

JUMBOTRON RADIATOR

60°C HIGH-AMBIENT TEMPERATURE SERIES

ASSEMBLED & TESTED IN KSA

 f-e-t.com/GHT



FORUM ENERGY TECHNOLOGIES and CORE SOLUTIONS FOR PETROLEUM PRODUCTS LLC ANNOUNCE STRATEGIC PARTNERSHIP

Houston, TX – July 24, 2024

Forum Energy Technologies' Global Heat Transfer (GHT) division is pleased to announce its partnership with the Core Solutions for Petroleum Products LLC (CORE), a Zahid Group Company in the Kingdom of Saudi Arabia.

CORE is pivotal in supporting the Well Service and wider Oil and Gas industries in KSA by localizing the manufacture, supply, and aftermarket services for critical oil field equipment.

Through this collaboration, CORE will market, deliver, and provide after-sales care for GHT's Jumbotron Cooling Solutions, manufactured locally in Saudi Arabia. This initiative supports the Kingdom's goal of building a sustainable, localized manufacturing sector. With its expertise in manufacturing and servicing oil field equipment, CORE will act as an authorized distributor for GHT's Jumbotron radiators, providing value to customers in the oil and gas sector.

"Saudi Arabia faces some of the most extreme ambient temperatures globally," notes Robbie Pond, General Manager of CORE. "Our partnership with FET brings world-class cooling solutions to the local market."

John Reynolds, GHT's Senior Manager of Sales & Business Development, emphasizes the significance of cooling equipment in the challenging Saudi Arabian climate. "CORE's expertise will allow us to create custom cooling solutions that withstand peak ambient temperatures and reduce end-user maintenance costs."

"GHT's Jumbotron radiators set the standard and are the market-leading cooling solution," adds Pond. "These products will help our regional customers maintain higher operational efficiencies while reducing downtime. This agreement further supports CORE's mission of localizing Well Services equipment in line with IKTV and the Kingdom's Vision 2030 strategies."





KSA is one of the world's most extreme high-temperature operating environments and requires robust cooling systems to handle oil and gas production operating in these extreme conditions.

GHT has developed a series of radiators with a 60°C ambient rating that is field serviceable to withstand the rigorous conditions that KSA experiences.

Additionally, these cooling systems are assembled locally in KSA, contributing to the Vision 2030 goal.

GHT JUMBOTRON SYSTEM

At FET's Global Heat Transfer (GHT), we take pride in designing and engineering modular cores that elevate end users' operational capabilities without compromising the performance for which our units are renowned.

Thanks to direct input from our valued customers, we've developed **smaller cores** that allow for highly customized configurations based on specific applications.

Now, you can unlock peak performance with **GHT's modular core applications**. Our cores combine industry-leading heat transfer efficiency with streamlined installation, reducing your total cost of ownership. You gain uninterrupted uptime in the field while minimizing footprint and weight.

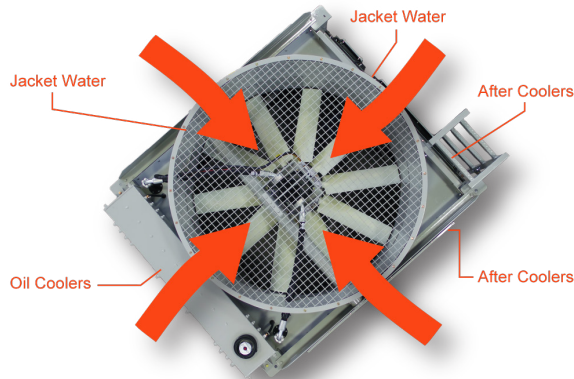
QUALITY AND SERVICEABILITY

Jumbotrons have demonstrated reliable performance in diverse climates, from the frigid Canadian Arctic to the scorching Texas heat. Since 2009, we have undertaken five major redesigns to enhance quality and longevity.

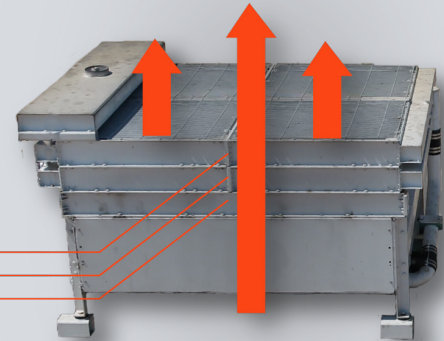
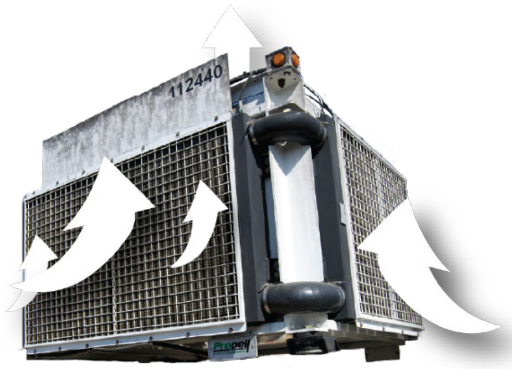
Our units are designed for easy servicing, whether on-site or in the shop. Cleaning can be performed directly on the unit without removing or disconnecting any components.

The Jumbotron Difference

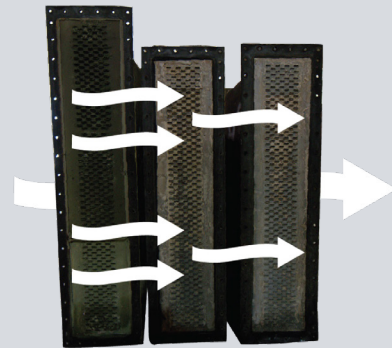
- > **Patented Cooler Isolation Mounts:** Allow coolers to float within the steel frame, reducing wear and tear.
- > **Patented Airflow Improvement Kit:** Boosts airflow by up to 20%, enhancing ambient cooling capacity.
- > **Patented Noise Reduction Technology:** Minimizes operational noise for a quieter experience.
- > **Hydraulic Installation Kit:** This kit features an upgraded proprietary hydraulic motor with an L10 bearing life of 42,500 hours, an anti-cavitation valve, a flushing valve, and all hydraulic hoses installed and routed to the bottom of the Jumbotron for easy installation.
- > **Cooler Ports:** Located at the bottom of the Jumbotron for quick and simple connection and disconnection.
- > **Ladder Option:** Available for added convenience.
- > **Access Panel:** Can be installed in multiple locations on the floor for flexible access.
- > **Patented Motor Mount Design:** Ensures optimal stability and performance.
- > **New Expansion Tank Design:** Improves system efficiency.
- > **Individual Cooler Removal:** Each cooler can be removed from the frame without detaching other components. In contrast, a horizontal radiator must be drained, removed from the trailer, and disassembled into individual sections for replacement or cleaning.
- > **Single Jumbotron Footprint:** Compatible with all T2-T4 diesel, dual-fuel, and gas engines.



JUMBOTRON
25,000 CFM through 6"



HORIZONTAL
100,000 CFM through 30"



THE JUMBOTRON DIFFERENCE — A horizontal radiator blows 100,000 CFM through three sections up to 30" thick. A Jumbotron pulls 25,000 CFM from each of the four sides (100,000 total) through sections that are only 6" thick. The result? The Jumbotron uses 1/4 of the airflow through 1/5 of the thickness.

MAINTENANCE BENEFITS

A horizontal radiator consists of three sections stacked on top of each other. Cleaning requires a technician to pressure wash from either the top down or the bottom up. Unfortunately, this method pushes debris into the center of the radiator, where it accumulates until a failure occurs. When this happens, the only solution is to drain the radiator, remove it from the trailer, disassemble it into its sections, and power wash each section separately. After cleaning, the sections must be reassembled, reinstalled on the trailer, and refilled. This

entire process can take anywhere from 18 to 40 hours, depending on the technicians' experience.

In contrast, the Jumbotron Cube Radiator features an innovative design that allows it to be pressure washed from the outside in under an hour without needing to be removed from the trailer. This quick and easy cleaning process significantly reduces downtime and maintenance costs and is a substantial improvement over traditional horizontal radiators.

- » Rated for 60°C ambient temperature.
- » Air Flow Improvement Kit boosts efficiency and reduces fan speed for better sound attenuation.
- » Patent-pending Cooler Isolation Mounts allow coolers to float in the steel frame.
- » An optional patent-pending Noise Reduction Kit is available.
- » Hydraulic Installation Kit includes an upgraded motor with a 42,500-hour lifespan, an anti-cavitation valve, a flushing valve, and pre-installed hydraulic hoses for easy installation.
- » All cooler ports are located at the bottom for quicker, simpler, and safer maintenance.
- » Unlike horizontal radiators, you can remove each Jumbotron cooler individually without disassembling the entire frame.



GHT: YOUR TRUSTED COOLING SOLUTION

With over 40 years of experience, GHT stands at the forefront of designing and delivering cutting-edge cooling solutions to clients worldwide.

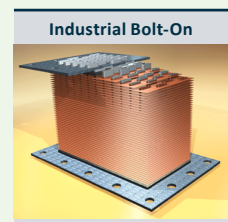
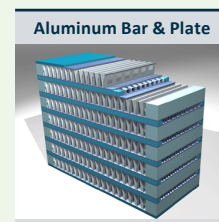
As the leading OEM cooling solutions provider, we cater to diverse applications, including:

- Oil and Gas/Energy (Onshore & Offshore)
- Power Generation
- Gas Compression
- Mining

Our comprehensive cooling solutions cover a broad spectrum, including:

- Jumbotron
- Industrial Radiators and Coolers
- Repair and Maintenance Services

We offer several different core types depending on the specific application:



Why Choose GHT?

Whether your priorities lie in weight optimization, compact size, enhanced performance, field serviceability, or cost-effectiveness, we've got you covered. We tailor our solutions to your specific needs. Explore the applications we serve across the globe and discover why GHT is your trusted partner for all things cooling.

OUR CORE VALUES

No One Gets Hurt

The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.

Integrity

In everything we do, in every interaction, both internally and externally, we strive to operate with the utmost integrity and mutual respect.

Customer Focused

Our products enhance our customer's performance and we listen to their needs and work with them to solve their challenges.

Good Place To Work

We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.



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