

### FG Series Fiberglass Cooling Towers

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

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

#### Standard Features

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



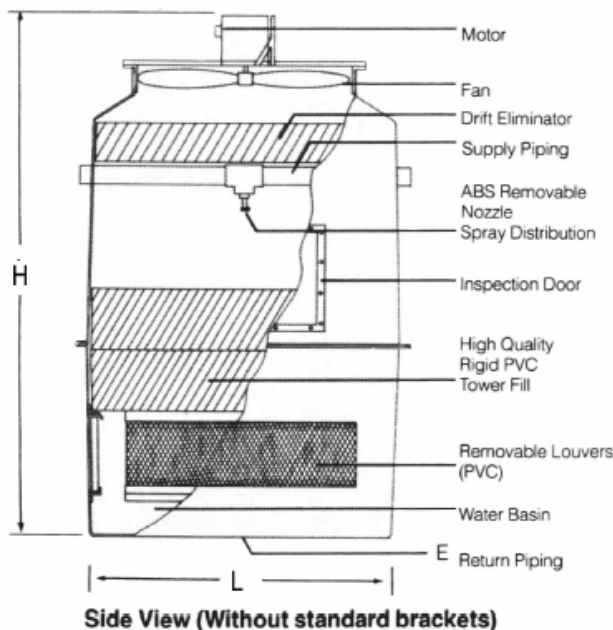
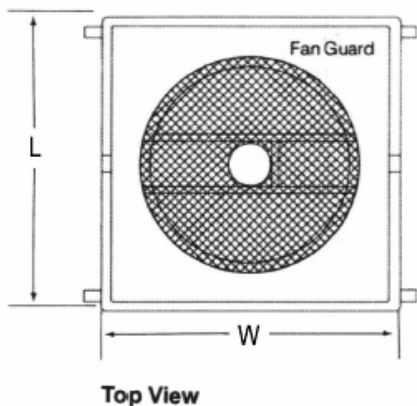
#### Optional Features

- 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 overflow connection (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 Colortronic arrives on site
- Access ladder, meets OSHA requirements (shipped loose for field installation)
- Side outlet configuration available at no charge

**Specifications**

| Model  | Capacity<br>①, tons<br>(Kcal/hr) | Fan<br>motor,<br>hp<br>(kW) | Amp<br>draw,<br>460/3/60 | Water<br>inlet<br>dia.,<br>in.<br>(mm) | Water<br>outlet<br>dia.,<br>in.<br>(mm) | Length,<br>in. (cm) | Width,<br>in. (cm) | Height,<br>in. (cm) | Shipping<br>weight,<br>lbs. (kg) | Operating<br>weight,<br>lbs. (kg) |
|--------|----------------------------------|-----------------------------|--------------------------|--|---|---------------------|--------------------|---------------------|----------------------------------|-----------------------------------|
| FG2003 | 50<br>(151,200)                  | 2<br>(1.5)                  | 3.4                      | 4<br>(102)                             | 4<br>(102)                              | 64<br>(163)         | 64<br>(163)        | 104<br>(264)        | 600<br>(273)                     | 1300<br>(591)                     |
| FG2004 | 75<br>(226,800)                  | 5<br>(3.7)                  | 7.6                      | 4<br>(102)                             | 6<br>(152)                              | 64<br>(163)         | 64<br>(163)        | 125<br>(318)        | 750<br>(341)                     | 1700<br>(772)                     |
| FG2005 | 100<br>(302,400)                 | 5<br>(3.7)                  | 7.6                      | 4<br>(102)                             | 8<br>(203)                              | 82<br>(208)         | 82<br>(208)        | 121<br>(307)        | 1400<br>(636)                    | 2900<br>(1317)                    |
| FG2007 | 125<br>(378,000)                 | 5<br>(3.7)                  | 7.6                      | 4<br>(102)                             | 8<br>(203)                              | 82<br>(208)         | 82<br>(208)        | 121<br>(307)        | 1500<br>(681)                    | 3200<br>(1453)                    |
| FG2009 | 150<br>(453,600)                 | 10<br>(7.5)                 | 14                       | 4<br>(102)                             | 8<br>(203)                              | 100<br>(254)        | 100<br>(254)       | 123<br>(313)        | 1950<br>(886)                    | 3800<br>(1726)                    |
| FG2011 | 175<br>(529,200)                 | 10<br>(7.5)                 | 14                       | 4<br>(102)                             | 8<br>(203)                              | 100<br>(254)        | 100<br>(254)       | 123<br>(313)        | 2100<br>(954)                    | 4400<br>(1998)                    |
| FG2015 | 200<br>(604,800)                 | 15<br>(11.2)                | 21                       | 4<br>(102)                             | 8<br>(203)                              | 100<br>(254)        | 100<br>(254)       | 124<br>(315)        | 2600<br>(1181)                   | 5200<br>(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 95° F (35°C), leaving water temperature 85° F (29° C) ambient wet bulb. Consult factory for other requirements.



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