Custom Cooling Towers

YWCT
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About YWCT

YWCT has been planning and manufacturing cooling towers for more than 44 years. During this period, YWCT has established its reputation as a credible professional cooling tower supplier to the industrial market. At YWCT, you'll find a combination of theoretical engineering and practical know-how regarding cooling towers.

YWCT's flexibility and credibility make it the perfect supplier for leading engineering companies and turnkey contractors. In YWCT, such companies have a long-term partner on which they can rely and with whom they can consult; a partner who meets the high standards of their end users; and that takes into account not only the obvious considerations of price and capacity, but also the operational aspects and usability of its products. At YWCT, we meet or surpass the highest standards of the industry.

Why choose YWCT as your cooling tower supplier?

- **Engineering:** A tailor-made solution is customized to fit the local environment, space, and design conditions of every project. Detailed design in CAD format is generated in 2D or 3D.
- **Widest portfolio:** YWCT's portfolio includes practically all types of cooling towers which makes it a one-stop shop
- **Consulting with an expert:** At YWCT you'll find an expert who is willing to listen to your requirements, help you analyze the design conditions, present you with the feasible options, support you through the specification process, and provide you with a budget estimate.
- **Best of Breed:** At YWCT we work exclusively with leading manufacturers of cooling tower parts. We fit the best-suited equipment to every project.
- **Our field assembly teams:** In order to provide you with an end-to-end solution, we offer the services of our field assembly teams, which fly to the job site to install and furnish the cooling towers we sell.
- **Best Value** - We cut the distributor out of the supply chain, enabling us to offer you a quality product at a competitive price
- **Quality and Safety:** Quality and safety are our prime concerns. YWCT is certified for ISO 9001 2000, and we work closely with the Israel Institute of Occupational Safety and Hygiene (IIOSH). As a Cooling Technology Institute (CTI) member, YWCT constantly updates and improves its products to meet or surpass the highest standards of the industry.

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Field-Assembled Pultruded FRP Cooling Towers

FRPP series

YWCT's FRPPs are induced-draft cooling towers made of FRP. The structure of our FRPP series is made up of composite-continuous fiberglass pultruded sections that comply with CTI's STD-37 and conform to the ASTM E84D with a flame spread rating of below 25. In most cases, these cooling towers are to be positioned over a concrete basin. The size of a single cell ranges from 5m x 5m (about 2.5 million kcal) to 15m x 15m (about 25 million kcal). Pultruded FRP cooling towers have become an alternative solution to traditional concrete cooling towers, since in many cases they cost less and their erection time is much shorter than that of cooling towers made entirely of concrete. In addition, Pultruded FRP towers have superior corrosion resistance in many cases.

Type	Counter Flow
Fabrication	Field Assembled
Infrastructure	Pultruded FRP
Casing	Pultruded FRP
Air Flow	Counter flow
Fan type	Induced Draft
Capacity	2,000,000-20,000,000 kcal/hr. per cell
Water Flow	400 m^3/hr - 4000 m^3/hr per cell
Industries	Chemicals, Semiconductors, Power, Oil refinery, HVAC, Pharmaceutical

Field-Assembled Concrete Cooling Towers

CING series

YWCT's CINGs are counterflow-induced draft cooling towers made of concrete and designed for heavy industrial applications. YWCT provides its customers with scale drawings of the concrete cement structure, including locations and production drawings of all pipe fittings in 2D or 3D. The size of a single cell ranges from 6m x 6m (about 3.5 million kcal) to 15m x 15m (about 25 million kcal).

Choosing a concrete structure ensures the end user the longest product life for the cooling tower, and may be the least costly solution for certain customers who already work with a concrete contractor, particularly in locales where labor is less costly.

Type	Counter Flow
Fabrication	Field Assembled
Infrastructure	Concrete cement
Casing	Concrete cement
Air Flow	Counter flow
Fan type	Induced Draft
Capacity	2,000,000-20,000,000 kcal/hr. per cell
Water Flow	400 m^3/hr - 4000 m^3/hr per cell
Industries	Oil and Gas, Chemicals, Power, Oil refinery, HVAC, Pulp and Paper

Factory-Made Cooling Towers

P series - This built-to-last series suits all industrial applications. The unique design of this FRP tower gives this steel-free structure its strength. The P series is factory-fabricated and shipped to the job site as two easily assembled modules.

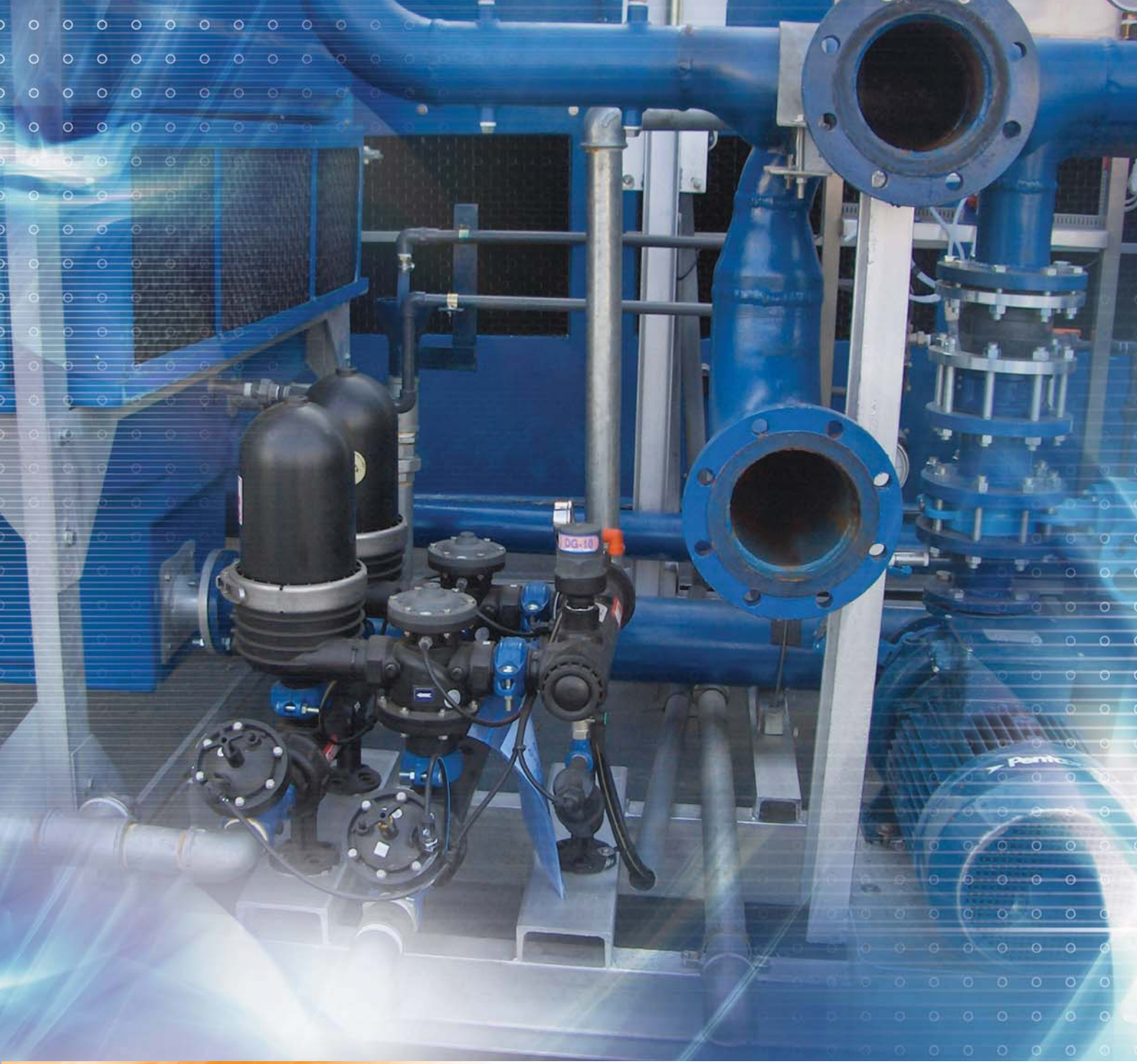
PIRG/D series - Premium crossflow series designed for harsh weather conditions or corrosive environments. PIRG/D is built for easy maintenance at low cost, making this heavy-duty series perfect for the industrial market. Its forced-draft appearance also makes this low-profile cooling tower perfect for height-limited installations.

SIND - The SIND series, made of HDG steel-coated with protective paint, is designed to minimize costs and maximize cooling performance through quick, easy installation and low-maintenance operation. SIND's small footprint is ideal for installations wherein space is limited.

PING/D - Premium series designed for harsh weather conditions. Combination of FRP and stainless steel maximizes capacity with minimum footprint. Designed for easy installation on site.

Degasifiers and Air Strippers

Degasifiers and air strippers made of cylinder FRP or concrete cement tanks. Typical gases to be removed are SO_2, H_2S, SO_3 and CO_2 . YWCT's Air Strippers are custom designed up to 14m diameter and flow of 10,000 m^3/hr.



Plug & Play Cooling towers

In many cases, integrating a cooling tower with its complement subsystems requires more planning and attention than does the specification process of the cooling tower itself. Detecting a need in the market, YWCT marketing personnel have devised an end-to-end solution to this problem: a skid-mounted plugNplay system that includes-in addition to cooling towers-other components such as pumps, heat exchangers, automatic filters, and water treatment and bleeding systems. Furthermore, a standard skid is designed for shipping in ordinary containers to the required location.

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