

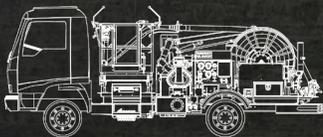
Fueling Global Aviation since 1972



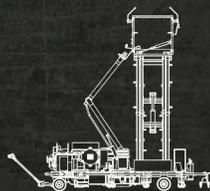
TM

FUELING SYSTEMS

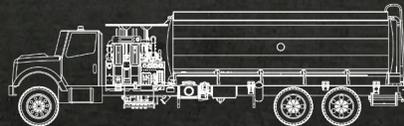
RELIABILITY | SUPPORT | DELIVERY™



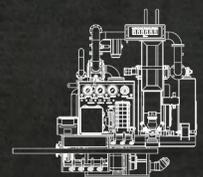
HYDRANT DISPENSERS



HYDRANT CARTS



AVIATION REFUELERS



REFUELING MODULES

BETA Fueling Systems

Fueling global aviation since 1972



For more than 40 years, BETA Fueling Systems has led the aviation industry in the manufacture of safe, reliable refueling equipment – serving the world’s most demanding military and commercial aviation customers with excellence. Every unit we manufacture begins with a complete understanding of the technical requirements, operational objectives and delivery expectations that are mission-critical to our customers’ success. Our LEAN cellular manufacturing processes ensure adherence to high standards and result in a final product built with engineered precision and delivered on time under the most demanding requirements.

From hydrant dispensing equipment to aviation refueling modules and fuel filter vessels, BETA provides the best overall value, consistently exceeding customer expectations.



BETA has thousands of aviation refueling units in service today in more than 30 countries around the world. No other manufacturer has this level of global experience and proficiency in building to international fueling specifications.



“WE MANUFACTURE OVER 70 PERCENT OF THE CONTENT ON THE EQUIPMENT WE PROVIDE. NO COMPETITOR COMES CLOSE.”

- BRYAN TROGDON, VICE PRESIDENT OF OPERATIONS, BETA FUELING SYSTEMS

“BETA delivered in full and on schedule against an extremely aggressive delivery plan that was essential to success of Delta’s recent operational expansion.”

- OLEN BENNETT, STRATEGIC SOURCING MANAGER, DELTA AIRLINES



RELIABILITY | SUPPORT | DELIVERY™

BETA is committed to meeting our customers' most critical needs. From engineering to fabrication, and final assembly to green-tag validation, every person and process in our business is measured and held accountable to the three critical factors: **RELIABILITY OF OUR PRODUCTS; TECHNICAL SUPPORT WHEN IT MATTERS MOST** and **MEETING OUR COMMITMENTS WITH ON-TIME DELIVERY**. This is *The BETA Way*.

"Our equipment is the point where our customers' fuel turns into profit. Without reliable and properly supported equipment – delivered on time – our customers can't make money. Ensuring equipment uptime is our job number one. We consider the customer as our partner in business. What is important to them is most important to us – this is the BETA Way."

- JON DELINE, PRESIDENT AND CEO, BETA FUELING SYSTEMS



Hydrant Dispensers



Reliable and Efficient Designs

BETA Fueling Systems is a global leader in the design and manufacture of aviation fueling hydrant equipment. With hundreds of units currently in service at major airports around the globe, BETA hydrant dispensers perform reliably for the world's most demanding oil companies, airlines and aviation fueling companies.



800 GPM Hydrant Dispensers

BETA's 800 GPM Hydrant Dispensers are designed for reliable and efficient dispensing of fuel to America's busiest airports.



1000 GPM Hydrant Dispensers (NOC)

Our 1000 GPM design for National Oil Companies (NOC) around the globe meet JIG standards and customer-specific design requirements.



1000 GPM Dispensers (MOC)

BETA's 1000 GPM MOC Hydrant Dispensers are specifically designed for Major Oil Companies (MOC) with global operations.

Hydrant Carts



Keeping it Simple and Reliable

For more than 40 years, BETA has been a leader in reliable, cost-effective fueling innovations. Our latest high-flow, self-propelled hydrant carts and towable narrow-body carts are easy to operate, and reliable in extreme climates. It's no wonder they are the equipment of choice in the world's busiest airports.



450 GPM Towable Carts

Towable, solar-powered BETA carts are ideal for operations requiring quick gate turns and cost-efficient refueling of narrow body aircraft with the industry's highest flow rates.



800 GPM Wide-Body Carts

BETA's self-propelled hydrant carts are the most cost-effective solutions for fueling wide-body aircraft. Safely delivering fuel from a raised fueling platform or ground reel, the WBC800 is ideal for fueling aircraft of all sizes.



1000 GPM Wide-Body Carts

The WBC1000 hydrant cart is specially designed for fueling the largest aircraft in the world. Delivering 1000 GPM from a 4.2m fueling platform, no hydrant cart in the world can match its flow rate and efficiency.

Refueling Modules



Refueler and Hydrant Dispenser Modules for Global Integration

BETA has pioneered the design and manufacture of refueling modules (for aviation refuelers and hydrant dispensers) for in-country integration by our accredited assembly partners in distant regions. Designed for nearly turn-key integration, BETA refueling modules are capable of flow rates up to 600 GPM (2,300 LPM) and dispenser modules up to 1000 GPM (3800 LPM).

BETA's proprietary training and certification program ensures our partners have all the tools and capabilities to deliver and commission finished equipment to their local customers as if it came from the BETA factory in its entirety. This relationship allows our partners to quickly adjust to local demand.

Absolute commitment to reliability, support, and delivery is the common thread between BETA and our accredited global partners.

50 GPM Avgas Refueler Modules

Delivers up to 50 GPM (190 LPM) flow rates with single reel and overwing nozzle for general aviation avgas refueling trucks.

300 GPM Jet Refueler Modules

Delivers up to 300 GPM (1135 LPM) flow rates with single underwing reel and nozzle or dual underwing/overwing reels. Optimal for use with 3,000 to 5,000 gallon refuelers. Designed for commercial or military aviation use.

450 GPM Avgas Refueler Modules

Delivers up to 450 GPM (1700 LPM) flow rates with single underwing reel and nozzle or dual underwing/overwing reels. Optimal for use with 3,000 to 7,000 gallon refuelers. Designed for commercial or military aviation use.

1000 GPM Hydrant Dispenser Modules

Delivers up to 1000 GPM (3800 LPM) flow rates with 4.2 m lift platform for airports with underground hydrant systems and fueling aircraft up to the A380.



Chassis, Tank and Module Integration

Global partners can integrate BETA modules with locally sourced tank and chassis to serve in-country oil companies and airlines. This reduces cost and adds jobs to local economies.

Refueling Trucks

Modular design provides long-term flexibility

The customer's long-term investment is foremost on the minds of BETA engineers. BETA's proprietary modular design provides ultimate flexibility in chassis selection while providing true build-to-spec conformity and eliminating build-to-build variability.

No longer will a 10-year service life on a chassis dictate the service life of your fueling equipment. With an effective, useful life of over two decades, the BETA fueling module is designed to easily transfer to a new chassis when the original chassis expires, extending two thirds of the investment an additional 10 years.



Avgas Refueler Trucks

50 GPM (190 LPM) flow rates are optimal for use with 750 to 1000 Gallon (3800 L) avgas trucks.

Jet Refueler Trucks

300 GPM (1135 LPM) flow rates are optimal for use with 1000 Gallon (3800 L) to 7,000 Gallon (26,600 L) refuelers.

Jet Refueling Tankers

600 GPM (2280 LPM) flow rates are optimal for use on 10,000 gallon (40 KL) tank trucks.

BETA Refueling Trucks meet NFPA 407 and ATA 103 guidelines as well as DOT 406 and JIG where required.



Military Refueling

*Serving the US and Foreign
Ally Militaries since 1972*

BETA proudly serves our military with mission-critical fueling equipment, allowing our servicemen and women to safely and effectively complete their missions. From multi-aircraft fueling units to filter-water separators, BETA's defense equipment has proven reliable in the harshest of conditions.



Multi-Aircraft Servicing Cart

Manufactured for the U.S. Air Force, an integral part of the FORCE program, the R-20 unit delivers up to 550 GPM through two nozzles to two aircraft simultaneously.



1200 GPM Fuel Filtration Cart

The R-19 fuel filtration cart combines with the R-20 unit to provide up to 1200 GPM of clean fuel to the most valuable aviation assets of the U.S. Air Force.



1000 GPM Hydrant Dispenser

The HSV is capable of servicing aircraft from a Type III Hydrant System, utilizing ground servicing hoses at a rate of 750 gallons per minute or lift platform hoses at a maximum rate of 1,000 GPM.



Filtration



Fuel Filtration Vessels

BETA is an ASME U-stamp certified manufacturing facility approved to manufacture and validate fuel filtration vessels for use in global aviation. BETA's aluminum and stainless steel vessels eliminate the risk of internal epoxy damage that commonly occurs in the field with carbon steel vessels. Our aluminum vessels are lighter weight and ideal for any mobile fueling application.

BETA is the only commercial aviation refueling vehicle manufacturer certified to manufacture code-stamped vessels. BETA also carries additional certifications including R-stamp for refurbishment and repair inhouse or infield. We are a preferred licensed manufacturer of Parker Velcon aluminum vessels for their global network.

From 50 GPM to over 1200 GPM flow rates, BETA is capable of manufacturing a full range of designs and performance requirements to ensure your fuel is clean and dry.



Filter / Water Separators

Filter/water separators are two-stage filter vessels designed to remove ultra-fine contamination and separate water from petroleum-based fuels.

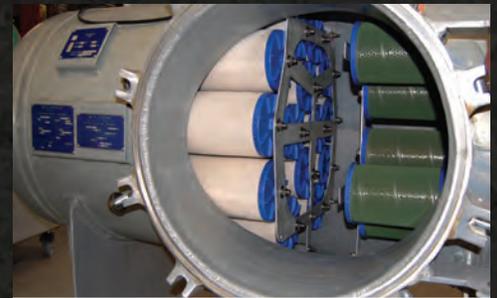
- Aluminum or stainless steel construction
- Qualified to 5th Edition of EI 1581
- EI 1596 Design & Construction
- Built to ASME Code, Section VIII, stamped and certified
- Easy to service/low maintenance



Monitor Filters

Filter/water monitors are single-stage filter vessels that absorb water and ultra-fine solids from aviation fuels and shuts the system flow if a slug of water is present.

- Qualified to 6th Edition of EI 1583
- Aluminium or stainless steel construction
- EI 1596 Design & Construction
- Built to ASME Code, Section VIII, stamped and certified
- Easy to service/low maintenance



Filter Cartridges / Elements

BETA provides a complete line of cartridges and filter elements qualified to the latest EI 1581 certification for use in filter/water separators.

All filter monitor cartridges are qualified to the EI filter monitor specifications.

This family of cartridges provides optimum filtration performance when used in Velcon filter vessels or in vessels manufactured by Facet or Faudi.

Systems and Components

We provide a full range of aviation fueling systems and components.
Trust BETA to provide replacement parts when you need them the most.

We manufacture over 70% of the components on the equipment we provide and maintain a stock of common replacement components for immediate availability to our customers. Such replacement parts, as well as components manufactured by our leading component partners, are available through BETA's spare parts department or through global distribution partners as OEM replacements.

**FOR SPARE PARTS INQUIRIES,
CONTACT US AT:**

Email: Sales@betafueling.com
Phone: +1 336 342 0306

BETA manufactures a variety of fueling-related systems such as fueling ladders, filter vessels, lift platforms, relaxation chambers and more.

BETA Fueling Ladders

- Ultra-durable fueling ladders with under-wing nozzles for a full range of aircraft.
- Available in towable configuration



Common Replacement Parts

- Fueling nozzles and couplers
- Filter cartridges and elements
- Control valves
- Meters / registers
- Large digit displays
- Printers
- Bonding / grounding reels
- Hoses
- Gauges
- Deadman controls
- Pumps
- Venturi
- Control systems
- Swivel joints
- Interlock brackets and sensors
- Emergency / safety parts
- 1000's more available

OEM and Distribution Partnerships



BETA's commitment to **RELIABILITY, SUPPORT AND DELIVERY™** starts with our dedication to human resources and safety, and follows through engineering, manufacturing and quality assurance.



Human Resources / Safety

Our skilled workforce is comprised of local experts who take great pride in the products they produce and the support they provide.

We, in turn, take great pride in our employees and are committed to their professional development, success and well-being. Driven by a comprehensive Health, Safety, and Environmental program, we make every effort to ensure the continuous safety of our employees.

Engineering

BETA's engineering team has decades of experience in designing fueling systems for operational simplicity and long term reliability. Our development process engages with our customers throughout every build, focuses on their needs and supports them long after our product leaves the factory.



Operations / Manufacturing

Every operational metric at BETA is focused on improving product reliability, providing unparalleled support and meeting or exceeding our delivery commitments. We employ Lean Manufacturing tools and concepts including Kaizen Blitz, 5S, visual management and cellular manufacturing to achieve those metrics, and are passionate about attention to every detail on the products we make.

Quality / Reliability / Assurance

Every BETA product goes through rigorous stage-gate quality inspections after each phase of manufacturing. Each unit is then fully pre-commissioned in our new state-of-the-art flow testing lab, simulating real-world fueling scenarios, failure modes and corrective actions required to ensure maximum uptime in the field.



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