

NOTE: There are THREE Deodorizer Systems available. All are the same and described below

Stainless Steel Deodorizer System - 3 available

Description: Complete Votator semi-continuous deodorizer system rated at 30,000 pounds/hour (325 MTPD). This deodorizer has a stainless steel shell with 6 stainless steel 304 trays including a Super Tray and Economizer Trays (heating and cooling entirely within the unit). Systems were built 2 years apart (1984, 1986, and 1988). Each Deodorizer system has 4 stage steam ejector system with a liquid ring vacuum pump and distillate recovery scrubber system. Heat is by high pressure Geka self-contained automatic boiler – available as an option for additional cost. Had an Allen Bradley plc for all automatic control - ladder logic program furnished but plc and I/O not included.

These Deodorizers are still installed and were in operation until January 2010. They can be inspected at any time with an appointment.

Featured components:

Item C690. Deodorizer Vessel

Deodorizer vessel for deodorizer system. Shell 304ss, trays 304ss. Size approx 10.5 ft dia x 53 ft OAH. Vessel is 44 ft tall. Comes apart in 4 sections (bolted) approx 12,000 pounds each + leg section. ASME MAWP 15 psi/full vacuum at 300F. Total empty weight 49,500 pounds. Built by Chemtron Votator.



C527. Vacuum System

Nash-Kinema 4 stage steam ejector with liquid ring vacuum pump. The vacuum pump was rebuilt 2008, model TC7 stainless steel, test 94DO095, POS std. Capable of pulling 3mm Hg vacuum. Includes 4 ejectors, 2 condensers, and 1 liquid ring vacuum pump. Design motive pressure 175 psig. Stage #1 is 36x30, #2 is 30x24, #3 is 6L, and #4 is 2L. Total steam usage is 4,630 #/hr to pull 890#/hr volatiles from system.

C526. Citric Additive System

Citric Acid Additive System for deodorizers. Includes 3 ft dia x 2 ft tall ss mix tanks. Gravity fills graduated cylinder and is sucked into vacuum vessel.

C528. Scrubber

Scrubber ss304 with spray nozzles for distillation and demister pads. Includes stainless steel distillate cooler heat exchanger on bottom. Approx size is 8.5 ft dia x 37 ft OAH. Height with HEx removed is 32 ft. ASME designed for full vacuum. Built in 1981 by Chemtron Votator. Physical weight approx 23,000 pounds + heat exchanger.



C525. Centrifugal Pump

Deodorizer discharge pump. Goulds 3196MT
1-1/2 x 3-13, designed for 90 gpm at 100 ft
hd. Note – this pump is missing



C529. Stripping Steam Manifold

Stripping steam manifold.

C530. Measuring Tank

Measuring tank for deodorizer systems. Size approx 6
ft dia x 12 ft tall for capacity of 2,500 gallons.



C520. Shell Drain Tank

Stainless steel Deodorizer shell drain tank and pump.
Size approx 2 ft x 3 ft tall for capacity approx 75 gallons.
ASME MAWP 170 psg at 300F. Built 1984.

Optional Equipment (additional cost):

Item C522. High Pressure Steam Boiler

GEKA high pressure recirculating steam boiler, type NUK
HP2550. Rated at 10 MMBTU/hr, built 1992 - engineered by
DeSmet. Serial numbers 400016 thru 400019. ASME,
MAWP 1380 psi at 585F, normal operating pressure is 1100
PSI. Fired with natural gas or propane. Top down firing. All
automatic, closed loop system - requires no operator.

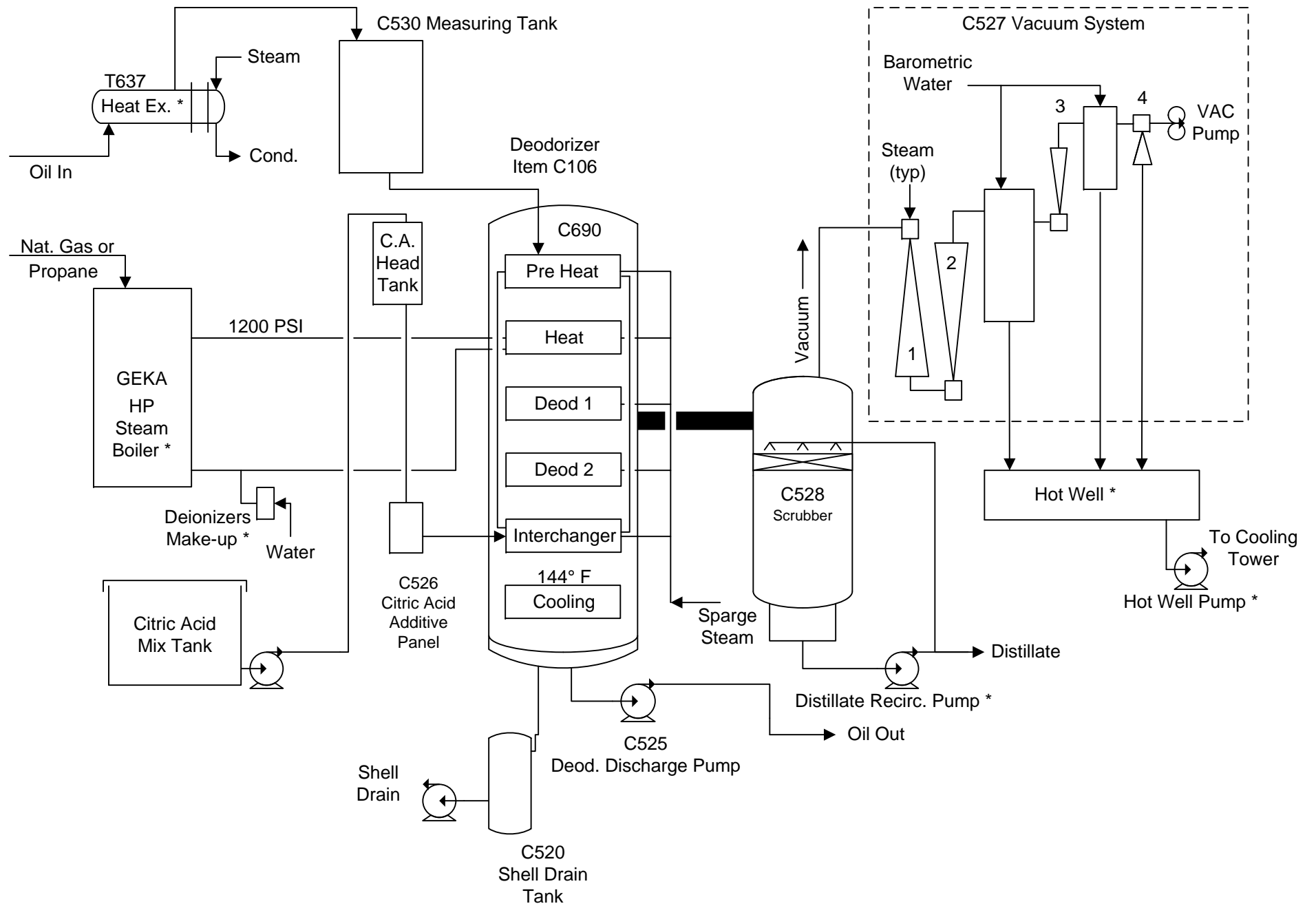


Item T637. Heat Exchanger

Doyle & Roth Stainless steel shell & tube heat
exchanger. Built 1992. Approx size 10 inch dia x
8 ft long. ASME NB# 16051, 16052, 16053. Serial
no. J7042-1, J7042-2, J7042-3. MAWP shell/tube
150 psi at 400F. Drawing #B9064, PO 31941. Oil
on tube side, steam on shell side.



Terms: All equipment is sold As Is Where Is, Subject to prior sale and availability. The equipment could be withdrawn from the market at any time with no prior notice. All quotes are in US dollars unless specifically noted otherwise. Quotes are good for 30 days. Description of the equipment - especially those relating to capacity, size, or condition - are stated as clearly as possible for information to the buyer or observer. The descriptions and representations cannot be taken as accurate. The buyer has the sole responsibility to determine size, capacity, capability, suitability, condition, or any other attribute pertaining to the piece of equipment represented or purchased. The assets are sold "As Is", "Where Is" and "with all faults" and except as explicitly stated in the Bill of Sale. All warranties, including, without limitation, the warranties of merchantability, quality, and fitness for a particular purpose are hereby expressly excluded. Seller makes no representations or warranties as to design, condition, capacity, performance, or any other aspect of the asset.



Items with * are not included but can be added as an option


SOLUTIONS 4
 Manufacturing

s4mEquipment.com
 217-245-2919

C106 Stainless Steel Deodorizer (3 Available)
 Located in Champaign, Illinois