

CATALYST LOADING METHOD

Abstract

A reformer tube processing and filling system is provided for ensuring uniformity of reformer tube flow rates and reactivity. The disclosed invention provides a system for detecting and removing tube obstructions, as well as an automated process for verifying the flow rate for each tube and identifying tubes with abnormal flow rates to remove a source of human error and conserve labor costs. An automated tube filling system provides a calibrated fill mechanism coordinated with a calibrated loading rope withdrawal mechanism to ensure loading consistency. A lack of vibrating parts ensures a low dust count, and what little dust is present is removed via a built-in vacuum outlet in the loader.

[FIG. 1]