

Paragon Induced Draft Towers

Paragon® Cooling Towers

Delta's Paragon® Induced Draft, counter flow design is available in single module capacities from 55 to 250 cooling tons.

Manufactured since 1981, the Paragon® tower has been very well received in both commercial and industrial applications.

Paragon's unique design provides unlimited flexibility of modular operation, future upgrade capability and location convenience. Unitary molded of HDPE, these towers are light weight, strong and long lasting, and backed by a 15-year warranty!

Standard Features:

- Seamless Engineered Plastic (HDPE) Shell
- Corrosion Proof Construction
- Direct Drive Fan System
- Totally Enclosed VFD Rated Motors
- Factory Assembled for Simple Installation
- 20 Year Shell Warranty
- Low Pressure Drop Self Propelled PVC Water Distribution System
- High Efficiency PVC Fill
- Made in the USA

Basic Specs

Model Number	Approximate Weights		Dimensions Dia. x Ht.	Capacity Tons	Fan Motor HP	Sump Capacity Gallons
	Shipping	Operating				
ΔT-55 I	1180	3980	84" x 146"	55	2	330
ΔT-70 I	1250	4050	84" x 146"	70	3	330
ΔT-85 I	1270	4070	84" x 146"	85	5	330
ΔT-100 I	1510	4235	84" x 146"	100	5	330
ΔT-125 I	1585	4310	84" x 146"	125	7.5	330
ΔT-150 I	1785	5570	95" x 178"	150	7.5	468
ΔT-175 I	1925	5810	95" x 178"	175	10	468
ΔT-200 I	3170	8440	114" x 210"	200	10	718
ΔT-250 I	3365	8640	114" x 210"	250	15	718

Detailed Features



All Delta Cooling Towers are factory assembled to the fullest extent possible for ease of installation and shipment. The following features are standard on our Paragon® Series Induced Draft Cooling Towers:

Shell:

A seamless engineered polyethylene cylindrical (HDPE) molded shell, with conical transition for motor/fan assembly, louvered inlets and fitting orientation. Louvered inlets are designed for 360° air distribution. There are no joints, seams, panels, gaskets, bolts, fasteners or caulking like conventional towers.

Sump:

Sump is integral with cooling tower shell, creating a one-piece seamless structure.

Water Distribution System:

A self-propelled PVC distribution system incorporating a rotating sprinkler head and lateral distribution arms with integral drift eliminators. An inspection port is provided in the cooling tower shell at the lateral arm elevation for adjustment. (Non-rotating water distribution system is also available).

Wet Decking:

A continuous wrapped spiral configuration of lightweight PVC, bonded and packed for maximum film cooling efficiency.

Fan Assembly:

The fan assembly consists of a fan ring, propeller, motor and guard. The fan ring is coated with premium plasite coating ideal for the harshest corrosive environments. An adjustable pitch propeller fan, fiberglass reinforced polypropylene with a silica alloy hub, is directly driven by a totally enclosed VFD Premium rated motor designed for cooling tower duty. A fan guard is included that allows protection from the propeller and access to the motor.

Motor:

Totally enclosed air over (TEAO) VFD rated motor with 1.15 service factor, designed for 208 or 230/460V 3 phase 60 cycle operation and suitable for outdoor service. Motor is provided with a 5-year motor manufacturer's warranty.

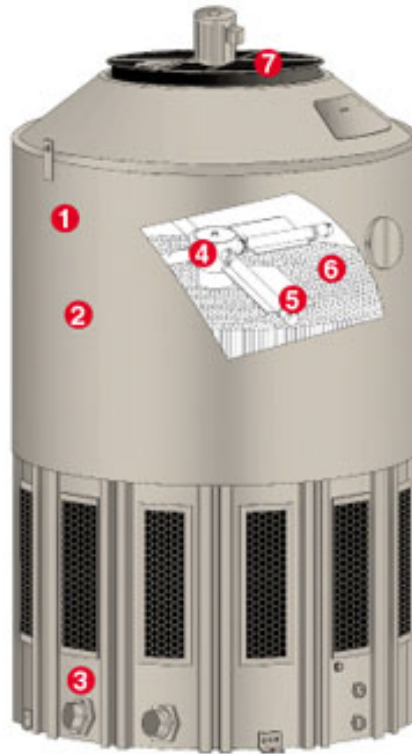
Fitting Connections:

PVC fittings are provided for inlet, outlet, overflow, drain and make-up connections at standard orientation locations. Orientation for special requirements is available for new and replacement installations.

Hardware:

All fasteners are 304 stainless steel. Anchor and lifting lugs are aluminum.

Cutaway View



- 1 - Corrosion-Proof Shell: HDPE Plastic Construction cannot corrode and is backed by 15 Year Warranty
- 2 - Lightweight and Heavy Duty: Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.
- 3 - Leak Proof Sump: Molded as Unitary (One-Piece) Structure that has no joints to leak or require recalling and sealing
- 4 - Water Distribution System: Self-propelled multiple PVC rotating arm system evenly distributes the water
- 5 - Drift Eliminator: Polyethylene drift eliminators prevent water droplets from leaving the tower
- 6 - Fill Material: high efficiency spiral wound PVC cellular design for maximum cooling
- 7 - Direct Drive Air Moving System: Totally enclosed PVC rated cooling tower motor powers fiber-reinforced polypropylene axial propeller fan.

Drawing & IOM

[Paragon Manual PDF](#)

[Paragon Specification PDF](#)

[T-55 I & T-70 I & T-85 I Assembly PDF](#)

[T-100 I & T-125 I Assembly PDF](#)

[T-55 I Through T-125 I Layout PDF](#)

[T-150 I & T-175 I Assembly PDF](#)

[T-150 I & T-175 I Layout PDF](#)

[T-200 I & T-250 I Assembly PDF](#)

[T-200 I & T-250 I Layout PDF](#)