



authorized distributor

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800.289.7371 | [www.acterragroup.com](http://www.acterragroup.com)

# DEF STORAGE & DISPENSING EQUIPMENT



# MINI-BULK SYSTEMS



*These American made DEF Storage and Dispensing Systems are designed to easily integrate with fuel islands as well as your existing fuel management system. With 1,000's of these proven systems in the global marketplace today, Blue1USA is ready to assist you with any of your DEF storage and dispensing needs.*

*Meets ISO Standard 22241-3,4 for the Storage and Dispensing of DEF!*

Patent Pending

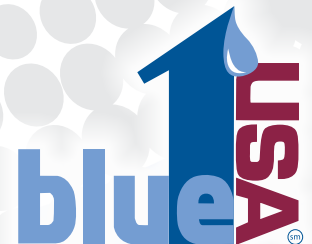


## KEY FEATURES:

- ◆ **Environmentally Safe**, 110% Secondary Containment
- ◆ Insulated with **Climatic Control** Options
- ◆ Capacity from **800 Gallons to 2,000 Gallons**
- ◆ **Turnkey System** for Quick & Cost Effective Installation
- ◆ **All Systems Meet ISO 22241-3,4 Standards** for the Storage and Dispensing of DEF
- ◆ Compatible with POS, **Card Readers** and **Fuel Management Systems**

## OPTIONS:

- ◆ **Thermostatically Controlled Heater**
- ◆ **Exhaust Fan** with timer
- ◆ **Leveling Frame**
- ◆ **Interstitial Leak Detection**
- ◆ **Automatic Overfill shut-off** Prevention Valve
- ◆ **Low level warning** indicator light





# COMMERCIAL MINI-BULK SYSTEM

800, 1000, & 2000 GALLON MODELS

## SIZES

- ◆ 800 Gallon
- ◆ 1000 Gallon
- ◆ 2000 Gallon

Dims: 48" w x 114" l x 99.5" h. Weight: Approx. 2100 lbs  
Dims: 58" w x 176" l x 88.5" h. Weight: Approx. 2600 lbs  
Dims: 72.5" w x 197" l x 88.5" h. Weight: Approx. 3600 lbs

## PRIMARY TANK

- ◆ Type
- ◆ Volume
- ◆ Material
- ◆ Sensor
- ◆ Digital display
- ◆ Overfill Alarm
- ◆ Filling connection

Single walled HDPE Horizontal.  
800, 1000, or 2000 Gallons  
High Density Polyethylene  
Over fill and level probe Endress + Hauser FMI21  
Endress + Hauser RIA 250  
Acoustic Horn with reset button  
2" dry break connection, max filling speed 125 Gal/min

## OPTIONS

### TANK/HOUSING

- ◆ Heater w/Thermostat
- ◆ Housing Exhaust Fan
- ◆ Overfill Prevention Valve
- ◆ Interstitial Leak Detection

Variable 1500-375 Watt, Fan Forced, UL listed with integral  
thermostatic control  
4.5" 115V, 35 CFM, with timer relay  
2" SS Ball valve with Viton Seals, actuated motor drive, 115V  
Endress+Hauser liquid sensor

### REMOTE MONITORING

Endress & Hauser Fieldgate FXA 320 AA4AB GSM  
Veeder Root Mag Probe .2 gph, 2" Float. Requires site controller.



COMMERCIAL



# REMOTE MINI-BULK SYSTEM

1000, & 2000 GALLON MODELS



## SIZES

- ◆ 1000 Gallon
- ◆ 2000 Gallon

Dims: 58" w x 176" l x 88.5" h. Weight: Approx. 2600 lbs  
Dims: 72.5" w x 197" l x 88.5" h. Weight: Approx. 3600 lbs

## PRIMARY TANK

- ◆ Type
- ◆ Volume
- ◆ Material
- ◆ Sensor
- ◆ Digital display
- ◆ Overfill Alarm
- ◆ Filling connection

Single walled HDPE Horizontal.  
1000, or 2000 Gallons  
High Density Polyethylene  
Over fill and level probe Endress + Hauser FMI21  
Endress + Hauser RIA 250  
Acoustic Horn with reset button  
2" dry break connection, max filling speed 125 Gal/min

## OPTIONS

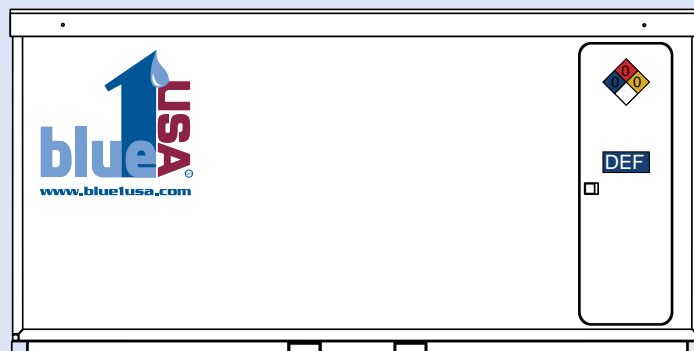
### TANK/HOUSING

- ◆ Heater w/Thermostat
- ◆ Housing Exhaust Fan
- ◆ Overfill Prevention Valve
- ◆ Product Filter
- ◆ Interstitial Leak Detection

Variable 1500-375 Watt, Fan Forced, UL listed with integral  
thermostatic control  
4.5" 115V, 35 CFM, with timer relay  
2" SS Ball valve with Viton Seals, actuated motor drive, 115V  
Polypropylene housing and cartridge filter. 1 micron  
Endress+Hauser liquid sensor

## REMOTE MONITORING

Endress & Hauser Fieldgate FXA 320 AA4AB GSM  
Veeder Root Mag Probe .2 gph, 2" Float. Requires site controller.



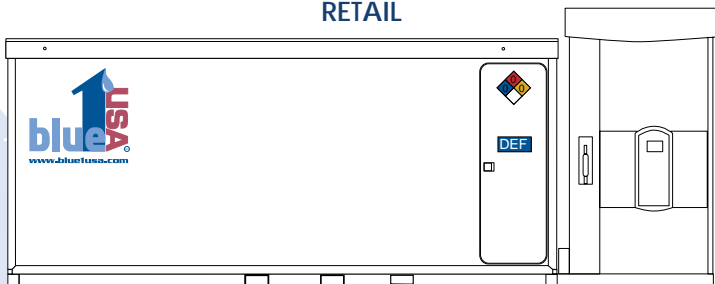
REMOTE

# RETAIL MINI-BULK SYSTEM

800, 1000, & 2000 GALLON MODELS



RETAIL



## SIZES

- ◆ 800 Gallon
- ◆ 1000 Gallon
- ◆ 2000 Gallon

Dims: 48" w x 173" l x 99.5" h. Weight: Approx. 2100 lbs

Dims: 58" w x 235" l x 88.5" h. Weight: Approx. 2600 lbs

Dims: 72" w x 256" l x 88.5" h. Weight: Approx. 3600 lbs

## PRIMARY TANK

- ◆ Type
- ◆ Volume
- ◆ Material
- ◆ Sensor
- ◆ Digital display
- ◆ Overfill Alarm
- ◆ Filling connection

Single walled HDPE Horizontal

800, 1000, or 2000 Gallons

High Density Polyethylene

Over fill and level probe Endress + Hauser FMI21

Endress + Hauser RIA 250

Acoustic Horn with reset button

2" dry break connection, max filling speed 125 Gal/min

## OPTIONS

### TANK/HOUSING

- ◆ Heater w/Thermostat
- ◆ Housing Exhaust Fan
- ◆ Overfill Prevention Valve
- ◆ Product Filter
- ◆ Interstitial Leak Detection

Variable 1500-375 Watt, Fan Forced, UL listed with integral thermostatic control

4.5" 115V, 35 CFM, with timer relay

2" SS Ball valve with Viton Seals, actuated motor drive, 115V

Polypropylene housing and cartridge filter .1 micron

Endress+Hauser liquid sensor

## REMOTE MONITORING

Endress & Hauser Fieldgate FXA 320 AA4AB GSM,

Veeder Root Mag Probe .2 gph,

2" Float. Requires site controller.



3883 Rogers Bridge Rd.  
#205-A  
Duluth, GA 30097

Phone Number:  
(770) 688 - 1958  
(866)-99 Blue1

Fax Number:  
(770) 232 - 9270



# BLUE1BOX

Blue1USA is proud to introduce our 1,000-gallon economy model DEF storage and dispensing system.

The Blue1Box is the perfect solution for the commercial fleet owner who wants to purchase DEF in bulk. This economical DEF storage and dispensing mini-bulk provides an attractive combination of quality and price.

The Blue1Box is engineered to the highest quality standards and includes many of the same proven, quality features as our MINI-BULK systems. Every Blue1Box meets both ISO22241 and PEI RP 100 standards for the storage and dispensing of DEF. These cost-effective systems will fit into any equipment budget.



## WHY THE BLUE1BOX?

- ◆ **LOWER COSTS.** Available for cold climates (insulated) or warm weather sites (non-insulated)
- ◆ **FUEL ISLAND COMPATIBILITY** The Blue1Box's narrow, compact footprint (46" x 95") allows the unit to be installed on most fuel islands or other productive fueling areas with space
- ◆ **QUICK & EASY INSTALLATION** Every unit includes pre-wired turn-key components, stainless steel piping & dry-break adapter, magnetic nozzle with auto shutoff, swivel/breakaway, inventory level gauge and audible overfill alarm.

CERTIFIED TO UL-508A & CSA C22.2  
ELECTRICAL STANDARDS



# BLUE1BOX

## PRODUCT DATA SPECIFICATIONS

Two Blue1Box models are available to fit any budget. The **Standard** model includes a 15ft. hose and hose hanger. The **Premium** model includes a 25ft. hose, retractable hose reel and pulse output.

FEATURE DESCRIPTION	STANDARD	PREMIUM
Non-Insulated HDPE exterior	X	X
1,000 Gallon capacity	X	X
Narrow 45" width	X	X
Secondary containment	X	X
Lockable, hinged dispense door & roof	X	X
Turn-key, pre-wired components	X	X
Stainless steel piping & fittings	X	X
Submersible pump (1/2 hp)	X	X
Dry-Break fill coupler	X	X
Audible overfill alarm	X	X
Level gauge with LED display	X	X
Hose & hose hanger (15' length)	X	
Hose & retractable reel (25' length)		X
Magnetic nozzle w/automatic shutoff	X	X
Swivel/Breakaway	X	X
LCD display (gallons only)	X	
Electronic LED w/ pulse output (card-reader compatible)		X
Bolt-down capability	X	X
Heater/ Thermostat	O	O
Anchoring kit	O	O

### ELECTRICAL REQUIREMENTS:

120V, 30A, single phase

### DIMENSIONS:

95" x 45" x 91" ht

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# TOTE CABINETS



For your small fleet or temporary solution, Blue1USA offers a quality line of tote cabinet solutions, specifically designed for the outdoor storage of 275/330 gallon DEF totes. Protect DEF from freezing temperatures as well as degradation from UV rays and excessive heat with these clean and reliable totes.

Blue1USA's pre-wired tote cabinet systems are certified per UL-508A and CSA 22.2 electrical standards and include an on/off switch, interior light and GFCI receptacle. The exterior is constructed of 100% composite material that will not rust or corrode. Sizes are available for both single and double tote storage. The narrow width allows convenient installation directly on the fuel island.

Both models can be crafted for you for either cold weather (insulated) or warm weather (non-insulated) sites.

## BLUE1USA'S TOTE CABINETS INCLUDE:

- ◆ **NO FREEZING, NO DEGRADATION.** Cabinets protect pump assembly and tote from inclement weather
- ◆ **EASY REFILLING ACCESS TO BOTH LANES.** Centrally located weather-proof fold down dispense door on end of unit for easy vehicle re-filling access to both lanes
- ◆ **EASY ON/OFF LOADING & RELOCATON.** Heavy duty chassis with forklift-compatible slots
- ◆ **SECURITY & PEACE OF MIND.** Both dispense and large door are lockable to prevent potential fluid theft.

## AVAILABLE CUSTOM-CRAFTED SOLUTIONS:

- ◆ Insulated and non-insulated exterior housing
- ◆ Thermostatically controlled heater
- ◆ Built-in dispense door with hose, reel and pump assembly

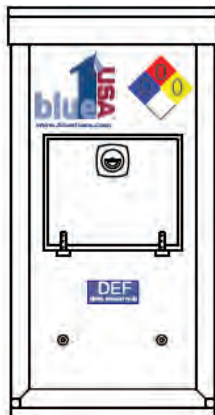
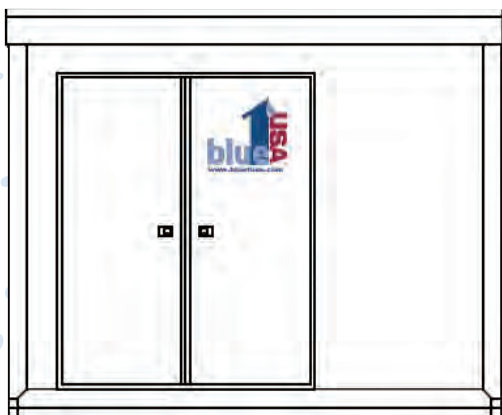


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# SINGLE & DOUBLE TOTE STORAGE



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#205-A  
Duluth, GA 30097

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(770) 688 - 1958  
(866)-99 Blue1

Fax Number:  
(770) 232 - 9270



# MINI-BULK SYSTEMS

Get The World's Best: Blue1USA's DEF MINI-BULK systems, with reliable service and long-term value.

For your 500-3,400 gallon storage needs, there's no easier or better solution. We custom-engineer every system with cutting-edge technology to meet your unique requirements. Every Blue1USA MINI-BULK system is pre-wired for quick and cost-effective installation, and has an aesthetically pleasing white exterior that never rusts or corrodes.

Blue1USA's MINI-BULK systems are available for every application, for both cold (insulated) and warm weather sites (non-insulated).

Easier permitting comes standard with your Blue1USA MINI-BULK system, as it conforms to the highest electrical specifications (per UL-508A and CSA C22.2, no. 14-10). Get the peace of mind that comes from protecting your DEF fluid from potential contamination with Blue1USA's strict material manufacturing standards (per ISO 22241-3,4 and PEI RP-1100).



## BLUE1USA'S MINI-BULK SYSTEMS PROVIDE:

- ◆ **INEXPENSIVE UNLOADING** Forklift slots for inexpensive unloading off delivery truck.
- ◆ **SECONDARY CONTAINMENT** Protect your property with an audible overfill alarm and secondary storage containment.
- ◆ **EASY ACCESS.** Lockable, hinged roof with pneumatic hinges easily opens for maintenance, inspections, and future upgrades.
- ◆ **LEAK-PROOF DESIGN** Blue1USA's Stainless steel fill-port with dry-break coupler eliminates drips and spills during product delivery.
- ◆ **YEARS OF RELIABLE SERVICE** Our robust design with submersible DEF pump provides reliable service year after year.
- ◆ **VISUAL INVENTORY** LED product level display provides an easy visual reference
- ◆ **IMPROVED DRIVER SAFETY** The industry's most compact footprint improves vehicle clearance, minimizing the potential for collisions.

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ELECTRICAL STANDARDS

## AVAILABLE CUSTOM-CRAFTED SOLUTIONS:

- ◆ 500 - 3,400 Gallon Storage Capacity
- ◆ Heater & Thermostat
- ◆ Exhaust Fan with Timer
- ◆ Stainless Steel Overfill Prevention Valve
- ◆ Low Level Warning Indicator Light
- ◆ Control Room Light
- ◆ Bolt-Down Anchoring Package
- ◆ Adjustable Leveling Frame



# MINI-BULK MODELS



## COMMERCIAL MINI-BULK SYSTEMS

Perfect for private fleets and card-lock locations. Built-in dispensing systems include 20 ft hose, automatic shutoff nozzle and swivel/breakaway. Compatible with all major card reader systems. Weight & measures upgrade available. Narrow footprint available in many sizes for convenient fuel island installation.



## REMOTE MINI-BULK SYSTEMS

Larger sizes provide flexible location options for piping to adjacent fuel lanes. Robust submersible pump supports multiple dispensers. POS compatible for integration with Gilbarco/Gasboy, Wayne, Bennett and other private label dispensers.



## RETAIL MINI-BULK SYSTEMS

Many sizes available with narrow footprint for convenient installation at the fuel island. Customized deck extension for integration with all retail dispenser models. Cost effective leveling frames eliminates the need for expensive concrete pad.

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# DEF DISPENSERS

The Blue1USA dispenser is designed for use in either commercial or card lock locations where demanding use requires high performance reliability. Every Blue1USA dispenser is pre-wired per UL and CSA electrical standards. The Weights & Measures certified dispenser is perfect for card lock locations and resale establishments. Rugged design provides many years of reliable performance and long-term value.

## BLUE1USA'S DEF DISPENSERS PROVIDE:

- ◆ **EASY PERMITTING** Electrical certification per UL-508A and CSA 22.2 provides assurance that every Blue1USA dispenser conforms to the highest electrical standards.
- ◆ **DEPENDABILITY** The weatherproof exterior is made of 100% composite material that will not rust, corrode, warp, or fade. The locking cabinet includes bolt down brackets for fastening the unit securely to the concrete pad.
- ◆ **EASY, INEXPENSIVE INSTALLATION & RELIABLE PERFORMANCE** Factory-installed components include 20' hose reel with DEF hose, 1 micron filter, automatic shut-off nozzle with misfill prevention, and swivel/breakaway.
- ◆ **USAGE TRACKING** Electronic LED display provides easy and secure ability to track and reconcile daily fluid consumption. Totalizer and pulse output included.
- ◆ **CARD READER COMPATIBILITY** Blue1USA's dispensers are compatible with all major card reader systems.

## AVAILABLE CUSTOM OPTIONS:

- ◆ Thermostatically controlled heater
- ◆ Upgrade to 40' hose
- ◆ **Weights & Measures upgrade. NTEP certified dispenser**



CERTIFIED TO UL-508A & CSA C22.2  
ELECTRICAL STANDARDS

# BULK STORAGE

## BLUE1USA'S BULK STORAGE

Designed for outdoor use and dispensing, these bulk storage units provide high-volume capacity for your DEF. All fittings and venting components are pre-installed, and Blue1USA offers heated and insulated options, as well as a dispensing system.

Find out why our customers say that Blue1USA's solutions are the World's Best!

## BULK STORAGE PACKAGES INCLUDE:

- ◆ **FLEXIBLE SIZING OPTIONS** DEF compatible single wall, HDPE, vertical storage tank is available from 3,000 gal to 8,400 gal capacity.
- ◆ **FEATURES YOU WANT** Tie-down slots, built-in graduated gallon indicators, and an offset fill port option.
- ◆ **PRE INSTALLED FITTINGS** Custom placement of any bulkhead fittings required for your facility. Manway standard on all tanks.
- ◆ **SUBMERSIBLE PUMP**  
1 HP to 2 HP models available

## DISPENSING SOLUTIONS:

- ◆ Stand-alone commercial or weights and measures certified dispensers are perfect to package with a bulk tank.
- ◆ Components include 20' hose reel with DEF hose, 1 micron filter, automatic shut-off nozzle with misfill prevention and a swivel / breakaway.

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**blue1USA**  
www.bluelusa.com

# BLUE1ECON SYSTEM

ECONOMICAL, ISLAND READY DEF STORAGE & DISPENSING SYSTEM



This pre-wired, turn-key system includes all components necessary to safely and conveniently dispense DEF on your fuel island. It is perfect for warm weather sites or fleet maintenance shop locations. The narrow, compact footprints are the smallest in the industry thus providing you with the most flexible and inexpensive installation available. Our proprietary single-wall poly tanks are all UV protected. Every sealed system meets ISO 22241-3, 4 and PEI RP1100 industry standards.

- Available in narrow 500, 750 and 1,000 gallon sizes
- Dispensing assembly includes a 15' hose, mis-fill prevention nozzle with automatic shutoff, swivel/breakaway and LED display with 100:1 pulse output
- Remote model available that can be piped to B1U or other DEF dispenser
- Compatible with all fuel management & card reader systems
- Factory installed components include: submersible pump, stainless steel piping with leak-proof press fittings, pressure vacuum vent and 2" dry-break fill coupler
- Bolt down frame protects system from strong winds and storms

<b>DIMENSIONS:</b>	500G	(35"W X 93"L X 77" H)
	750G	(39"W X 101"L X 91" H)
	1,000G	(44"W X 111"L X 95"H)

## OPTIONS:

- INVENTORY LEVEL GAUGE & OVERFILL ALARM
- OVERFILL PREVENTION VALVE
- DEDUCT FOR REMOTE MODEL (WITHOUT DISPENSING EQUIPMENT)



3883 Rogers Bridge Road, Suite 205A  
Duluth, Georgia 30097  
770.688.1958