

Rocket Technology System

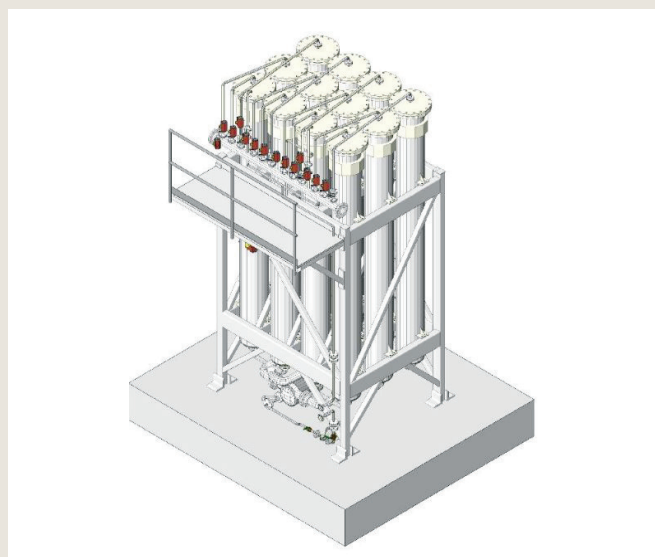
A Superior Polishing Solution for Re-Refining

Description

Evonik's patented Rocket technology polishing system provides important advantages over Fuller's earth/clay and other bauxite-based filtration solutions. Simpler, more efficient and with minimal disposal concerns, Rocket technology delivers superior performance with less risk.

- **Higher performance.** Innovative fluid dynamics deliver higher performance than conventional activated bauxite based polishing systems.
- **Long media life.** The Rocket system permits hundreds of in-situ bauxite reactivation cycles without loss of quality.
- **Non-hazardous disposal.** Once fully saturated, bauxite media can be disposed of as dry, non-hazardous waste, eliminating the disposal liabilities of Fuller's earth/clay.
- **Automated control.** Fully automated, computerized controls minimize operator inputs and optimize all parameters during the polishing and combustion cycles.
- **Modular and scalable.** Rocket technology is modular and expandable to meet the needs of quality and through-put, simplifying construction, transportation and installation.
- **Polish with Purocel RI-PSD Opt.** Evonik's premium activated bauxite product is ideal for initial charge and for reloads of your Rocket system.

Application



- By using these larger columns, the Rocket is able to "re-activate" bauxite more efficiently to increase life of the filtration media.
- Re-refined oil can be used as base lube or as high quality fuel for marine engines, power generation or boilers.



The Rocket's multi-column configuration

Performance

A flexible polishing system

Evonik's Rocket technology polishing systems feature multi-column filters loaded with activated bauxite to re-refine oil either in series (multi-pass) or in parallel depending on the product quality required. Feed oil is pumped through the columns during polishing, resulting in a product that is low in odor, colorless or improved in color, and contains reduced metals and sulfur.

The entire modular system is skid-mounted and can be configured as a single, dual, triple or quad bank.

High-efficiency reactivation

The Rocket's bauxite media can be reactivated hundreds of times via controlled combustion of impurities and residual oil. This resulting long media life keeps costs low and productivity high for your re-refining operations.

Full after sales support

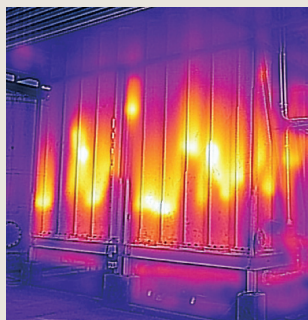
Rocket control systems are fully backed by Evonik's sales and technical services teams, who provide on-site training, commissioning, start-ups and process optimization.

Enhance your oil.

Improve your polishing performance and reduce risk with the proprietary & patented Rocket technology polishing system from Evonik.



Activated Bauxite - Purocel RI PSD Opt



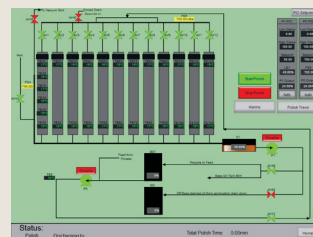
Infrared images of combustion zone during reactivation



Feed and Re-refined high quality oil



Top view of automated Rocket system



PLC control panel of Rocket system

Disclaimer

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