

CONDENSATE STRIPPING



Features

- 95+% methanol removal
- 99+% TRS removal
- Rectification to 80+% methanol concentration
- Methanol liquefaction available
- No red oil decanting required
- Proven to meet all governmental regulations
- Installations worldwide

BENEFITS

Steam stripping can play an integral part in allowing a mill to both meet its HAP (hazardous air pollutant) reduction requirements and provide a source of clean hot water to lower fresh water consumption. Steam stripping is the most proven and reliable means to treat process condensates.

Due to condensate stripping being steam intensive, efficient heat recovery is essential. The heat can be recovered in the form of process water heating, black liquor heating, black liquor evaporation, or low pressure steam generation. The proper selection of heat recovery may result in little or no net increase in steam usage at your installation.

Lundberg pioneered many innovations to remain the leading supplier of condensate stripping technology. Working with our clients we configure the system to meet the project objectives with the least impact on the overall mill performance and economy.

CONTACT

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LUNDBERG'S AREAS OF EXPERTISE

BY-PRODUCT RECOVERY

- Tall Oil Soap
- Turpentine
- Acidulation
- Condensing
- Storage
- Storage

CHEMICAL HANDLING AND STORAGE

- Sulfur
- Caustic
- Acids
- Sulfur Dioxide
- Storage
- Vaporization

CHEMICAL GENERATION

- Sulfur Dioxide
- NSSC Pulping Liquor
- Sulfite/Bisulfite Pulping Liquor

EVAPORATORS FOR PULPING LIQUOR

- Multiple-Effect
- Strong Liquor Concentrators
- Pre-Evaporation
- Falling Film
- Vapor Recompression
- Crystallizer
- REX Technology

FOAM CONTROL

- Washer Filtrate
- Foambreaker for Light Foam
- Soap Concentrator for Heavy Foam and Soap
- Weak Liquor Storage
- Soap Skimming

HEAT RECOVERY AND UTILIZATION

- Blow Heat
- Pre-Evaporation
- Digester Heaters and Circulation
- Direct Contact Gas Coolers
- TMP
- Heavy Liquor Heaters
- Waste Heat Boilers
- Condensers
- Hot Water
- Systems
- Steam Generation

LUNDBERG CUSTOM EQUIPMENT

- Pressure/Vacuum Relief Valves (PVRV)
- Flame Arresters
- Jacketed Valves
- Lundberg Soap Separator/Soap Skimming Rake
- Heat Exchangers
- SO₂ Gas Fans
- Heavy Liquor Heaters

POLLUTION CONTROL

- Black Liquor Oxidation
- Condensate Stripping
- Noncondensable Gas
- Direct Fired Oxidizer (DFO)
- Plywood Industry
- Regenerative Thermal Oxidizer (RTO)
- Wet Electrostatic Precipitator (ESP)
- Weak
- Steam
- TRS
- Collection
- Strong
- Heat Exchangers
- Strong
- Air
- MeOH / BOD
- Incineration
- Dilute
- Steam Tunnel Condensate Evaporator
- Regenerative Catalytic Oxidizer (RCO)
- COD
- Scrubbers
- SOG

SPECIAL SYSTEMS

- White Liquor Oxidation
- Sulfur Addition – Kraft Liquor
- Reausticizing – White Liquor
- Ash Treatment Systems – Saltcake
- Air
- Molecular Oxygen

TURNKEY

- Engineering
- Complete EPC