



TECHNICAL SPECIFICATIONS

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

Sizes

500 Gallon
750 Gallon
Narrow 1000 Gallon
2000 Gallon
3400 Gallon
5000 Gallon
6000 Gallon

Dims: 44" w x 107" l x 89" h. Weight: Approx. 1800 lbs
Dims: 44" w x 107" l x 99" h. Weight: Approx. 2000 lbs
Dims: 48" w x 131.5" l x 110" h. Weight: Approx. 2200 lbs
Dims: 72.5" w x 197" l x 94" h. Weight: Approx. 3500 lbs
Dims: 92.5" w x 192" l x 107" h. Weight: Approx. 4500 lbs
Dims: 100" w x 227" l x 116" h. Weight: Approx. 5500 lbs
Dims: 110" w x 231" l x 126" h. Weight: Approx. 6500 lbs

Exterior Shell

Insulated Housing
Color
Transport /Handling
Heating
Branding

R-6 Insulated FRP panels. Leak tight housing provides secondary containment.
White
Integrated fork lift channels for handling
Optional thermostatically controlled heater
Blue1 or custom branding

Primary Tank

Type
Volume
Material
Sensor
Digital Display
Overfill Alarm
Filling Connection

Single wall HDPE Horizontal Tank
500, 750, 1000, 2000, 3400, 5000 or 6000 Gallons
High Density Polyethylene
Over fill and level probe Endress + Hauser FMI21
Endress + Hauser RIA 45
Acoustic Horn with reset button
TODO 2" dry break connection, max filling speed 125 gal/min

Submersible Pump

Manufacturer / Type
Materials
Electrical
Convey Volume
Convey Pressure
Operating Temp.

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

Flow Meter

Manufacturer/ type
Measuring
Material (in contact w. media)
Metering Range
Operating pressure
Metering Precision at Flow Rate
Pressure Drop
Connection
Operating Temp.
Pulse Output

Piisi Turbinox
Turbine meter
Stainless Steel Housing
3-11 gal/min
300 PSI
+/- 1 %, 3-11 gal/min
< 2.2 psi
G1" male
14° to +122° F
Single channel Reed Switch, 100:1 pulse/gal, not W&M approved

Dispenser

Built in Stainless Steel dispenser with hose reel, 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. Dispenser can be located on either side

Electrical connections

Prewired 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
Housing Exhaust Fan
Overfill Prevention Valve
Product Filter
Remote Monitoring
Second Dispenser

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