, HORIZONTAL EXCHANGER, 301/266#, NEW 1996
- 4912 1,388 SQ. FT. SA240/T321 SS ATLAS, HORIZONTAL EXCHANGER, 288/266#, NEW 1996
- 4915 1,170 SQ. FT. CS HUGHES-ANDERSON, VERTICAL EXCHANGER, 175/310#, NEW 1980
- 4923 1,000 SQ. FT. CS ENERGY, HORIZONTAL EXCHANGER, 125/25&15#, NEW 1981
- 4910 811 SQ. FT. 240 SS SOUTHERN HEAT, HORIZONTAL EXCHANGER, 300/515#, NEW 1991
- 4904 735 SQ. FT. 304 SS ATLAS HORIZONTAL EXCHANGER, 333/300 #, NEW 1996
- 4914 621 SQ. FT. 304 SS ATLAS INDUSTRIAL, HORIZONTAL EXCHANGER, 150/275#, NEW 1998
- 4926 540 SQ. FT. CS ENERGY, HORIZONTAL EXCHANGER, 25/125#, NEW 1980
- 4924 537 SQ. FT. 304L SS ENERGY, HORIZONTAL EXCHANGER, 125/95#, NEW 1981
- 4909 455 SQ. FT. 304 SS BROWN FINETUBE VERTICAL EXCHANGER, 150/150#, NEW 1991
- 4932 427 SQ. FT. CS HEBELER, VERTICAL EXCHANGER, 125/75#, NEW 1993
- 4933 339 SQ. FT. 304L SS HEBELER, VERTICAL EXCHANGER, 75/75#, NEW 1993
- 4917 318 SQ. FT. CS ENERGY, VERTICAL EXCHANGER, 515/90#, NEW 1981
- 4918 318 SQ. FT. CS ENERGY, VERTICAL EXCHANGER, 515/25&15#, NEW 1981
- 4928 240 SQ. FT. CS ATLAS, HORIZONTAL EXCHANGER, 573/180#, NEW 1996
- 4927 201 SQ. FT. CS GRISCOM-RUSSEL, U-TUBE, 500/1000#, NEW 1961
- 4921 183 SQ. FT. CS HUGHES, VERTICAL EXCHANGER, 90/25#, NEW 1980
- 4930 125 SQ. FT. CS WELDON, VERTICAL EXCHANGER, 75/277#, NEW 1981
- 4929 106 SQ. FT. CS NITRAM, VERTICAL EXCHANGER, 25/125#, NEW 1995
- 4916 48 SQ. FT. CS ENERGY, VERTICAL EXCHANGER, 90/297#, NEW 1980

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### Pressure Vessels and Reactors

4934, 4935 USED APPROX. 80,000 GALLON, 304-SS, REACTOR VESSEL. Rated 253 PSI @ 805 deg F. 13' 6" dia x 57' 6" Straight Side (77' OAL), Dished top & bottom, skirt mount (Catalyst-Activated Alumina). 10" inlet & outlet, 24" Manway. Built by Nooter Corp., 1980. (Qty, 2)



4900, 4901, 4902 and 4903 90,000 GALLON HORIZONTAL CARBON STEEL PRESSURE TANK. Rated 250 PSI @ 100 deg F. 130.25' ID x 134' 3" long. Thickness: Shell-.9375"; Heads-.625" U-Stamp. Mounted on (20 welded saddles. Mfg by Riley-Beard, Built 1981. Ser# 173962-01-1, NB# 53101. U-Stamp. Previous usage: Anhydrous Ammonia. Very Good condition. Drawing & U-1 on file. (Qty 4)



- 4953 9,500 GAL HORIZONTAL CRYO CHEM STEEL PRESSURE TANK, 110PSI, 8' X 24'.
- 4955 4,750 GAL VERTICAL CRYO CHEM STEEL PRESSURE TANK, 175PSI, 6' X 21'
- 4954 2,000 GAL HORIZONTAL CRYO CHEM STEEL PRESSURE TANK, 48 PSI, 5' X 13'.
- 4951 700 GAL VERTICAL INDUSTRIAL PROCESS STEEL TANK, 300 PSI, 4' X 6' 9", NEW 1995
- 4948 564 GAL VERTICAL ALLEGHENY BOILER STEEL TANK, 75 PSI, 4' X 6', NEW 1993
- 4936 57 GAL VERTICAL SUPERIOR WELDING STEEL TANK, 183 PSI, 16" X 6'

### Scrubbers

4946 USED 304-SS SCRUBBER. 3' ID X 38' STRAIGHT SIDE. Mounted on 24' skirt (OAL - 63'). Rated 25 PSI @ 214 deg F. Built by Bi-Con Services, 2002. S/N: 459, NB# 459. Previous use: Ammonia Vent Scrubber. Weight: 14,500 lbs



### Systems

4970 USED AMMONIA RECOVERY SYSTEM. Originally designed to recover aqueous ammonia stream (with light organics) for reuse in the plant. System includes: Distillation Column; Ammonia Stripping Column; Ammonia Vent Scrubber; Ammonia Scrubber; Column Feed Interchanger; Overhead Condenser; Column Reboiler; Feed Water Holding Tank; Reflux Accumulator; Holding Tank; Light Organics Holding Tank; Condensate Tank; several pumps and instrumentation. Full description on file. Skid mounted. Built 1993.



### Tanks - Storage Tanks

- 4956 98,500 GAL VERTICAL 304SS TANK, 26' X 26', API-650 CODE (QTY, 2)
- 4961 46,000 GAL VERTICAL STEEL TANK, 20' X 20', API-650 CODE, NEW 1993
- 4958 35,500 GAL VERTICAL STEEL TANK, 17' X 21'
- 4949 30,560 GAL VERTICAL 304SS TANK, 17' X 18'
- 4959 20,000 GAL VERTICAL STEEL TANK, 12' X 24', API-650 CODE

### Thermal Oxidizer

4962 USED PACKAGED THERMAL OXIDIZER WASTE RECOVERY SYSTEM, Built 1992 by Callidus Technologies, S/N: 9173, NB# 2961. Designed to destroy 98+% of volatile organic compounds (VOC). Includes waste feed boiler and stack gas economizer. Max design temp - 1800 Deg F.



### Water Treatment

4963 USED WALKER SEWER WATER TREATMENT SYSTEM built 1988. With Media Sand Filter, Carbon Absorber and Rotating Biological Contactor. Includes spare unused Rotating Contactor.



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