SF SERIES

Fiberglass Cooling Towers

ENERGY EFFICIENT COOLING TOWERS REDUCE OPERATING COSTS AND RESIST CORROSION

SF Series cooling towers offer unparalleled corrosion resistance, energy efficiency and performance.

If your cooling temperature requirements range from 85ºF upward, you may reduce your process water consumption up to 98.5% by using cooling towers to remove process heat. Sterling Cooling Tower Systems are used wherever a reduction of water costs and/or control of mineral precipitation associated with cooling applications is desired.

Features

- High efficiency induced-draft design
- Balancing valve and pressure gauge
- Factory-tuned fan blade pitch
- PVC fill and Drift eliminators with ultraviolet (UV) protection
- Totally-enclosed non-ventilated energy-efficient TENV fan motor
- Vertical air discharge
- Large inspection/access door
- Anti-clog ABS nozzle(s)
- Stainless steel hardware
- Bottom outlet (requires a 24" [61 cm] - minimum support base under the tower)
- Lightweight non-corrosive fiberglass shell with fiberglass side seams
- Exterior gel coat/UV inhibitor
- 2 year warranty on parts
- 1 year on fan motors
- 1 year warranty on labor (in North America)
- 10 year shell warranty

Options

- 460/3/60 or 230/3/60 starter package, including starter, on/off switch, thermostat, and well (consult factory for 208V or 575V)
- Basin reservoir, to be used where the basin of the tower serves as a reservoir. It is not necessary to purchase this package where an inside reservoir is used. The parts consist of a 0.75" automatic float valve, water outlet basket strainer, and overflowconnection (Not recommended for bottom outlet towers).
- Heater, used with basin reservoir option to guard against freeze-up when system is shut down.Includes heater and low water heater shut off
- Factory startup, including checking motors, flow, adjusting nozzles. Towers must be installed and connected, including all piping and electrical hookups before Sterling arrives on site.
- Access ladder, meets OSHA requirements (shipped loose for field installation)
- Side outlet configuration available at no charge

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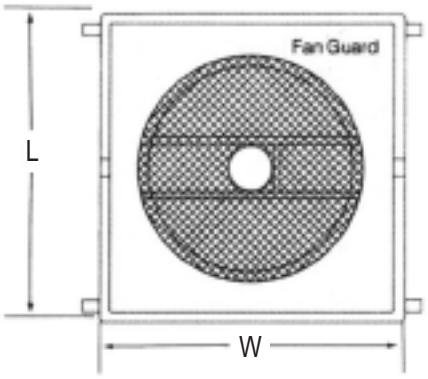
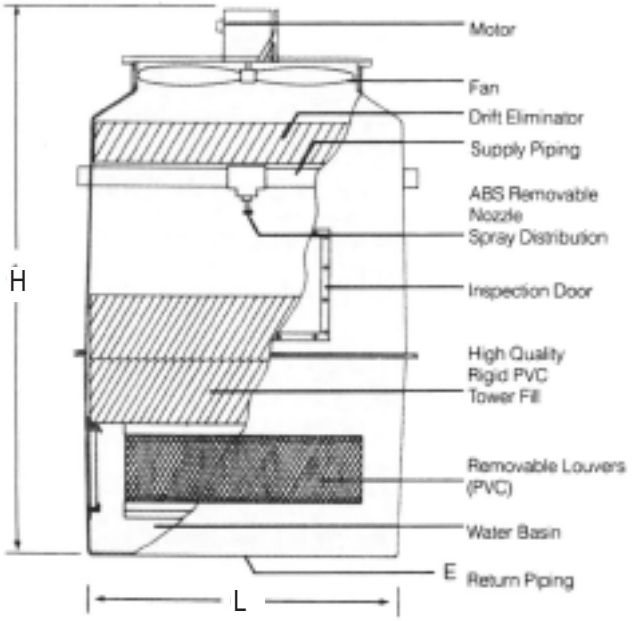
SPECIFICATIONS

Model	Capacity,1 tons (Kcal/hr)	Fan motor, hp (kW)	Amp draw, 460/3/60	Water inlet dia., in. (mm)	Water outlet dia., in. (mm)	Length, in. (cm)	Width, in. (cm)	Height, in. (cm)	Ship. weight, lbs. (kg)	Operating weight, lbs. (kg)
SF 2003	50 (151,200)	2 (1.5)	3.4	3 (76)	4 (102)	64 (163)	64 (163)	104 (264)	600 (273)	1300 (591)
SF 2004	75 (226,800)	5 (3.7)	7.6	3 (76)	6 (152)	64 (163)	64 (163)	125 (318)	750 (341)	1700 (772)
SF 2005	100 (302,400)	5 (3.7)	7.6	4 (102)	8 (203)	82 (208)	82 (208)	121 (307)	1400 (636)	2900 (1317)
SF 2007	125 (378,000)	5 (3.7)	7.6	4 (102)	8 (203)	82 (208)	82 (208)	121 (307)	1500 (681)	3200 (1453)
SF 2009	150 (453,600)	10 (7.5)	14	4 (102)	8 (203)	100 (254)	100 (254)	123 (313)	1950 (886)	3800 (1726)
SF 2011	175 (529,200)	10 (7.5)	14	4 (102)	8 (203)	100 (254)	100 (254)	123 (313)	2100 (954)	4400 (1998)
SF 2015	200 (604,800)	15 (11.2)	21	4 (102)	8 (203)	100 (254)	100 (254)	124 (315)	2600 (1181)	5200 (2361)

1 Capacity based upon 15,000 BTU/hr (3,024 Kcal/hr) heat rejection per ton (3,024 Kcal/hr chilled water, 3,780 Kcal/hr tower water). Flow equals 3 gpm per ton (1.563 lpm per 1,000 Kcal/hr). Entering water temperature 95ºF (35ºC), leaving water temperature 85ºF (29ºC), 78ºF (26ºC) ambient wet bulb. Consult factory for other requirements.



Top View



Side View (Without standard brackets)

Cooling Systems

Specifications, appearances and dimensions are subject to change without notice.

Sterling

PRODUCT. PERFORMANCE. EXCELLENCE.