

Sioux Steam-Flo[®] Low-Pressure Steam Generator



SF-50 Steam Generator

SF-50 Steam Generator
Enclosed Trailer Package



Steam-Flo® Steam Generators

Sioux's Steam-Flo® has been the number one portable steam generator since 1939. A wide variety of models are in operation worldwide. The Steam-Flo® line provides low-pressure steam for a variety of commercial applications. The Steam-Flo® vessel is constructed from boiler plate steel, and will give years of service with minimal maintenance. Low water sensor switch and automatic water feeder maintain water level and provide low water shutdown.

- Registered with National Board of Boiler and Pressure Vessel Inspectors.
- Third party approved to UL508A and CAN/CSA-C22.2 No. 14-10.
- Canadian Registration Number.
- Meets requirements of CSD-1 of the ASME Code.
- Built to Section IV of the ASME Code.
- 0-15 PSIG and 212°F - 250°F Steam

Features	Benefits
3-pass dry back Scotch boiler	Smaller, lighter, and much more efficient than single pass designs. Saves space and reduces operating costs.
ASME approved	Vessels are inspected by Hartford Steam Boiler. This ensures a high standard of quality, performance, and safety.
Power burner	Consistent burn will save fuel and lower emissions.
Simple design and controls	Easy and quick to get unit up and running.
Fiberglass insulation with outer jacket	Increased efficiency, faster re-heating, and protects operators from hot surfaces.
Low-pressure steam	Low-pressure means most locations do not require a boiler license to operate. (Check with your local and state regulations)
Exhaust temperature limit, dual low water switches, dual pressure switches, and flame safety burner control	Multiple safety limits keep operators safe.

Applications

- Heat rail tank cars for transloading or unloading
- Clean interior of rail tank cars
- Sterilize greenhouse pots, trays, and planting containers
- Pasteurize soil at greenhouses and nurseries
- Accelerate the curing process in precast concrete, pipe, prestress and block operations
- Thaw and heat aggregates
- Thaw and de-ice tanks, culverts, well heads, lines, and valves
- Many other applications...



SF-25 NG Fired

FUEL-FIRED STEAM-FLO® STEAM GENERATORS

Model	SF-11	SF-20	SF-25	SF-50	SF-100
Fuel	Diesel, NG, or LP	Diesel	NG or LP	Diesel, NG, or LP	Diesel, NG, or LP
Boiler HP	11	20	25	50	100
Steam Output	380	690	860	1,725	3,450
Fuel Usage (#2 Diesel)	3 GPH	6 GPH	N/A	14 GPH	30 GPH
Fuel Usage (NG, CFH)	427 CFH	N/A	1,010 CFH	2,000 CFH	4,000 CFH
Fuel Usage (LP, GPH)	4.8 GPH	N/A	11 GPH	22 GPH	44 GPH
Input BTU/Hr	427,000	791,000	1,010,000	2,000,000	4,000,000
Boiler Operating Volume	47 Gallons	100 Gallons	100 Gallons	330 Gallons	652 Gallons



ALL-ELECTRIC STEAM-FLO® STEAM GENERATORS

Model	Voltage Requirement	Circuit Requirement	Boiler HP	Steam Output	Boiler Volume
SF-3.8E	480V/3/60Hz	71 Amps	3.8	133 lbs/Hr	10 Gallons
SF11-E	480V/3/60Hz	140 Amps	11.6	380 lbs/Hr	27 Gallons



Trailer Packages



Portable highway rated trailer option includes: 15" tires, fuel tank, adjustable ball hitch, LED lights, trailer jack, and safety chains.

Over the road highway rated tandem axle trailer with fuel tank, generator, water tank, adjustable ball hitch, LED lights, trailer brakes, trailer jack, and safety chains.



Over the road enclosed and insulated trailers are available for severe temperature environments. Turn-key units include fuel tank, industrial generator, water tank, feed pump, and electric trailer heater.



Temperature Control Packages

- **Bin Control** - control steam temperature & time for aggregate steaming.
- **Container Control** - set a specific temperature & steam injection time into a storage vessel.
- **Zone Control** - automatically control steam output to multiple zones.
- **Kiln Control** - control steam into multiple precast curing chambers

Accessories

- **Air Churn** - inject large air bubbles into rail tank cars.
- **Barrel Steam Tool** - inject steam into barrels for the beverage industry
- **Condensate Return System** - use as a closed loop system.
- **Steam Socks** - evenly distribute steam for soil steaming or concrete curing
- **Steam Tarps**
- **Steam Hoses & Connectors**
- **Poly Water Tanks & Water Treatment**
- **Industrial Generators**

The Steam-Flo is also available as a Hot Water Boiler. (max pressure 30 PSI) For this option consult factory for circulation pumps, controls, and other required accessories.

SIoux CORPORATION

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