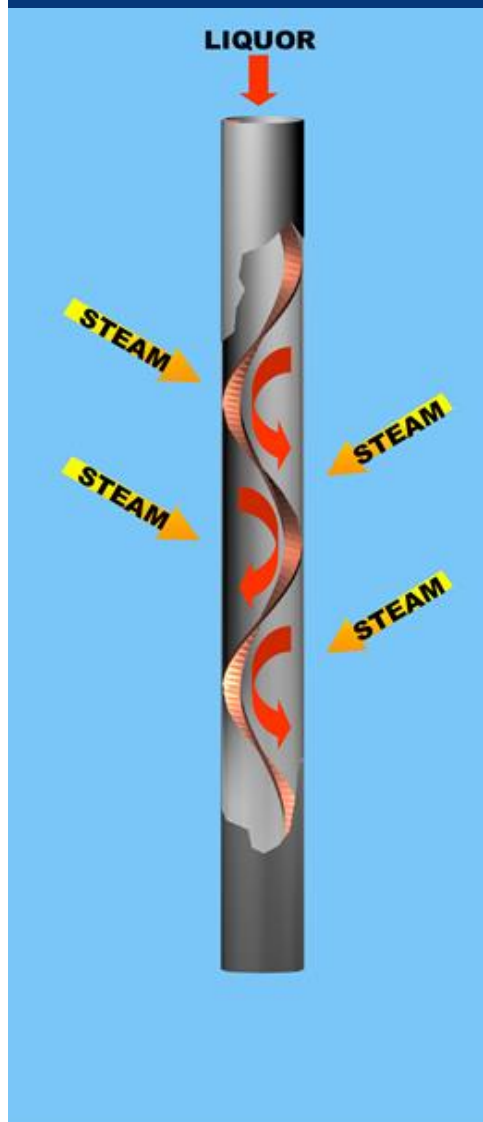


REX TECHNOLOGY



FEATURES

- Reduces horsepower consumption by as much as 45 percent
- Improves resistance to fouling and scaling
- Provides superior run time between cleanings
- Still allows a hydroblast wand to pass down the center of the tube for the entire length
- Can easily be retrofitted into existing flooded forced circulation crystallizers and heavy liquor heaters

BENEFITS

Every Lundberg flooded forced circulation crystallizer, concentrator, and heavy liquor heater can be provided with the Reynolds Enhanced Heat Transfer (REX) technology. The REX technology consists of installing spiral inserts within each tube of the heat exchanger. The helical insert imparts a swirl to the liquor at lower velocities, thereby increasing shear at the tube wall and increasing the heat transfer rate in viscous fluids.

The end result of the REX technology is reduced recirculation flow across the flooded heat exchanger that in turn greatly reduces operating horsepower and cost.

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

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