



AEF

A Performance Inflatables Company

Leading The Industry Since 1985



Who We Are

AEF-Performance, LLC (AEF) is a leading global manufacturer of high-quality products made from industrial coated fabrics, designed to meet rigorous military and industrial standards. As an ISO 9001:2015-certified company, AEF is committed to continuous innovation and improvement, resulting in proprietary designs that enhance the performance of our collapsible storage tanks. Our product offerings include a variety of collapsible fabric tank (CFT) designs for liquid containment, hovercraft skirt assemblies, and aircraft lift bags.

Industrial Coated Fabrics

AEF utilizes industrial-coated fabrics across all its products, incorporating high-strength, heavy-duty synthetic materials coated with natural rubber, neoprene, thermoplastic polyurethane, nitrile, or Hypalon. Our collapsible fabric tanks offer exceptional puncture and abrasion resistance, ensuring durability and minimal maintenance. Designed to perform in harsh and demanding environments, AEF products withstand temperatures ranging from -25°F to 160°F. With a diverse selection of specialized industrial coatings, our tanks provide superior performance and reliability compared to rigid alternatives.

We Offer Customization

AEF has a strong track record of consistently delivering products that meet and exceed customer demands. With our in-house engineering and design expertise, we offer a range of innovative solutions tailored to your unique challenges, including custom products for specialized applications and turnkey solutions designed to fit your specific needs.

Product	Page
Why Choose AEF	4
Collapsible Fabric Tanks	5
Collapsible TPU Fuel Tank	6
Collapsible Nitrile Fuel Tank	7
Collapsible TPU Water Tank	8
Onion Tank	9
FlexSS	10
Secondary Containment	11
Custom Turnkey Solutions	12
Oasis Liquid Distribution Tank	13
Tank In A Can	14
Power Auxiliary Kit	15
Drop Stitch	16
Modular Work Platform	17
Accessories	18
Clients & Partners	19

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*AEF's state of the art manufacturing facility
is located in Picayune, Mississippi, USA*



All AEF products are made in the United States and are tested prior to shipping.

Trusted By:



U.S. AIR FORCE



U.S. ARMY



Management System
ISO 9001:2015



www.tuv.com
ID 9108650777



AEF pioneered the production of the US Navy's LCAC hovercraft skirts made from natural rubber and neoprene.



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Why Choose AEF?

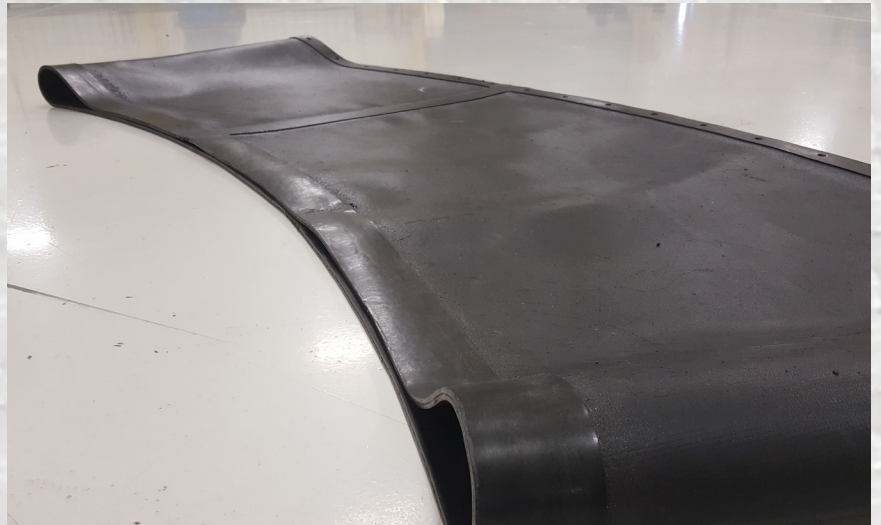
Our products are proudly made in the USA by skilled craftsmen, using high-quality industrial-coated fabrics that are lightweight yet highly resistant to punctures and abrasion. Every product undergoes rigorous testing before shipping to ensure compliance with all relevant standards. AEF also offers fully customizable solutions to meet unique customer requirements, including turnkey options for specialized applications. With a large inventory of materials, we ensure prompt delivery while passing cost savings on to our customers.

For over 30 years, AEF has specialized in the manufacturing of large industrial products for both military and commercial consumers. AEF pioneered the production of hovercraft skirts used for air cushion vehicles (ACV) such as the Navy's LCAC (see the photo on the front cover). These skirts are produced utilizing industrial coated fabrics consisting of natural rubber and neoprene coated nylon.

Tested



Durable



Trusted



Collapsible Fabric Tanks

Avon Engineered Fabrications, LLC offers a variety of collapsible fabric tank (CFT) designs for containing various liquids. In-house engineering and design capabilities allow AEF's collapsible tanks to be customizable based on customer requirements.

AEF provides two primary types of collapsible tanks: fuel and water. Designed for rapid deployment, our fuel tanks are ideal for storing gasoline, kerosene, sludge, and diesel in locations where establishing a fuel depot would be difficult, time-consuming, and costly.

AEF's water tanks are perfect for storing wastewater, potable water, fruit juices, and food-grade oils regardless of location.

Compared to rigid containers, AEF's fabric tanks require minimal maintenance, resist rust, and optimize storage space. Additionally, collapsible tanks provide a more cost-effective alternative to rigid tanks, delivering both efficiency and savings.



Fuel Tanks



Water Tanks



- AEF accessories can be fully customized to meet specific customer requirements.
- AEF strongly recommends using secondary containment with all fuel tanks for enhanced safety and compliance.
- AEF offers customized berm liners tailored to suit a wide range of applications.

Collapsible TPU Fuel Tanks



Benefits

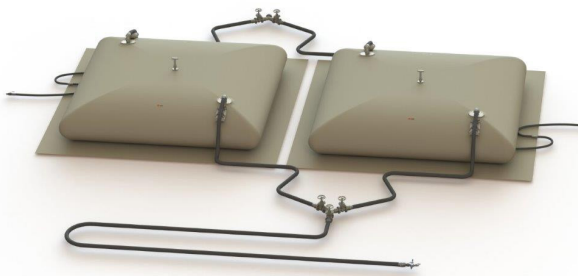
- Easily stored and transported / economical shipping
- Can be placed in areas with limited space
- Easy set up/tear down with limited personnel
- Closed flexible system takes the shape of the liquid's volume and does not rust or create any air space
- Designed to operate in various climate conditions
- Withstand temperature ranging from -25°F to 160°F

Information and Sizes

- Storage capacity: 1000 Gal to 300,000 Gal
- Shelf life of 10 years
- Expected service life of up to 3 years
- Tank can be relocated during service life
- Fabric:
 - Urethane-coated nylon - high strength and heavy duty
 - Puncture and abrasion resistance
 - UV Resistance (Desert Proven)
 - Thermally welded seams

Ideal for

- Industrial site temporary fuel storage
- Emergency and disaster response
- Military operations
- Remote locations
- Fuel farms



Fuel tanks can be used as a Power Unit Auxiliary Kit—a custom turnkey solution—designed to extend the runtime of existing power generators.

Application

- Gasoline (short term)
- Jet Fuel (JP)
- Heavy Fuel
- Kerosene
- Sludge/Bunker Fuel
- Diesel

Technical Information

Sizes	Footprint Dimensions	Packaged Dimensions (Crates)	Dry Weight	Fill/Discharge Fittings			Drain Fittings
	Length x Width	Length x Width x Height		2"	4"	6"	2"
1K	96in x 130in/2.44m x 3.30m	96in x 48in x 24in/2.44m x 1.22m x 0.61m	95 lbs	1			
3K	174in x 163in/4.42m x 4.14m	96in x 48in x 48in/2.44m x 1.22m x 1.22m	160 lbs	1			1
5K	192in x 195in/4.88m x 4.95m	96in x 60in x 48in/2.44m x 1.52m x 1.22m	195 lbs	1	1		1
10K	264in x 260in/6.71m x 6.60m	120in x 60in x 48in/3.05m x 1.52m x 1.22m	340 lbs	1	1		2
20K	334in x 325in/8.48m x 8.26m	125in x 60in x 48in/3.18m x 1.52m x 1.22m	500 lbs		2		2
50K	522in x 455in/13.26m x 11.56m	144in x 60in x 48in/3.66m x 1.52m x 1.22m	1,000 lbs		2		2
100K	626in x 650in/15.85m x 16.51m	144in x 96in x 48in/3.66m x 2.44m x 1.22m	1,710 lbs			4	4
150K	756in x 780in/19.20m x 19.81m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	2,420 lbs			4	4
210K	888in x 910in/22.56m x 23.11m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	3,245 lbs			4	4
300K	1086in x 1040in/27.56m x 26.42m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	4,460 lbs			4	4

Benefits

- Oil Resistance
- Easily stored and transported/economical shipping
- Can be placed in areas with limited space
- Easy set up/tear down with limited personnel
- Closed flexible system takes the shape of the liquid's volume and does not rust or create ullage
- Durable and reliable
- Withstand temperatures ranging from -25°F to 160°F
- Higher UV and abrasion resistance.

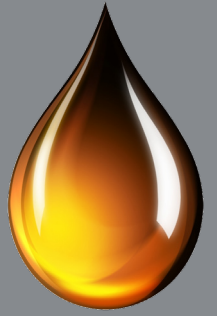
Information and Sizes

- Storage capacity: 1,000 Gal to 50,000 Gal
- Shelf life of 10 years
- Expected service life of 5+ years
- Tank can be relocated during service life
- Fabric:
 - Nitrile-coated nylon - high strength and heavy duty
 - Vulcanized seams
 - Superior puncture and abrasion resistance
 - UV Resistance (Desert Proven)



AEF highly recommends a secondary containment for all fuel tanks to provide added protection. We also offer customized berm liners tailored to meet specific customer applications.

Collapsible Nitrile Fuel Tanks



Application

- Transformer Oil (petrol based)
- Gasoline (Non-Ethanol)
- Tannic Acid
- Heavy Fuel
- White Oil
- Kerosene
- Fertilizer
- Alcohol
- Glycols
- Sugar
- Syrup
- Ethyl

Technical Information

Sizes	Unfolded Dimensions	Packaged Dimensions (crates)	Dry Weight	Fill/discharge Fittings		Drain Fitting
	Width x Length			2"	4"	2"
1K	96in x 130in/2.44m x 3.30m	96in x 48in x 24in/2.44m x 1.22m x 0.61m	95 lbs	1		
3K	174in x 163in/4.42m x 4.14m	96in x 48in x 48in/2.44m x 1.22m x 1.22m	160 lbs	1		
5K	192in x 195in/4.88m x 4.95m	96in x 60in x 48in/2.44m x 1.52m x 1.22m	195 lbs	1	1	1
10K	264in x 260in/6.71m x 6.60m	120in x 60in x 48in/3.05m x 1.52m x 1.22m	340 lbs	1	1	2
20K	334in x 325in/8.48m x 8.26m	125in x 60in x 48in/3.18m x 1.52m x 1.22m	500 lbs		2	2
50K	522in x 455in/13.26m x 11.56m	144in x 60in x 48in/3.66m x 1.52m x 1.22m	1,000 lbs		2	2

Collapsible TPU Water Tanks



Applications

- Food Grade Oils
- Potable Water
- Waste Water
- Black Water
- Gray Water
- Frac Water
- Fruit Juices

Ideal For

- Industrial site temporary water storage
- Emergency and disaster response
- Water treatment facilities
- Rain water harvesting
- Military operations
- Remote locations
- Mining operations
- Firefighting
- Agriculture

Benefits

- Potable water tanks are FDA compliant and can be NSF-61 complaint upon request
- Easily stored and transported / economical shipping
- Can be placed in areas with limited space
- Easy installation by unrolling and unfolding with limited personnel
- Withstand temperatures ranging from -25°F to 160°F
- Designed to operate in various climates and conditions
- Closed flexible system takes the shape of the liquid's volume and does not create any air space.

Information and Sizes

- Storage capacity: 1,000 Gal to 300,000 Gal
- Thermally welded seams
- Expected service life of up to 3 years
- Shelf life of 10 years
- Tank can be relocated during service life
- Fabric:
 - Urethane-coated nylon - high strength and heavy duty
 - Puncture and abrasion resistance
 - High UV Resistance (Desert Proven)
 - Innovative encapsulated edge technology
 - Wide range of weights and colors available

Technical Information

Sizes	Footprint Dimensions	Packaged Dimensions (Crates)	Dry Weight	Fill/Discharge Fittings			Drain Fittings
	Length x Width	Length x Width x Height		2"	4"	6"	2"
1K	96in x 130in/2.44m x 3.30m	96in x 48in x 24in/2.44m x 1.22m x 0.61m	95 lbs	1			
3K	174in x 163in/4.42m x 4.14m	96in x 48in x 48in/2.44m x 1.22m x 1.22m	160 lbs	1			1
5K	192in x 195in/4.88m x 4.95m	96in x 60in x 48in/2.44m x 1.52m x 1.22m	195 lbs	1	1		1
10K	264in x 260in/6.71m x 6.60m	120in x 60in x 48in/3.05m x 1.52m x 1.22m	340 lbs	1	1		2
20K	334in x 325in/8.48m x 8.26m	125in x 60in x 48in/3.18m x 1.52m x 1.22m	500 lbs		2		2
50K	522in x 455in/13.26m x 11.56m	144in x 60in x 48in/3.66m x 1.52m x 1.22m	1,000 lbs		2		2
100K	626in x 650in/15.85m x 16.51m	144in x 96in x 48in/3.66m x 2.44m x 1.22m	1,710 lbs			4	4
150K	756in x 780in/19.20m x 19.81m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	2,420 lbs			4	4
210K	888in x 910in/22.56m x 23.11m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	3,245 lbs			4	4
300K	1086in x 1040in/27.56m x 26.42m	192in x 84in x 60in/4.88m x 2.13m x 1.52m	4,460 lbs			4	4

Onion Tank

READY FOR DISASTER RELIEF

Applications

- Potable Water
- Waste Water
- Black Water
- Gray Water
- Frac Water

Benefits

- FDA compliant
- Limited space needed
- Can be used in remote locations
- Meets NSF/ANSI Standard 61 for potable water use
- Easy installation with limited personnel
- Designed to operate in various climate and conditions
- Easily stored and transported / economical shipping
- Self-supporting on slopes up to 10%
- Withstand temperatures ranging from -25°F to 160°F

Technical Information

- Storage Capacity: Up to 5,000 Gal
- Thermally welded seams
- Low maintenance required
- Easy to clean
- Expected service life of up to 3 years
- Shelf life of 10 years
- Tank can be relocated during service life
- Fabric:
 - Urethane-coated nylon - high strength and heavy duty
 - Puncture and abrasion resistance
 - High UV Resistance (Desert Proven)
 - Innovative encapsulated edge technology
 - Wide range of weights and colors

Custom sizes
available upon
request.

Ideal For

- Industrial site temporary water storage
- Emergency and disaster relief efforts
- Rain water harvesting
- Military operations
- Water recovery
- Remote areas
- Firefighting



AEF onion tanks deployed after
Hurricane Katrina



FlexSS being used to contain slop water at Southton Rail Yard in San Antonio, Texas

FLEXss is a newly developed fluid storage system that brings innovative technological advancements to the international petroleum industry, offering breakthroughs in water management, operational efficiency, and cost-effectiveness.

This tank is designed for multiple applications in petroleum refineries and chemical plants, providing a reliable storage solution for containing slop water with chemical impurities. FLEXss offers portability and efficient use of limited space, delivering significant advantages over traditional maintenance practices.

Applications

- Industrial Site Temporary Water Storage
- Emergency and Disaster Response
- Oil Spill Clean-Up Operations
- Petroleum Refineries
- Mining Operations
- Remote Locations

Benefits

- Easily stored and transported / economical shipping
- Suitable for gray water, black water, and a wide range of chemical solutions
- Capable of replacing slow and expensive tank truck operations
- Can be placed in areas with limited space
- Open top system takes the shape of the liquid's volume
- Easy installation by unrolling and unfolding with limited personnel
- Custom manufacturing available upon request
- Withstand temperatures ranging from -25°F to 160°F
- Designed to operate in various climates and conditions

Information and Sizes

- Storage capacity: up to 210,000 Gal
- Thermally welded seams
- Expected service life of up to 3 years
- Shelf life of 10 years
- Tank can be relocated during service life.
- Fabric:
 - Urethane-coated nylon - high strengths and heavy duty
 - Puncture and abrasion resistant
 - High UV Resistance (Desert Proven)
 - Innovative encapsulated edge technology
 - Wide range of weights and colors available

Secondary Containment

Berm liners are a simple, yet effective, solution for secondary containment. AEF's berm liners are easily deployed over earthen berms with little additional tools and hardware.

Benefits

- Fits easily under tanks, tents, and above ground pools
- Easily stored and transported / economical shipping
- Protects tanks from ground moisture, soiling, and wear
- Provides EPA &SPCC regulations compliance
- Creates a first layer of defense
- Extends the longevity of tank
- Light weight and easy set up
- Cost effective

Technical Information

- Size Range: 500 Gal - 300K Gal
- Color: Desert Tan (other colors available)
- Can be made to commercial or military specification
- Withstand temperatures ranging from -25°F to 160°F
- Designed to hold 1.5x main storage capacity of primary containers

Ideal For

- Emergency and disaster response
- Military and mining operations
- Remote locations
- Fuel farms

Berm Liner Technical Information		
Sizes	Fottprint Dimensions	Drain
	Length x Width	2"
1K	372in x 405.25in/9.45m x 10.29m	1
3K	444in x 443.25in/11.28m x 11.26m	1
5K	480in x 479.5in/12.19m x 12.18m	1
10K	630in x 628in/16.00m x 15.95m	2
20K	780in x 776.5in/19.81m x 19.72m	2
50K	942in x 888.75in/23.93m x 22.57m	2
100K	1104in x 1185.75in/28.06m x 30.12m	2
150K	1248in x 1260in/31.70m x 32.00m	2
210K	1368in x 1408.5in/34.75m x 35.78m	2
300K	1566in x 1557in/39.78m x 39.55m	2





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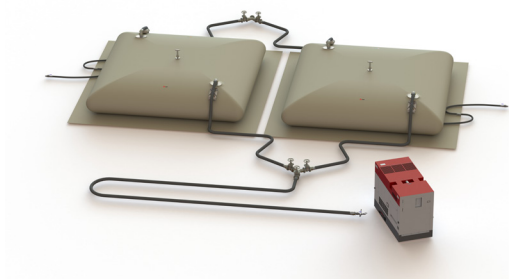


Oasis LDU serves as a temporary water source in times of crisis and is FDA compliant



Tank In A Can

Tank in a Can is a unique, self containing liquid storage and dispensing system that can be easily transported to any location.



Power Auxiliary Kit

The power auxiliary kit provides a continuous fuel source that can power generators during power outages.



Custom Turnkey Solutions

Avon Engineered Fabrications LLC offers a range of custom turnkey solutions designed to meet specific customer needs. These stand-alone units are versatile and can be deployed in various locations to provide temporary water or fuel sources for a wide range of situations.

The Oasis LDU is an ideal solution for providing a temporary clean water source, while the Tank in a Can LDU offers the perfect solution for a fuel source, regardless of location. The Power Auxiliary Kit ensures a continuous fuel supply to power generators during outages. Each custom turnkey solution is equipped with a collapsible fabric tank, designed to operate in various climates and conditions. These tanks are easy to install, even in areas with limited space, providing reliable and efficient performance.



AEF's pioneered joining technique eliminates leak paths and creates a stronger and more durable seam.

All of AEF's products are designed to perform in harsh and hostile environments and can withstand temperatures ranging from -25 F to 160 F.



Liquid Distribution Unit (LDU)



Units deployed for use by the Los Angeles Department of Water and Power (LADWP) to provide potable drinking water to its residents during an outage.

The Oasis Liquid Distribution Unit (LDU) is an economical stationary storage solution for potable water. With a capacity of up to 500 gallons, it minimizes water waste and can be transported directly to communities, providing convenient access to clean water for multiple users. The distribution tank features chemically and mechanically bonded fittings and can be equipped with up to 8 spigots, allowing for efficient water distribution to residents and reducing queuing time.

Technical Information

- Storage capacity: 500 Gal
- Thermally welded seams
- Fabric
 - Urethane-coated nylon - high strength and heavy duty
 - Puncture and abrasion resistance
 - High UV Resistance (Desert Proven)
 - Innovative encapsulated edge technology
- Shelf life of 10 years
- Tank can be relocated during service life

Ideal For

- Emergency municipal water supply
- Disaster relief
- Temporary water storage
- Water distribution

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The Tank In A Can is a unique, self-contained liquid storage and dispensing system designed for easy transportation to any location. Ideal as a temporary fuel storage solution, it efficiently supplies fuel to machinery and heavy equipment, eliminating the need for additional logistics. The system is fully equipped with all necessary components, securely stored within the drum, eliminating the need for a separate storage container.

Information and Sizes

- Storage capacity: up to 1,000 Gallons
- Limited storage space
- Stand-alone system
- Minimal operations
- Rapid deployment
- Shelf life of 10 years
- Expected service life of up to 3 years
- All components stored in 55 gallon drum

Ideal For

- Industrial site temporary fuel storage
- Emergency and disaster response
- Military operations
- Remote locations
- Instant fuel supply

Tank In A Can

Remote Liquid Dispensing Unit



Application

- Gasoline (short term)
- Heavy Fuel
- Beverages
- Kerosene
- JP Fuel
- Sludge
- Diesel
- Water
- Paint

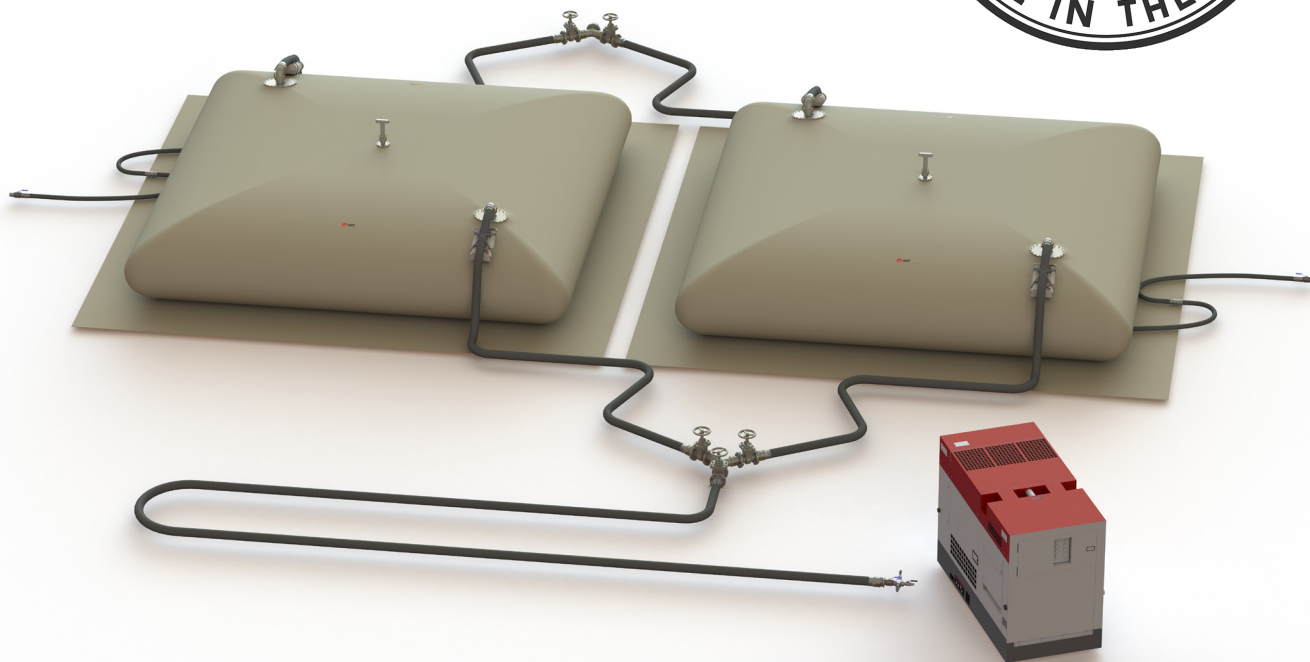


Management
System
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Power Unit Auxiliary Kit



The Power Unit Auxiliary Kit is a custom turnkey solution designed to continuously supply fuel to 800kW generators at Forward Operating Bases. Fully accessorized (excluding the generator), this kit extends the runtime of existing power generators. With a total combined volume of 20,000 gallons and dual reservoirs, it allows for maintenance and refueling during continuous operation. Originally developed for military use to support remote operation bases, customizable commercial options are now available to meet a wide range of public sector needs and services.

Information and Sizes

- Storage capacity: 1000 Gallons to 300,000 Gallons
- Shelf life of 10 years
- Expected service life of up to 3 years
- Tank can be relocated during service life
- Fabric:
 - Urethane-coated nylon - high strength and heavy duty
 - Puncture and abrasion resistance
 - UV Resistance (Desert Proven)
 - Thermally welded seams

Ideal For

Industrial site temporary fuel storage
Emergency and disaster response
Powering hospitals
Military operations
Remote locations
Fuel farms

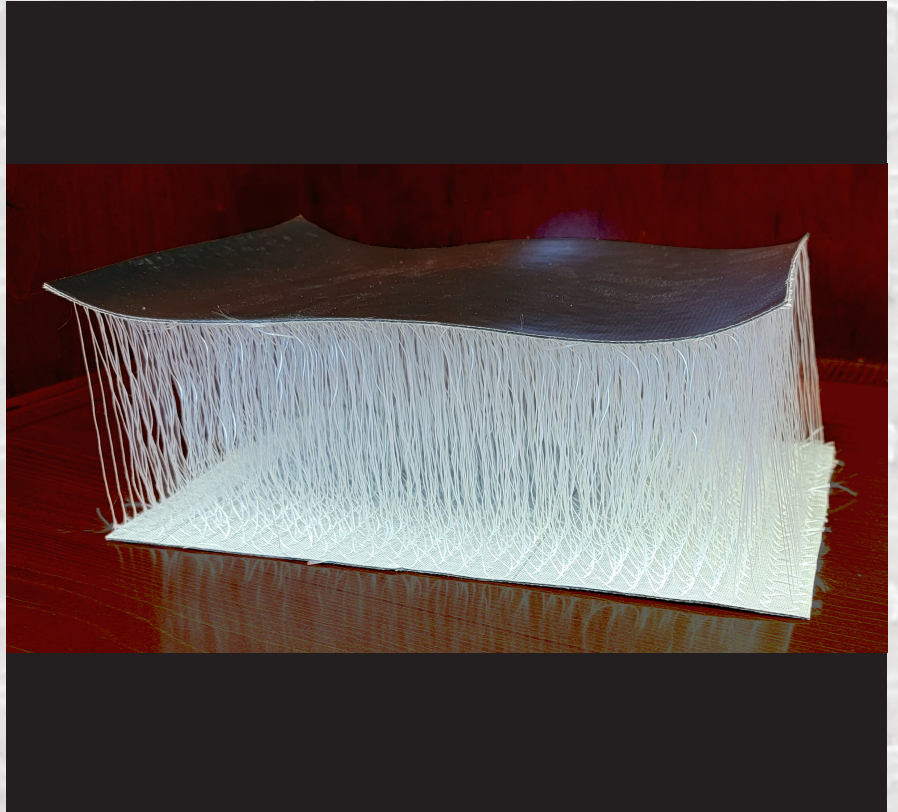


Developed from BEAR

Platforms can be arranged into any form to meet customer's requirements.



Drop Stitch



Drop stitch starts with combining two pieces of industrial coated fabrics woven with several thousand fine threads.

Drop Stitch is a high-tech material that enables AEF to create lightweight products that maintain a flat, rigid structure when inflated. Products made with drop stitch material are capable of lifting heavy equipment, floating on water, and providing structural support.

Using this innovative material, AEF offers products such as the Modular Work Platform (MWP) and Lift Bags. The MWP serves as a sturdy work surface in water environments, replacing large, bulky equipment like rafts and boats. It is customizable in height to meet specific requirements. AEF's Lift Bags can be arranged in various configurations to lift heavy loads with minimal effort.

Explore the endless possibilities of how drop stitch technology can address your most challenging tasks. Let AEF help you lift those heavy loads with ease.

Accessories can be customized and adjusted per your requirements.

Modular Work Platform

Ideal For

- Boat repairs
- Water rescue
- Working near docks
- Low clearance bridge inspections

Benefits

- Designed to withstand harsh marine (salt water) environment
- Can be arranged in multiple configurations with AEF's ARC system
- Easily stored and transported / economical shipping
- Can be used in situations where space is limited (low clearance bridge inspection)
- Easy one person installation
- Low maintenance and comes ready for use
- Continuous operating temperature: -25°F to 160°F
- Custom manufacturing on request

Information and Sizes

- Each module is capable of supporting up 800 lbs of equipment
- Up to 28 Sq. Ft of work surface per module
- Typical size L95" x W60" x H8"
- 3-7 PSI operating pressures
- Life expectancy of 20 years
- Fabric: Hypalon drop stitch- high strengths and heavy duty
 - Water resistance
 - Puncture and abrasion resistant
 - Fully vulcanized



Premium Vulcanized Rubber Product
Modular work platforms can be arranged in any form to fit your application.



Modular work platforms can be packed, stored and are easily transported.





AEF

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Accessories

AEF offers a wide range of accessories in order to provide end users a complete turnkey solution for custom requirements. Standard accessories shown below for common use of flexible containment bladders.



2" Hose With Flange



4" Hose



Ball Valve



4" Manway Access Port



Fittings



6" Gate Valve



Repair Kit

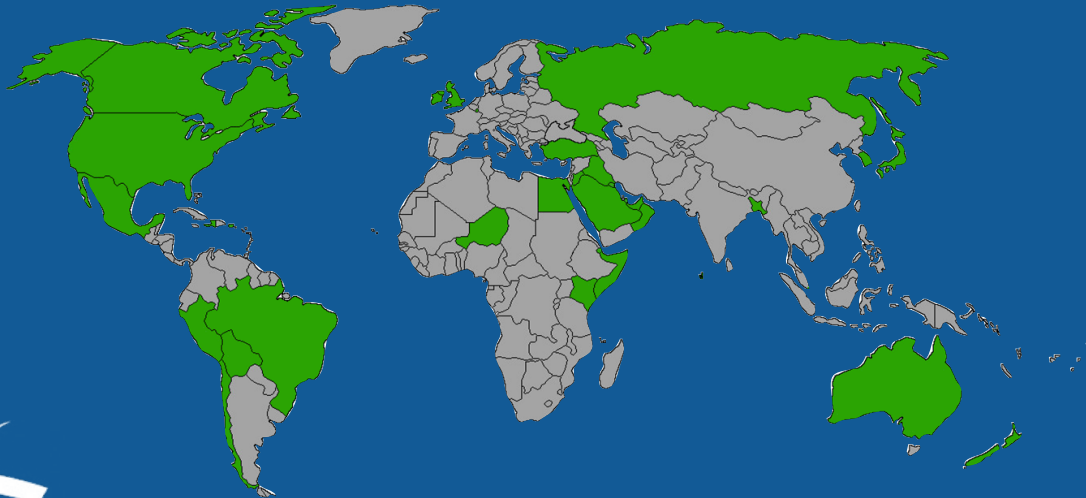


Double Outlet Vent



Elbow

Clients & Partners



AGE Logistics Corporation

Raytheon



U.S. AIR FORCE



NAVATEK



TEXTRON Systems





Avon Engineered Fabrications LLC is the world's leading producer of high-quality products made from industrial coated fabrics, designed to meet the needs of military and industrial consumers worldwide.

As an ISO 9001:2015 certified company, AEF is dedicated to its flexible storage tank program, driven by continuous innovation and improvements. This commitment has led to the development of proprietary designs that enhance the performance of our collapsible storage tanks.

AEF offers a variety of collapsible fabric tank (CFT) designs for liquid containment, as well as hovercraft skirt assemblies and aircraft lift bags. Each product undergoes rigorous testing before shipping to ensure the highest standards of quality and performance.



PERFORMANCE INFLATABLES

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