



“Red Head” Stills - RHS Series

SOLVENT RECOVERY STILL

The “Red Head” RHS Still is a continuous process solvent recovery still controlled by a PLC. The RHS converts hazardous waste into 99.5% pure reusable solvent. RHS Solvent Recovery Systems successfully reduce waste and increase profits.

ECONOMICAL - RHS Solvent Recovery Systems reduce solvent waste, reduce the amount of new solvent you purchase, require minimal labor for operation, and reclaim your solvent at typically 2 cents per gallon. Your return on investment is normally less than 1 year.

EFFICIENT - RHS Solvent Recovery Systems distill virtually any solvent. The PLC controls insure that operating set points are consistent. Thermal oil is circulated for efficient energy use and temperature set points range between 100° to 550° F. The distillation vessel is designed to eliminate carry-over and reclaim pure solvent. Vacuum operation during distillation reduces energy consumption by requiring less heat to accomplish distillation.

PURE RECOVERY - With RHS, you control the quality of your reclaimed solvent. When you contract with an outside solvent reclaiming service, “your” solvent might be mixed with other solvents and returned to you in a “blend” of questionable quality. With an RHS System in-house, you reclaim “your” solvent.



Image of an RHS-30



Recycling - Economical & Responsible

CB Mills is dedicated to manufacturing machines that are revenue producers for your business and are good for our environment. RHS Solvent Recovery Stills do both. Your return on investment is fast, you reduce your solvent costs, you reduce your waste disposal expenses, and recycling is environmentally friendly.



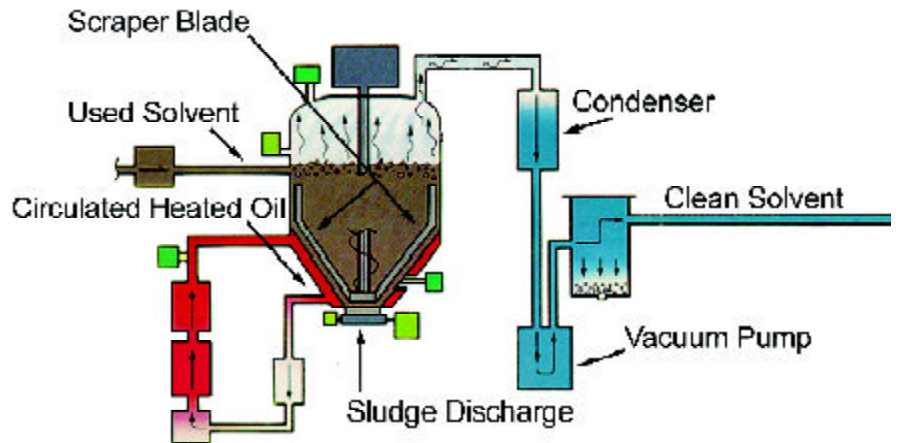
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Key Features and Process Summary

RHS - KEY FEATURES:

- Reduces hazardous wastes; therefore, reducing disposal expenses.
- Sludge discharge can be controlled either manually or automatically.
- Typical return on investment is less than a year and Kw consumption is typically 2 cents per gallon.
- The RHS comes standard with auto cool-down to cool the sludge for safe discharge.
- Thermal oil circulation heating optimizes temperature control and heater efficiency.
- The RHS comes standard with stairs and platform.
- Explosion-proof controls are pre-wired and mounted on the RHS platform.
- The RHS comes standard with an explosion-proof light; allowing the operator to view the distillation process.
- RHS Stills have scraper blades to prevent sludge buildup on the distillation vessel walls and increase heat transfer efficiency.
- Scraper blades can be replaced without entering the distillation vessel.
- Utilities: air, water, and power are easily connected to the RHS platform. No remote wiring is required.
- ASME constructed and labeled.

HOW IT WORKS:



The Recovery Process for an RHS

RHS Solvent Recovery Stills are evaporative distillation stills. The waste solvent automatically enters the distillation vessel utilizing the standard vacuum pump provided with the RHS Solvent Recovery Still. The heated thermal oil recirculates in the distillation vessel jacket. The solvent sludge is heated to a programmed temperature to create vapor. The solvent vapor exits the RHS and travels through a condenser. Clean, condensed solvent exits to a storage vessel ready for reuse. This entire process is controlled by a PLC.

Contact us!



CB Mills - Chicago Boiler
1300 Northwestern Ave.
Gurnee, IL. 60031

Phone: 847-662-4000 sales@cbmills.com
Fax: 847-662-4003 www.cbmills.com

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WE CAN CUSTOM DESIGN YOUR SYSTEM

Tell us your application requirements. We will design and manufacture an RHS System to your specifications. Starting from the 30-gallon capacity, we can scale up to 750-gallons. We also customize the programs for the Allen-Bradley PLC and Panels, to comply with your automation needs.