

Steam Generators for Rail Tank Car Heating



RAILCAR HEATING

Certain liquid products thicken during rail transportation, particularly when exposed to low temperatures. Our rail tank heating equipment systems provide a cost-effective solution to ensure the safe and efficient unloading of these products.

- Oil
- Caustic soda
- Corn syrup
- Molasses
- Tallow
- Many others

The recommended method by railcar providers for this process is to use a low pressure steam generator. Sioux has been designing and building low pressure steam generators since 1939. Sioux units are rugged, compact, and easy to operate. Sioux offers many different mounting options along with the capability for customization upon request.



STEAM-FLO STEAM GENERATOR FOR THE RAIL INDUSTRY

The Steam-Flo® generator offers several advantages over other systems:

- Models can produce up to 3,450 lbs of steam per hour with the ability to heat multiple cars at a time, thereby reducing heating time.
- Choose between portable (trailer) or stationary mounting, giving you increased flexibility.
- Available accessories increase the performance and efficiency of the Steam-Flo® tank car heating steam generator.



ACCESSORIES

Condensate Return System



The Sioux Condensate Return System is a portable accessory that turns the standard Steam-Flo® steam generator into a closed-loop system. By collecting and recycling the condensate and water used during steam heating, the Condensate Return System:

- Recycles the water, almost eliminating the amount of water needed to refill portable tanks.
- Increases system efficiency
- Prevents condensate from creating mud or ice under the railcar
- Reduces scale buildup inside the steam generator

Air Churn



The Sioux Air Churn injects large burst of air into rail cars to agitate viscous materials. This small, lightweight unit operates off 115V power. Rail operators can use the Air Churn alongside the Sioux Steam-Flo® generator to reduce heating time. Features of the Air Churn include:

- 35-foot cord with GFCI plug
- Adjustable timer which allows the user to change cycle time and pulse time to fit the requirements of the railcar product
- Pulsing solenoid valve rated for millions of cycles
- Weather resistant enclosure to protect the control circuit, pulsing valve, start/reset switch, and timer

WHY CHOOSE SIOUX?

At Sioux Corporation, we design and manufacture premium industrial rail tank heating systems to address rail tank car heating needs. Contact us for a quote on our Steam-Flo® steam generator.



SIOUX CORPORATION

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