



TECHNICAL SPECIFICATIONS

Blue1 Commercial Weights & Measures Mini-Bulk DEF Storage and Dispensing System 500, 750, 1000, 2000, 3400, 5000, & 6000 Gallon models

Sizes

500 Gallon	Dims: 44" w x 107" l x 88.5" h. Weight: Approx. 1800 lbs
750 Gallon	Dims: 44" w x 107" l x 100.5" h. Weight: Approx. 2000 lbs
Narrow 1000 Gallon	Dims: 48" w x 131.5" l x 110" h. Weight: Approx. 2200 lbs
2000 Gallon	Dims: 72.5" w x 197" l x 88.5" h. Weight: Approx. 3500 lbs
3400 Gallon	Dims: 92.5" w x 192" l x 106.5" h. Weight: Approx. 5000 lbs
5000 Gallon	Dims: 103" w x 227" l x 116" h. Weight: Approx. 6000 lbs
6000 Gallon	Dims: 110" w x 231" l x 126" h. Weight: Approx. 6500 lbs

Exterior Shell

Insulated Housing	R-6 Insulated FRP panels. Leak tight housing provides secondary containment.
Color	White
Transport	Inserts for fork lift handling
Heating	Optional thermostatically controlled heater
Branding	Blue1 or custom branding

Primary Tank

Type	Single wall HDPE Horizontal Tank
Volume	500, 750, 800, 1000, 2000, 3400 Gallons
Material	High Density Polyethylene
Sensor	Over fill and level probe Endress + Hauser FMI21
Digital Display	Endress + Hauser RIA 45
Overfill Alarm	Acoustic Horn with reset button
Filling Connection	TODD 2" dry break connection, max filling speed 125 Gal/min

Submersible Pump

Manufacturer/ type	Leader submersible pump – Bluediver 750, ½ HP, 2 impellers
Materials	Stainless steel and plastic
Electrical	110 V, 60 Hz, 1.1 kW,
Convey Volume	max 24g/min, H max 79 ft.
Convey Pressure	max 64 PSI
Operating Temp.	0° to +113° F

Flow Meter

Manufacturer / Type	Tuthill TS06C DEF meter
Measuring	Oval Gear Meter
Material (in contact w. media)	Stainless Steel Housing & Gears
Metering Range	1.5 - 15 gal/min
Operating Pressure	50 PSI at 100 degrees F
Metering Precision at flow rate	better than
Operating temp.	14° to +122° F
Pulse Output	10:1 or 100:1 pulse/gal

Dispenser

Built in Stainless Steel Weights & Measures dispenser with hose reel, NTEP Certificate 11-102; 20' hose standard, OPW nozzle with magnetic mis-fill prevention spout, 100:1 Pulse Output included for connection to card reader or fuel management system
Single sided; the dispenser can be located on either side

Electrical connections

Pre-wired electrical components certified to UL-508A and CSA C22.2 No. 14-10 standards
Unit must be installed in non-hazardous area, outside of Class 1, Div. 2 zone
Wired per NEC, NFPA 70
Single Phase, 110V, 30 amp service required

OPTIONS

Heater w/Thermostat	Variable 375-1500 Watt, Fan Forced, UL listed w/ integral thermostatic control
Housing Exhaust Fan	4.5" 110V, 35 CFM, with timer relay
Overfill Prevention Valve	Stainless Steel Overfill Prevention Valve
Product Filter	1 micron Polypropylene cartridge filter and housing
Remote Monitoring	Veeder Root Mag Probe .2 gph, 2" Float. Requires site controller.
Second Dispenser	Dual dispensing options for multiple lane fueling