

SIoux STEAM-FLO® STEAM GENERATORS

370 – 845 Lbs. (168 – 383 Kg) per hour of Saturated Steam Vapor in Minutes
 Continuous, Unlimited Steam • Simple Operation • Easy Maintenance • Built to Last



Model SF-20
 Oil-Fired, Leg Mount



Self-Contained Model SF-11, Oil-Fired with
 Water Tank, Generator and Highway Trailer



Model SF-11, LP/NG-Fired,
 Leg Mount

STEAM-FLO® STEAM GENERATORS

Sioux has been the number one producer of portable Steam-Flo® steam generators since 1939. A wide variety of models are in operation worldwide. The Sioux Steam-Flo® line provides low pressure steam for a variety of applications. The Steam-Flo® vessel is constructed from 1/4" (6.4 mm) boiler plate steel, and will give years of service with minimal maintenance. A low water sensor switch and an automatic water feeder maintain water level and provide low-water shutdown.

- Registered with National Board of Boiler and Pressure Vessel Inspectors.
- Meets requirements of CSD-1 of the ASME Code (Gas-Fired Units).
- Built to Section IV of the ASME Code.

**WASTE OIL
 BURNER AVAILABLE
 (see reverse)**

Features:	Benefits:
3-pass dry back Scotch boiler	Smaller, lighter and much more efficient than single pass designs, saves space and reduces operating costs
Access ports	Easy inspection and maintenance
Low exhaust stack temperature	Safe, energy efficient design
Numerous variations and options available	Obtain the best equipment for your specific application
Simple design with few moving parts	Low maintenance
Fiberglass insulation with stainless steel outer jacket	Increased efficiency, faster reheating, and protects operators from hot surfaces

**CUSTOM
 DESIGNS
 AVAILABLE!**



SPECIFICATIONS

Model	SF-11	SF-20	SF-25	Waste-Oil Steam-Flo®
Fuel	Oil, LP, Natural Gas	Oil	LP or Natural Gas	Waste Oil, Oil
Boiler Horsepower	11.1 BHP (8.3 KW)	20.0 BHP (15 KW)	25.5 BHP (19 KW)	10 BHP (7.5 KW)
Steam Output	385 Lbs/Hr (175 Kg/Hr)	690 Lbs/Hr (313 Kg/Hr)	880 Lbs/Hr (400 Kg/Hr)	345 Lbs/Hr (157 Kg/Hr)
Firing Rate (#2 Fuel Oil)	3.05 GPH (11.5 LPH)	5.65 GPH (21.4 LPH)	N/A	2.9 GPH (10.9 LPH)
Firing Rate (LP Gas, GPH)	4.66 GPH (17.6 LPH)	N/A	11 GPH (41.6 LPH)	N/A
Firing Rate (Natural Gas, CFH)	427 CFH (12.1 m³ Hr)	N/A	1,010 CFH (28.6 m³ Hr)	N/A
Input BTU/Hour	427,000 (125 KW)	791,000 (232 KW)	1,010,000 (296 KW)	400,000 (117 KW)
Max. Rated Steam Working Pressure	15 PSI (1.04 BAR)	15 PSI (1.04 BAR)	15 PSI (1.04 BAR)	15 PSI (1.04 BAR)
Typical Operating Steam Working Pressure	5-10 PSI (0.35-0.69 BAR)	5-10 PSI (0.35-0.69 BAR)	5-10 PSI (0.35-0.69 BAR)	5-10 PSI (0.35-0.69 BAR)
Max. Temperature	250°F (121°C)	250°F (121°C)	250°F (121°C)	250°F (121°C)
Heating Tube Surface Area	65 Ft² (6.04 m²)	118 Ft² (11 m²)	118 Ft² (11 m²)	118 Ft² (11 m²)
Boiler Volume (Approx.)	55 Gallons (208 Liters)	135 Gallons (511 Liters)	135 Gallons (511 Liters)	135 Gallons (511 Liters)
Oil Fuel Tank Capacity (Optional)	36 Gallons (136 Liters)	65 Gallons (246 Liters)	N/A	N/A
Efficiency (Approx.)	86%	85%	83%	86%
Operating Current (Amps)	3 Amps (Oil) 4 Amps (Gas)	3 Amps	4 Amps	8 Amps
Machine Dimensions (Approx.)*	60"L x 40"W x 51"H (152 x 102 x 130 cm)	70"L x 51"W x 61"H (178 x 129.5 x 155 cm)	85"L x 51"W x 61"H (216 x 129.5 x 155 cm)	70"L x 51"W x 61"H (178 x 129.5 x 155 cm)
Shipping Dimensions (Approx.)*	85"L x 54"W x 60"H (216 x 137 x 152 cm)	76"L x 58"W x 72"H (193 x 147 x 183 cm)	94"L x 58"W x 72"H (238.8 x 147 x 183 cm)	76"L x 58"W x 72"H (193 x 147 x 183 cm)
Machine Weight, Dry (Approx.)*	900 Lbs (408 Kg)	1,200 Lbs (544 Kg)	1,200 Lbs (544 Kg)	1,200 Lbs (544 Kg)
Shipping Weight (Approx.)*	1,220 Lbs (554 Kg)	1,820 Lbs (825 Kg)	1,910 Lbs (866 Kg)	1,910 Lbs (866 Kg)

* Dimensions and weights are for leg mounted configuration.

Boiler performance ratings are based on 212°F (100°C) Boiler feed water temperature and 70°F (21°C) air temperature at sea level, which is standard for the boiler industry. Performance may vary +/- 5%. Sioux reserves the right to make such changes as deemed advisable, which represent improvement of performance and/or reliability. For warranty specifications and limitations of Sioux Corporation see form #844. The information contained in this brochure does not constitute a warranty.

OPTIONS

- Portable Non-Highway Trailer Option Includes: 15" (38 cm) Pneumatic Tires, 36-Gallon (136-Liter) Fuel Tank for SF-11 or 65-Gallon (246-Liter) Fuel Tank for SF-20, and Trailer Hitch
- Over the Road Highway-Rated 2-Wheel Trailer with fuel tank, generator, water tank, highway tail lights and brakes (consult factory for details)
- Skid Mounted with 36-Gallon (136-Liter) Fuel Tank for SF-11 or 65-Gallon (246-Liter) Fuel Tank for SF-20
- Available as a Hot Water Boiler (max pressure 30 PSI). For this option, consult factory for circulation pumps, controls and other accessories available.



Model SF-11, Oil-Fired Non-Highway Trailer

For more information:



1150 Davis Road, Suite J, Elgin, IL 60123
 P: (847) 468-8800 • (800) 788-8867 • F: (847) 468-8811
 www.lt-equip.com • info@lt-equip.com

Application Specific Equipment



SIOUX CORPORATION

Toll-Free: 888-763-8833
 Tel: 605-763-3334 • Fax: 605-763-3333
 email@sioux.com • www.sioux.com
 One Sioux Plaza • Beresford, South Dakota 57004 USA



820-09

Steam-Flo® is a registered trademark of Sioux Corporation. This product is covered by one or more U.S. patents pending. Copyright 2009 Sioux Corporation. No portion of this literature may be reproduced without express written permission of Sioux Corporation.