DELTA COOLING TOWERS

Leader in Non-Corroding Cooling Tower Technology

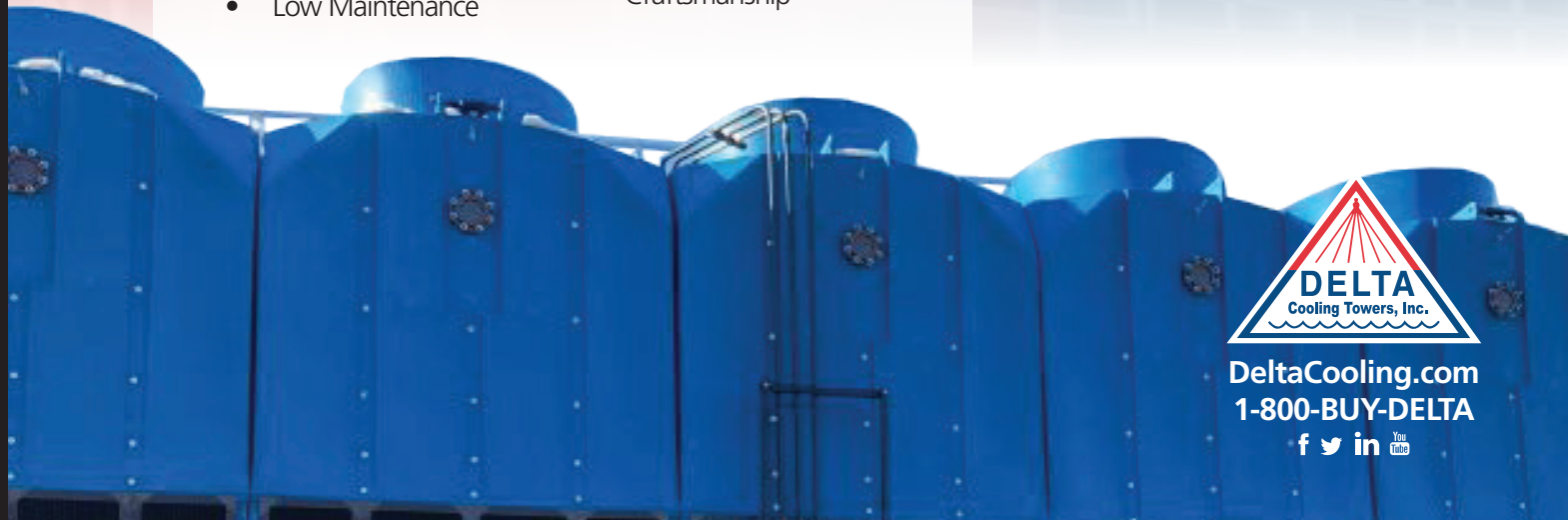




20 YEAR WARRANTY

Delta Engineered Plastic Cooling Towers

- Lightweight
- High-Efficiency
- Corrosion Proof
- Seamless One-Piece Construction
- Low Maintenance
- 20-Year Warranty
- Water Saving
- Low Sound
- Made in the USA Quality and Craftsmanship



DELTA Cooling Towers, Inc.

DeltaCooling.com
1-800-BUY-DELTA

Why Delta?

Who We Are

- Over 50 years of experience
- Strong outside sales organization
- World-class service team
- Made in the USA supporting global industry
- Continuous innovative improvement

Where We Came From

In December of 1970, three engineers, who had previously worked for a metal cooling tower company were looking for an innovation in the industry. They knew metal towers had a history of being short-lived due to the moist and corrosive atmosphere, so they thought it would be beneficial to build cooling towers from a non-corrosive engineered plastic such as high-density polyethylene (HDPE). The first tower was a 50-ton unit that was shipped to Oregon, which was a huge success.

As interest began to grow, Delta continued to produce, turning out new products every couple of years. Now we make cooling towers with single unit capacities up to 2,500 cooling tons.

For over 50 years, Delta Cooling Towers is proud to be pioneers in the cooling tower industry. Our founders were innovators and refused to settle for less than the best. We continue that tradition today by dominating the healthcare industry. Delta Cooling Towers has no interest in staying complacent and will continue to **innovate, advancing cooling tower technology to save our clients time, productivity and money.**

Why Delta Cooling Towers Leads the Industry

Our customers are concerned about cooling tower **longevity, 100% uptime, lower installation, and operating costs.**

Delta Cooling Towers is the **only cooling tower manufacturer with a 20-year warranty** and an **HDPE seamless non-corroding shell**. There are several issues that Delta addresses confronting cooling tower HVAC users as well as industrial users who rely on cooling towers to protect and control their critical processes.

Engineered plastic cooling towers outlast metal designs and can be constructed of unique anti-microbial resins which protect against Legionnaires' Disease and other microbial health threats that can proliferate in a cooling system's infrastructure.

Our towers are environmentally friendly due to lower water treatment requirements as well as offer exceptional durability, significantly less downtime for maintenance, and an easier and quicker installation.

DELTA Cooling Towers, Inc.
DeltaCooling.com
1-800-BUY-DELTA

DELTA COOLING TOWERS

Metal vs. Engineered Plastic

Engineered plastic cooling towers are the smartest choice

Metal	VS.	Engineered Plastics
Costly maintenance Expensive disruptions when serviced, repaired or replaced due to rust and corrosion.	Maintenance, Service & Repairs	**Minimal maintenance** Corrrosion-proof, less moving parts, and direct drive fans.
One year warranty and **7 to 15 years**.	Life Expectancy	**20 year warranty & 50+ year** expected life.
Impacted by environmental factors Metal corrodes, scale deposits and water accelerates corrosion.	Corrosion	**Impervious to environmental factors** Seamless plastic cannot corrode or require patches or re-coating.
Galvanization or low grade stainless New softened makeup water and chemical treatment causes premature failure and necessary repairs.	Chemicals	**Engineered plastic** Not affected by chemicals, allows higher cycles of concentration with no damage and water savings.
Higher facility costs Damage to the facility, increased costs for water, chemicals, sewerage, and increased energy use.	Cost	**Lower facility costs** 12% average savings of tower price in operating cost annually over the competition.



DELTA Cooling Towers, Inc.

DeltaCooling.com
1-800-BUY-DELTA

DELTA COOLING TOWERS



TM Series™

Induced Draft, Counter Flow Design

250 to 2,500 Ton Single Modules

DIRECT DRIVE AIR MOVING SYSTEM

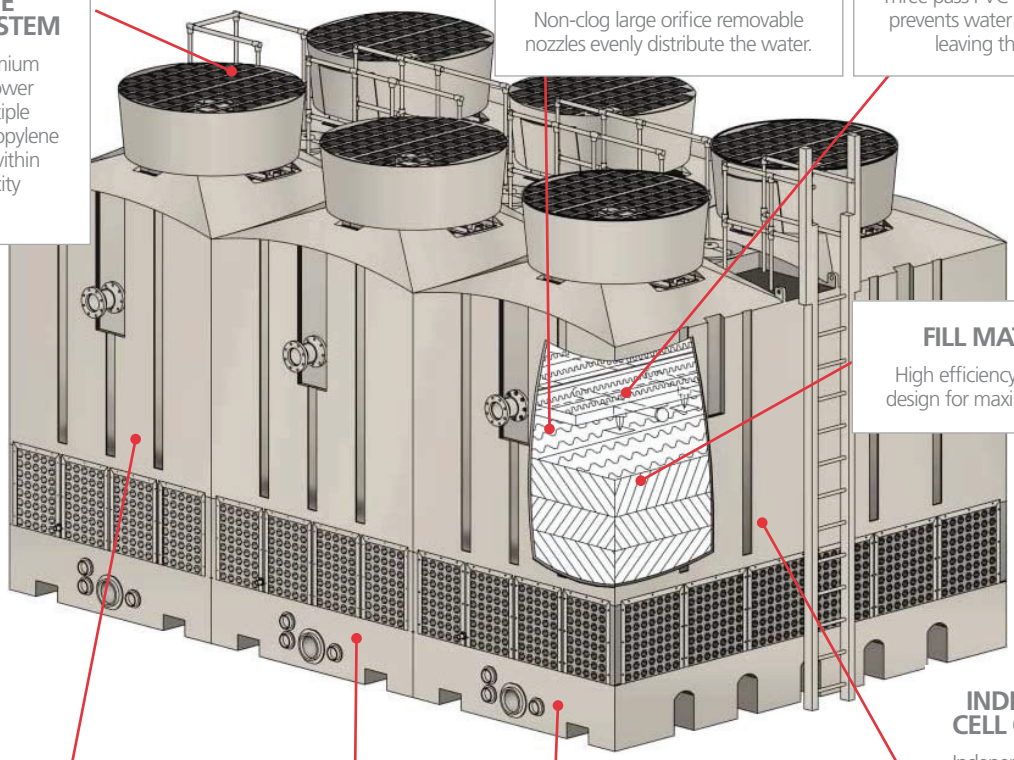
Totally enclosed premium efficiency cooling tower motors power multiple fiber-reinforced polypropylene axial propeller fans within polyethylene velocity recovery stack.

NOZZLE WATER DISTRIBUTION SYSTEM

Non-clog large orifice removable nozzles evenly distribute the water.

DRIFT ELIMINATOR

Three pass PVC drift eliminator prevents water droplets from leaving the tower.



FILL MATERIAL

High efficiency PVC cellular design for maximum cooling.

INDEPENDENT CELL CAPABILITY

Independent cells allow isolation of cells for operational flexibility.

LIGHTWEIGHT AND DOUBLE-WALL

Plastic is lighter than conventional cooling towers and integrated double-wall is more than 10 times the average wall thickness of metal towers.

LEAK-PROOF SUMP

Molded as a unitary (one-piece) structure that has no joints to leak or require recaulking and sealing. Sloped from end and sides toward outlet.

SELF SUPPORTING PLASTIC BASE

Tower can be set on flat surface or on I-beams placed in integrally molded I-beam pockets for elevated installations.

NON-CORRODING SHELL

HDPE plastic construction cannot corrode and is backed by 20-year warranty.

Model Group	Approximate Shipping	Weight Operating	Dimensions L X W x Ht	Capacity Tons	Fan Motor HP	Sump Capacity Gallons
1 Cell	5,020	10,670	16.5' x 8.5' x 14.8'	265-428	6-30	480
2 Cell	10,040	21,340	16.5' x 17.0' x 14.8'	518.836	12-60	960
3 Cell	15,060	32,010	16.5' x 25.5' x 15.8'	846-1224	30-90	1400
4 Cell	20,080	42,680	16.5' x 34.0' x 15.8'	1104-1610	40-120	1920
5 Cell	25,100	53,350	16.5' x 42.5' x 15.8'	1362-1754	50-120	2400
6 Cell	30,120	64,020	16.5' x 51.0' x 15.8'	1610-2074	60-120	2880

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility.

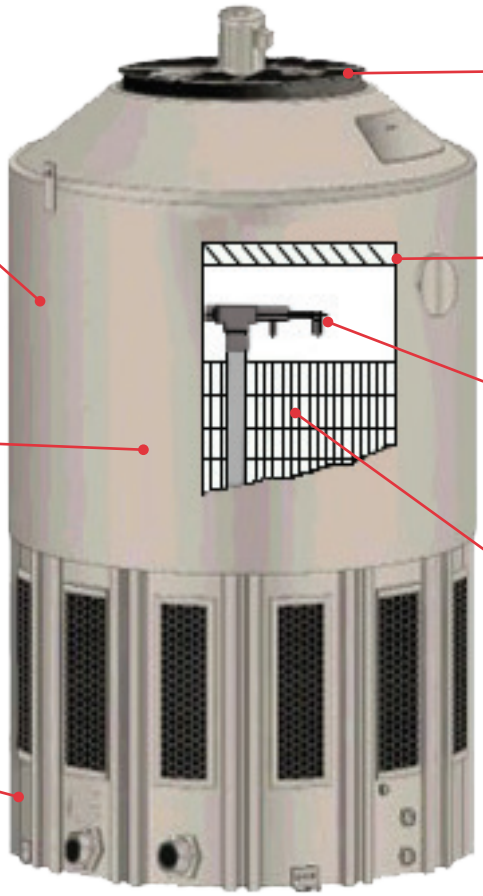
DELTA COOLING TOWERS



Paragon™

Induced Draft, Counter Flow Design

55 to 250 Ton Single Modules



NON-CORRODING SHELL

HOPE plastic construction can not corrode and is backed by 20-year warranty.

LIGHTWEIGHT AND HEAVY DUTY

Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.

LEAK-PROOF--SUMP

Molded as unitary (one-piece) structure that has no joints to leak or require recaulking and sealing.

DIRECT DRIVE AIR MOVING SYSTEM

Totally enclosed premium efficiency cooling tower motor powers fiber-reinforced polypropylene axial propeller fan.

DRIFT ELIMINATOR

Three pass PVC drift eliminator prevents water droplets from leaving the tower.

NOZZLE WATER DISTRIBUTION SYSTEM

Non-clog large orifice removable nozzles evenly distribute the water.

FILL MATERIAL

High efficiency spiral wound PVC cellular design for maximum cooling.

Model Number	Approximate Shipping	Weight Operating	Dimensions Dia x Ht	Capacity Tons	Fan Motor HP	Sump Capacity Gallons
ΔT-55I	1,640	3,980	84" x 146"	55	2	330
ΔT-70I	1,640	4,050	84" x 146"	70	3	330
ΔT-85I	1,640	4,070	84" x 146"	85	5	330
ΔT-100I	1,640	4,235	84" x 146"	100	5	330
ΔT-125I	1,710	4,310	84" x 146"	125	7.5	330
ΔT-150I	2,205	5,570	95" x 178"	150	7.5	468
ΔT-175I	2,350	5,810	95" x 178"	175	10	468
ΔT-200I	2,850	8,440	114" x 210"	200	10	718
ΔT-250I	3,300	8,640	114" x 210"	250	15	718

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility.

DELTA COOLING TOWERS



Pioneer™

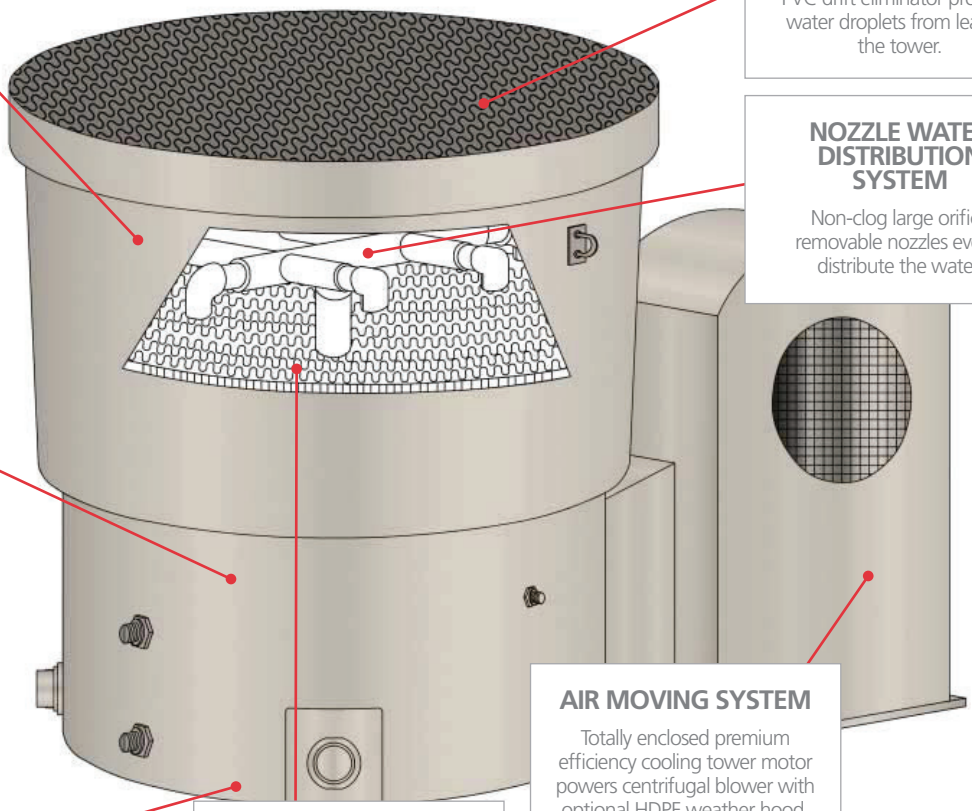
Forced Draft, Counter Flow Design

10 to 100 Ton Single Modules

NON-CORRODING SHELL
HOPE plastic construction can not corrode and is backed by 20-year warranty.

DRIFT ELIMINATOR
PVC drift eliminator prevents water droplets from leaving the tower.

NOZZLE WATER DISTRIBUTION SYSTEM
Non-clog large orifice removable nozzles evenly distribute the water.



LIGHTWEIGHT AND HEAVY DUTY
Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.

AIR MOVING SYSTEM
Totally enclosed premium efficiency cooling tower motor powers centrifugal blower with optional HDPE weather hood.

LEAK-PROOF SUMP
Molded as unitary (one-piece) structure that has no joints to leak or require recaulking and sealing.

FILL MATERIAL
High efficiency spiral wound PVC for maximum cooling.

Model Number	Approximate Shipping	Weight Operating	Dimensions Dia x Ht	Capacity Tons	Fan Motor HP	Sump Capacity Gallons
Δt-10	350	705	38" x 78"	10	1	40
Δt-15	360	725	38" x 78"	15	1.5	40
Δt-20	385	750	38" x 78"	20	2	40
Δt-25	405	765	38" x 78"	25	3	40
Δt-30	710	1,500	56" x 76"	30	5	40
Δt-40	730	1,525	56" x 76"	40	5	75
Δt-50	910	2,610	80" x 80"	50	5	157
Δt-75	970	2,675	80" x 80"	75	7.5	157
Δt-100	1,030	2,730	80" x 80"	100	10	157

The information, recommendations and opinions set forth herein are offered solely for your consideration, inquiry and verification, and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility.

DELTA COOLING TOWERS

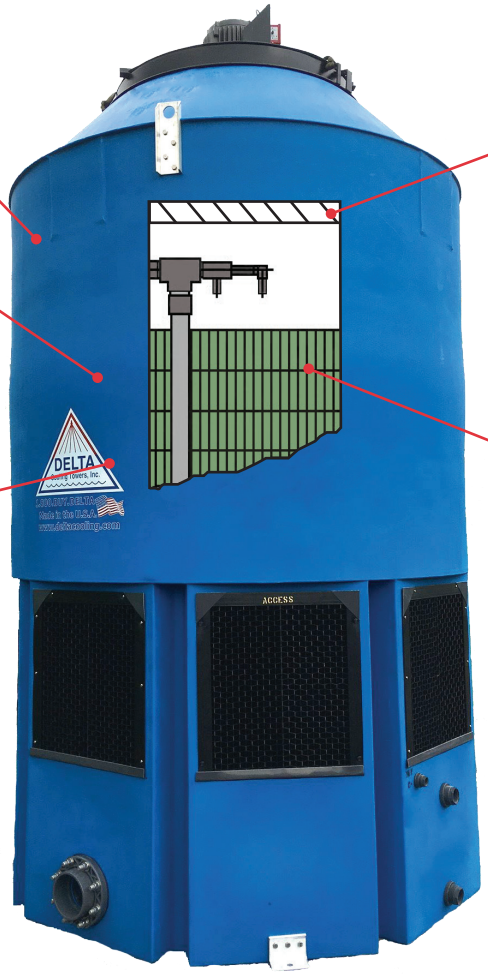


Anti-Microbial

NON-CORRODING TOWER SHELL
Anti-microbial HDPE resin.

LIGHTWEIGHT AND HEAVY DUTY
Withstands most aggressive chemical treatments.

ANTI-MICROBIAL
Fully compounded throughout resin resists biofilm growth.



ANTI-MICROBIAL DRIFT ELIMINATOR
PVC drift eliminator prevents water droplets from leaving the tower.

ANTI-MICROBIAL TOWER FILL
Inhibits the growth of microorganisms and biofilm.

We begin manufacturing with anti-microbial resin, which is fully compounded into base cooling tower plastic material. Our anti-microbial additives operate on the cellular level to **continuously disrupt and prevent** uncontrolled growth of the microorganisms and biofilm.

According to the Center for Disease Control and Prevention, about 5,000 cases of Legionnaires' disease are now reported each year in the United States.

Test Results

The bacteria tested were legionella pneumophila serogroup 1. The base materials tested were Delta compounded HDPE, FRP, and stainless steel. The numbers reflect the bacterial count after 24 hour incubation.

Cooling Tower Shell	Anti– Microbial Efficacy
Delta AM HDPE	Yes
Stainless steel	No
FRP	No
Cooling Tower Fill	**Anti– Microbial Efficacy**
Accushield™ Fill	Yes
Standard Fill	No

Design Minimizes Legionella Risk

- Aggressive slope side-to-side, TM Series.
- 3% slope back-to-outlet, TM Series.
- Prevents stagnant corner water typical in flat bottom towers.
- Basin sweeper systems also available.

Stagnant water is a breeding ground for microorganisms which reproduces legionella.

Options & Accessories

Standard Features

- HDPE Shell
- Non-Corroding Construction
- Non-Clog PVC Water Distribution System
- Highest Energy Efficiency
- Premium Efficient Cooling Tower Duty Motors
- PVC Fittings

Options

- Filter / Water Treatment Accessories
- Thermostatic Fan On-Off Control
- Ladders with Landing Platforms
- Pumps / Pump Skids
- Control Panels/VFDs
- Indoor Storage Tanks
- Anti-Freeze Control Sump Packages
- High Temp / Dirty Water Fill
- Other Accessories Available

EXPERIENCE

40+ Years of Cooling Tower Manufacturing Experience

Since 1970 Delta has provided cooling towers that stand up to process conditions and the outdoor elements like no other cooling tower. Delta has coupled the maintenance-free seamless plastic construction with many other design features consistent with trouble-free longevity. The unitary plastic shell of the tower carries the industry best 20-year warranty.

CUSTOMIZE YOUR COOLING TOWER

You Decide How You Want Your Delta Tower

Do you have any special requirements for your cooling tower? Fitting locations, bottom outlets, gravity drain, oversized fittings, pump suction, high temperatures, space restrictions? Delta has a "Can-Do" orientation and we would be glad to talk through your unique requirements and provide the best solution for your application.

PACKAGED COOLING SYSTEMS

Delta manufactures packaged cooling systems for a wide range of applications. These systems include cooling towers plus a skid-mounted system that can include pumps, controls, heat exchangers, piping, valves, instruments and other optional items. Manufactured to allow simple installation at a customer site. Typically, installation of these systems requires only external piping and electrical power connections.









DELTA Cooling Towers, Inc.

DeltaCooling.com
1-800-BUY-DELTA