

Precise Temperature Control Equipment for Precast Producers



STEAM-FLO® STEAM GENERATOR

The Sioux Steam-Flo® is a stationary or portable steam generator engineered for accelerating the curing process in precast pipe, prestress, block, and dry or wet cast operations.

The Steam-Flo® saturates the curing areas with steam at 100% humidity, which uniformly heats the concrete and accelerates the curing process. Accelerated curing can increase production output by up to 5 times vs. not using steam. This will allow producers to meet contract requirements without increasing the size of the facility or the number of forms. Sioux also has accessories for the curing process such as the kiln control to regulate the time and temperature and also canvas steam tubes for in bed heating.

The Steam-Flo® is also excellent for thawing aggregates in bins or grizzlies, on belts, or through aggregate bunkers.

Heating water using a steam injector or sparge tube is possible with the Steam-Flo®.



The Steam-Flo® is manufactured and labeled according to ASME code and registered with the National Board. Models produce 370-3,450 lbs. (168-1,565 kg) per hour of saturated steam.



HEAT AGGREGATES:

- **Bins**
- **Grizzlies**
- **Bunkers**
- **Belts**

HEAT WATER UTILIZING:

- **Sparge tube**
- **Steam injector**

CURE CONCRETE USING:

- **Sioux Kiln Control System**
- **In Ground Pipe Steam**
- **Canvas Tube Bed Steam**

WATER HEATERS

For decades, Sioux water heaters have been the standard in precast pipe, vault, prestress, or block operations.

The WH-T is a complete package consisting of a water heater, mild steel water tank, circulation pump, and discharge pump on one ready to use skid. It is available with either a 1 or 1.7 million BTU/Hr water heater.

Features include a liquid level sensor, water solenoid valve, liquid level sight gauge, anode rod, and sight gauge. The entire system is mounted on a rugged steel skid. Units can be built with either a diesel, LP, natural gas, or combination fuel fired burner. If a larger storage tank is desired, there is a choice between either a 1,000 or 2,500 gallon tank skid package that can be plumbed to any Sioux water heater.

Sioux has different size water heaters available including 1, 1.7, 3, or 5 million BTU/Hr, depending on the size of operation and heating requirements. All Sioux water heaters are built to ASME code and are National Board Registered.



WHC1.7PG-T



WHC1.7PD



1,000 Gallon Storage Tank

AGGREGATE HEATER

Sioux's Aggre-Flo® aggregate heater is designed to heat coarse and fine aggregates to eliminate ice and frozen chunks during winter. The entire aggregate bin is heated to a consistent temperature with dry heat that does not introduce moisture into the aggregate. This allows precast producers to keep aggregates flowing from their bins and get consistent batch quality, even during the coldest months.



WATER CHILLERS

Sioux, the leader in water heaters, offers the best brand of water chillers, Carrier. Compared to utilizing ice to cool concrete, Sioux/Carrier water chillers reduce chilling costs by up to 95%. Sioux/Carrier water chillers allow for precise control of water temperature, ensuring consistent concrete and quality. Sioux/Carrier air-cooled water chiller systems are available as stationary or portable systems with capacities for any size operation.



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