

PT-G3 SERIES

- Total Non-Ferrous Design
- 45 - 270 Tons Capacity
- 85°F - 95°F at 78°F Web Bulb
- UV Stabilized Fiberglass Shell
- TEFC Fan Motor with ABS Blades
- 10 Year Shell Warranty
- 5 Year Mechanical Warranty

The **PT-G3 Series** cooling tower is ready to meet the needs of today's industry. This tower cell is made of all non-ferrous materials, including fiberglass shell, TEFC motor, ABS fan, PVC wet deck and distribution header. The fiberglass shell is 1/2" thick and even thicker in certain support areas. Other product features include:

TOWER DESIGN:

- Single or multi cell designs
- Total non-ferrous construction materials
- Single inlet and drain connections on models to 270 tons
- Induced draft air movement
- Structural galvanized steel base on 45 to 135 ton models
- Structural painted steel base on 170 to 270 ton models

SHELL CONSTRUCTION:

- High strength fiberglass molding
- 1/2" of structural thickness in reinforced areas
- UV stabilized coating
- Acrylic adhesive bonding between shell halves
- Polyurethane sealant

FAN:

- Air foil shaped blades for increased air flow
- Blades are made of a glass fiber reinforced polymer
- Direct drive
- Factory set for maximum air movement

MOTOR:

- TEFC construction
- Mounted on a stainless steel frame
- Supported on reinforced fiberglass shell area
- Mounted to shell with stainless steel fasteners

INLET LOUVERS:

- PVC construction
- Easily removed for cleaning
- Vertical orientation to eliminate 'splash out'
- Directs air flow at proper angle for even distribution into wet deck
- Helps prevent air-borne debris from entering cell

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PT-135-G3 model shown.

DISTRIBUTION HEADER:

- Non-ferrous PVC 'cross' construction
- Stationary
- Computer designed spray pattern
- Large orifice spray heads
- PVC spray heads
- Drift eliminator prevents over spray and water loss

WET DECK:

- Stacked honeycomb pattern maximizes water and air flow for greater cooling efficiency
- PVC construction

INSPECTION COVERS:

- Easily removed
- Seamless gasket sealing
- Allows for inspection of cell interior and replacement of wet deck

WARRANTIES:

- 10 year shell warranty
- 5 year motor/fan warranty



Specifications

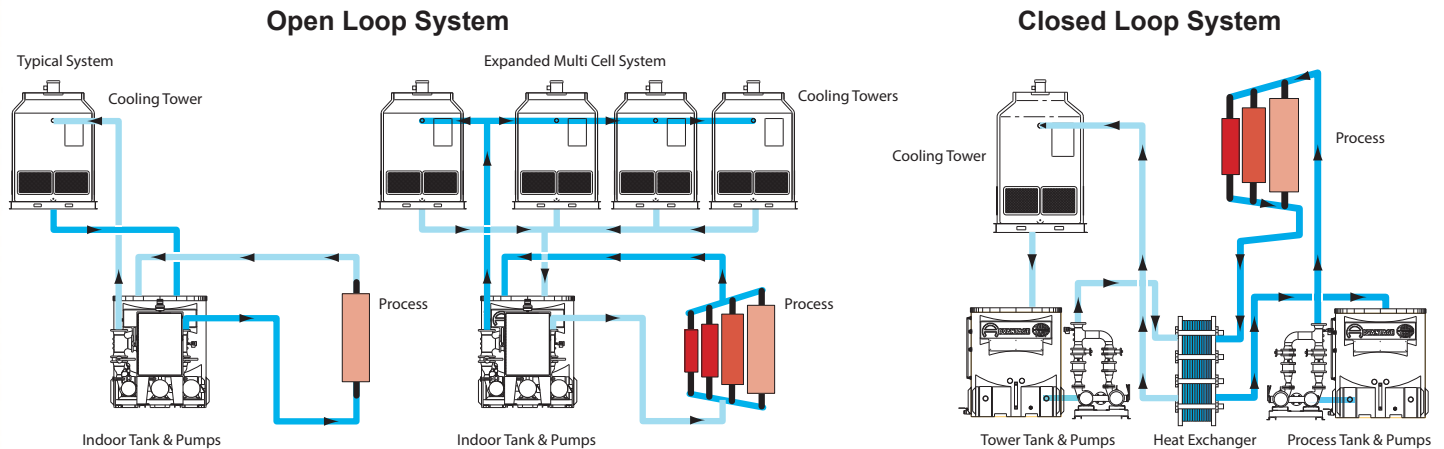
MODEL		PT-45G3	PT-85G3	PT-105G3	PT-135G3	PT-170G3	PT-210G3	PT-270G3
WATER CAPACITY	Capacity (tons) ¹	45	85	105	135	170	210	270
	Flow rate (gpm)	135	255	315	405	510	630	810
FAN (direct drive)	Quantity	1	1	1	1	2	2	2
	RPM	1,170	1,170	1,170	870	1,170	1,170	870
	CFM (total)	12,040	21,700	25,000	30,500	43,400	50,000	61,000
MOTOR	Quantity	1	1	1	1	2	2	2
	Total nameplate HP	3	5	10	7.5	10	20	15
	Amps @ 230/3/60	9.6	15.2	24.2	24.2	24.2	57.6	56.0
	Amps @ 460/3/60	4.8	7.6	12.1	12.1	12.1	28.8	28.0
	Amps @ 575/3/60	3.9	6.1	10.0	10.0	10.0	24.0	24.0
TOWER CONNECTIONS	To Tower	3"	4"	4"	4"	2@4"	2@4"	2@4"
	From Tower (drain) ²	4"	6"	6"	6"	2@6"	2@6"	2@6"
DIMENSIONS	Height	135"	136½"	136½"	141½"	140"	140"	140"
	Length	55"	79"	79"	91"	210"	210"	210"
	Depth	57½"	81½"	81½"	93½"	80½"	80½"	80½"
WEIGHTS (lbs)	Dry	725	1,290	1,390	1,950	2,210	2,250	3,125
	Wet	1,470	3,100	3,200	4,200	5,600	5,640	7,800
	Shipping	1,100	1,580	1,680	1,950	2,210	2,250	3,125

Notes:

1. Cooling water from 95°F to 85°F at 3 gpm / ton and 78°F wet bulb temperature.

2. When used with remote sump. Consult factory for connection size when the base of the tower will be used as the water reservoir.

Typical Flow Schematics



PT-135-G3 model shown on a galvanized stand.

Options

TOWER STAND:

- Elevates tower for use with above ground indoor or remote tanks.
- Since of tower cells include a structural base, stands are simple and inexpensive compared to stands for competitive cooling towers that often require special and more complex structures.

SIDE OUTLET:

- PVC flange
- Factory installed

FAN STARTER KIT:

- Motor starter contactor
- Motor overload relay
- Nema 1 enclosure
- Fan thermostat

BASIN FLOAT VALVE:

- Mechanical float and valve
- 1/2" supply connection
- Factory or field installed

For More Information ... call SWHC 214-340-7500

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**SOUTHWEST
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10610 CONTROL PLACE
DALLAS, TEXAS 75238

MAIN: 214-340-7500
TOLL FREE: 800-687-2220

SALES@SWHC.COM
SWHC.COM