

Caprolactam manufacturing plant /Planta productora de caprolactama
Plant closure /Por cierre de planta

Unprecedented public auction in Mexico of the chemical industry

Subasta pública sin precedente en México de la industria Química



July 10th / El 10 de julio, 2024

Mexico. 11 am CDT

Available inspections July 8 and 9, 2024 /Inspección disponible el 8 y 9 de julio, 2024



Complete industrial plant for chemical process, with capacity to produce 85,000 tons/year of Caprolactam; is a Dutch States Mines (DMS now Fibrant) technology, licensed to Stamicarbon b.v. with engineering by A.G. McKee. McKee. All assets are in stainless steel grade 304, 304L, 316, 316L; of different brands and capacities. The equipment included in this process are:

- 5 liquid/liquid extraction columns of the rotating plate type
- 3 distillation and/or evaporation columns: 1 of the columns works under vacuum with 2 Nash pumps and a condenser, 2 columns work with positive pressure; Includes 3 kettles.
- 9 Ion exchange columns (anionic/cationic)

Planta para producir 85,000 toneladas/año de caprolactama. Tecnología holandesa Dutch States Mines (DMS ahora Fibrant), con licencia de Stamicarbon B.V. e ingeniería de A.G. McKee. Todos los activos son de acero inoxidable 304, 304L, 316 y 316L. Destacan entre otros:

- 5 Columnas de extracción líquido/líquido, platos rotatorios
- 3 Columnas de destilación o evaporación: una con 2 bombas Nash de vacío y condensador, 2 columnas trabajan con presión positiva, incluyen 3 hervidores.
- 9 Columnas de intercambio iónico (aniónico/catiónico)



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- 3 Benzene distillation columns (one Bayonet type with level transmitter and integrated evaporator; one with 6 plates and embedded kettle; one is packed with Rasching rings, Bayonet type reboiler)
- 1 **Carrier** refrigeration Chiller
- 1 Caprolactam Vacuum Distillation System with 5 separators of different capacities each
- 1 Oximation System with 5 stainless steel reactors with turbine type stirrer, 1 of them with internal coil, 2 Ammonium Sulfate Organic Stream Separator
- 2 Bekman Retrofit System: Each with Stainless Steel Reactor Tank with Diffuser Mixer, 2 Coolers, 2 Vertical 4-Step Pumps, 2 Cooler Feed Pumps; 1 Shared Storage Tank for the 2 Systems
- 1 Hydrogenation System: It has 2 Reactors with Agitation, and 3 Catalyst Separators. With 19 Plates each Separator.
- 9 Coolers
- 22 Condensers

- 3 Columnas de destilación de benceno, una tipo bayoneta con transmisor de nivel y evaporador integrado; otra cuenta con 6 platos y hervidor; otra empacada con anillos Rasching y rehervidor tipo bayoneta
- Enfriador **Carrier**
- Sistema de destilación de caprolactama, a vacío, con 5 separadores.
- Sistema de oximación: 5 reactores con agitador tipo turbina, uno de ellos con serpentín interno, 2 para sulfato de amonio.
- 2 Sistemas para rearreglo de Beckman, cada uno con: reactor con mezclador tipo difusor; 4 enfriadores, 2 por sistema; 2 bombas verticales de 4 pasos, 2 bombas para alimentar los enfriadores; tanque de almacenamiento compartido para los 2 sistemas
- Sistema de hidrogenación: 2 reactores con agitación y 3 separadores de catalizador, con 19 platos cada uno.
- 9 Enfriadores
- 22 Condensadores





- 4 Heaters / Evaporators
- 3 Heat Exchangers
- **Grove** crane, 40 tons
- Rail Tractor, **Trackmobile**
- Rail Tractor, **Railking**
- 8 stainless steel storage tanks (7 vertical, 1 horizontal), different sizes and capacities
- 2 vertical storage tanks in carbon steel
- Approximately 50 centrifugal pumps of different brands and capacities (3, 5, 7.5, 10, 15, 15, 20, 25, 75 HP)
- General feeding piping, stainless steel and carbon steel valves in different sizes, flow meters, ejectors, mixers, among others.



- 4 Calentadores / evaporadores
- 3 Intercambiadores de calor
- Grúa **Grove**, 40 tons
- Tractor ferroviario, **Trackmobile**
- Tractor ferroviario, **Railking**
- 8 Tanques de almacenamiento, 7 verticales, un horizontal
- 2 Tanques verticales para almacenamiento, de acero al carbón
- Aproximadamente 50 bombas centrífugas: 3, 5, 7.5, 10, 15, 20, 25 y 75 hp
- Tubería de alimentación general, válvulas de acero inoxidable y acero al carbón, medidores de flujo, eyectores, mezcladores.



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Lot location /Ubicación de lotes
Villagrán - Salamanca Km. 306, 36700
Salamanca, Guanajuato, Mexico

Available inspections
/Available inspections
July 8 and 9, 2024
1 y 2 de julio, 2024

Payments /Métodos de Pago
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If you have equipment, machinery or unproductive assets

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