

## Sioux Condensate Return System

### Reduce Water Usage

Sioux Steam-Flo Steam Generators are commonly used for heating rail tank cars. Sioux offers a portable Condensate Return System to be connected to our trailer or stationary mounted Steam-Flo Steam Generators during the rail tank car heating process. The system captures and recycles all the condensate/water to create a closed-loop system.

- Increase Overall System Efficiency
- Save Time and Water - Refilling Water Tank Will No Longer Be Necessary for Portable Applications
- Prevent Collected Condensate from Creating Mud or Ice
- Drastically Reduce Scale Buildup Inside the Steam Generator

To operate the system, a manifold with a steam trap is connected to the railcar, the condensate drains into a stainless steel water tank by gravity, and then a pump that is connected to level switches pumps the condensate directly back into the Steam-Flo Steam Generator. The pump is TEFC and all components are water tight designed for use outdoors. The Condensate Return System is also compatible with other boilers.



## SPECIFICATIONS

### Sioux Model CR4000 Condensate Return System

- 4000 lb/hr capacity at 60 PSI
- 3/4 HP stainless steel centrifugal condensate pump
- 25 gal portable condensate holding tank
- Steam trap
- High and low water level switch
- 115V/1PH/60Hz Operating current 10 amps
- 35' power cable I (10.7M power cable)
- 20' pump power cable with water-tight connector
- 3/4" x 25' condensate return hose with quick connects
- 3/4" x 10' tank to pump hose with cam and groove connectors
- 3/8" x 25' pump to boiler hose with quick connects



## What makes Sioux different?

### Reliability Guarantee

Sioux offers the only 20-year reliability guarantee in the industry which includes same day shipment of stock parts orders and lifetime parts department support.

### Conservative Design

Sioux does not undersize components such as motors, pumps, burners, or frames, which is common elsewhere.

### Proven Performance

Sioux machines are dependable in the field. Combining high quality components with over 75 years of custom manufacturing experience and extensive engineering design capabilities allows Sioux to provide the best equipment for continuous operation in the rugged concrete production environment.

### Simple Operation

Sioux machines are designed to be simple to install, operate, and maintain. No assembly required.

### Safety

In addition to dependability and simple operation, operator safety is a top design consideration for all Sioux products.

### A Well-Deserved Reputation—The Best

Sioux machines are constructed to provide long life and trouble-free service in the most rugged industries, and include standard features that are often considered options on competitive models. These features may initially cost a little more, but provide equipment that runs better, lasts longer, is safer to operate and over the life of the equipment, provides superior return on your investment.



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