

VTECT-ID2000 Portable Cooling Tower

The VTECT-ID2000...

Setting the standard in portable cooling towers

The VTECT-ID2000 is nominally rated at 2000 tons. Each unit is able to process up to 7000gpm of cooling water and can easily be configured for multiple unit installations. From providing chiller condenser water to supplemental process cooling water capacity, the VTECT-ID2000 has quickly become a staple solution to cooling water limitations. All units in the VTECT-ID family are suitable for use in Class I, Division II areas.

We also offer complete application engineering, design and installation services, along with critical support accessories, including pumps, manifolds, as well as steel and PVC Piping.

Product Benefits

- **Direct Drive Fans** – Units have 20 direct drive fans that have unmatched reliability by eliminating the need for gear boxes, pulleys, and belts.
- **Automatic Temperature Control** – Custom PLC's enable our ability to maintain temperature tolerances.
- **Enclosed Fan Motors** – Prevent water penetration, extend motor life and performance.
- **Superior Components** – Stainless steel, fiberglass and PVC provide unmatched corrosion control.

Other Unique Benefits

- Self-leveling capability allows faster set-up with little or no site preparation.
- Continuously welded seams prevent water penetration, extending unit life and performance.
- Expandable air inlet technology allows units to be transported at legal height and then easily expanded on site to maximize cooling capacity.
- Units are designed to be loaded and positioned at customer facilities without use of a crane or a forklift.
- Units are transportable on a single, permitted truckload for reduced shipping time and cost.

Typical Applications

Planned Outages:

When operations are shut down to implement improvements and perform maintenance, temporary cooling towers and pumps can maintain cooling for critical areas of the process that must remain operational.

Emergency Cooling:

Unforeseen events can leave critical cooling systems inoperable. Temporary cooling towers can be mobilized to quickly restore operations, resulting in reduced downtime.



Contingency Planning:

Varitech can offer contingency planning services to formulate a customized emergency response procedure.

Supplemental Cooling:

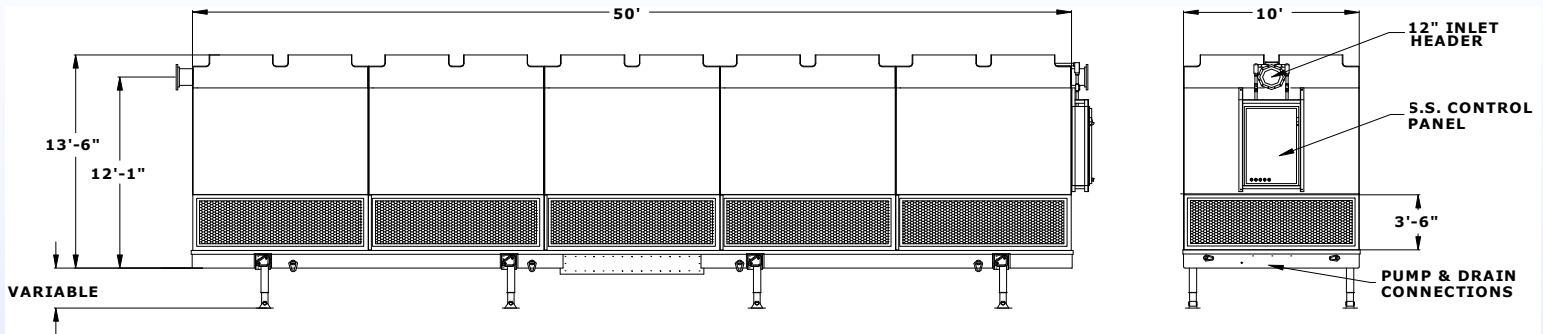
Inadequate cooling water supplies often can curtail productivity. The use of temporary cooling can maximize your operational capabilities without the need for capital investment.

Environmental Compliance:

Existing cooling systems are sometimes not capable of meeting changing regulatory requirements. Our unique cooling systems offer a wide variety of innovative solutions to help maintain compliance and avoid possible penalties and loss of production.

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24/7/365 Response ... 800.445.6085



Equipment Description

Our portable cooling towers are designed and manufactured to provide the maximum cooling possible while maintaining easy portability. These units are completely self-contained and can be up and running within hours of arriving on the job site. If needed, portable pumping units and reservoir tanks can also be provided.

Mechanical Connections

Inlet (Hot Water)	1 – 12" Dia., Flg.
Outlet (Cold Water) Up to	4 – 12" Dia., Flg.
Make-up Water	2 – 2" Dia., Flg.
Overflow	2 – 3" Dia., FPT/Man.
Chemical (Optional)	1 – 2" Dia., FPT/Man.

Physical Data

Model	VTECT-ID2000
Length	50'
Width	10'
Max. Height	13' -6"
Shipping Weight	46,000 lbs.
Operating Weight	75,000 lbs.
Design Flow Range	3,000-7,000 GPM

For process applications, Btu's/hour vary, depending on operating conditions such as wet bulb temperature, approach temperature and range. For more information, please contact Varitech Equipment Company 24/7 at **800.445.6085**.

Electrical

Motors	20 – 10 HP
Total HP/F.L. Amps	200/280
Phase/Hz/Volts	3/60/460
Enclosure	TEAO
Speed	1200 RPM
Frame	256T

Materials/Construction

Basin	Steel w/ continuously welded seams, marine epoxy and urethane lining.
Structure	FRP with ultraviolet inhibitors and fire retardant additives.
Mounting Brackets	Stainless steel/FRP
Fans	Four fans per cell. Fixed blade aluminum or variable pitch fiberglass.
Electrical Classification	NEMA 4X - Class I, Div II capable starter panel, fittings and TEAO motors.
Water Distribution	Enclosed PVC/FRP header system with polypropylene clog-resistant nozzles.
Heat Transfer Media	High efficiency/low fouling combination PVC cellular sheet.
Fill Supports	FRP structure with stainless steel support clips.
Drift Eliminators	High efficiency PVC cellular sheet.