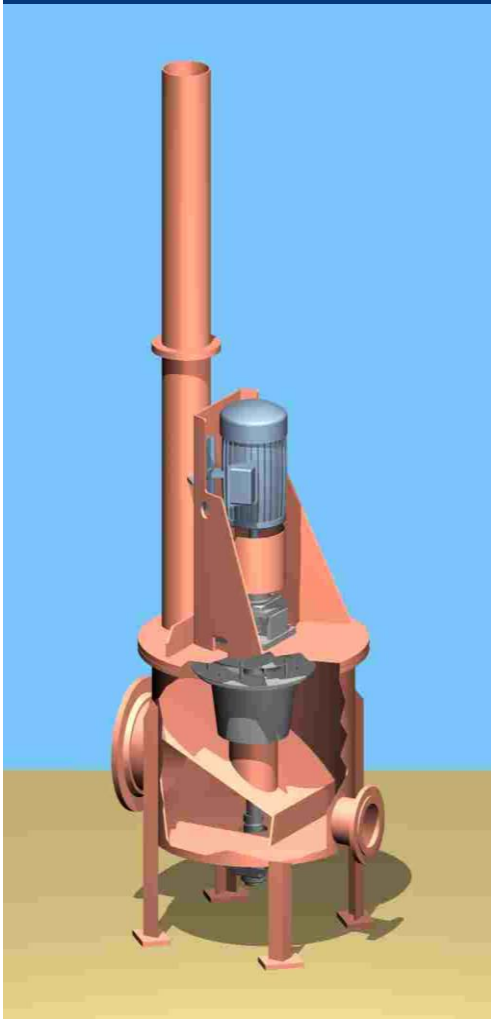


SOAP CONCENTRATOR



FEATURES

- Typical operating rates of 150 pounds per minute of light soap
- Maximum surge throughput of 300 pounds per minute
- Discharge density averages five to eight pounds per gallon
- Non-cantilever shaft design

BENEFITS

Separation of tall oil soap from black liquor frequently produces a soap density of one to three pounds per gallon. Lundberg's Soap Concentrator can increase soap density to as high as eight pounds per gallon, resulting in reduced soap storage requirements and improved liquor drainage. Typical installations include weak black liquor oxidation systems, weak black liquor storage, foam control systems in washing plants, evaporator skim tanks, and in soap processing systems.

The Concentrator is one of two mechanical foam breakers that Lundberg's engineers have developed for foam control systems. The Concentrator has been designed to operate on light soap common to black liquor from pulping resinous woods. The Concentrator is a disc bowl centrifuge, which deaerates the light soap by breaking down the highly viscous small soap bubbles.

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
- Steam Generation
- Systems

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