



AUTOMATED ADDITIVE DISPENSER



Affordable, Reliable, Self Contained and Simple to Install

Automate the Fuel Additive Process!

- Save valuable time on refueling
- Accurately dispense additives
- Eliminate errors and manual calculations

INCREASE YOUR BOTTOM LINE
WITH A SET IT AND FORGET IT SOLUTION

DBADDOSER_0511

1-800-667-6879 230 - 29th Street East, Saskatoon, SK S7L 6Y6





AUTOMATED ADDITIVE DISPENSER



AUTOMATING THE REDUCTION OF FUEL CONSUMPTION AND CARBON EMISSIONS

THE AUTOMATED INJECTION SYSTEM

The Automated Diesel Fuel Additive Injector (AAI) will automatically and accurately dispense diesel fuel additives to the fuel system at each fueling with no operator input. This virtually eliminates the handling objection and creates an affordable solution for both small and large operations.

Proprietary flow control technology minimizes messy calibrations and ensures accurate diesel fuel additive dispensing every time. It accurately dispenses fuel additive to the fuel system at each fueling.

The AAI systems are designed to require no maintenance beyond the filling of fuel additives. They are designed to accept fuel level data from a wide range of sensors including digital/analog diesel fuel tank level senders, ultrasonic level sensors, pulse transmitters and electronic flow meters.

This virtually eliminates handling of the fuel additives and creates an accurate and affordable solution for both small and large operations.

The key to quality results with any fuel additive is its accurate and consistent use:

Cummins knows this could save you real money, *"The addition of high quality fuel additives is now an important element in every good diesel engine maintenance program"* - Cummins

A Unique Model to Meet Your Application Needs
AAI Systems offer five models to choose from with a model to meet your specific application.

- AAI-VM1 00 Vehicle Mount
- AAI-VM200 Vehicle Mount Plus
- AAI-FT1 00 Fueling Tanker
- AAI-BT100 Bulk Tank
- AAI-MU100 Mobile Unit

AUTOMATE THE BENEFITS

Reduce Fuel Consumption, Vehicle Wear and Emissions

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The parties agree that the implied warranties that are set out in the Sale of Goods Act, are excluded and shall not apply to goods sold or services supplied. The parties also agree that only the warranty expressly provided by DSG Canada or Saskatoon Diesel Services Ltd. shall apply to the goods sold or services provided. The purchaser or his agent by entering into this transaction acknowledges that he/she has read this agreement and warranty disclaimers herein and also acknowledges that this agreement comprised the entire agreement between the parties and that there are no antecedent or extrinsic representation or collateral agreements that terms are strictly net 30 days. Warranty is set out in the terms and conditions of sale above. Warranty is limited to the original purchaser. 1-800-667-6879. If you encounter any trouble call this number. Failure to do so will null and void all warranties.

AUTOMATED ADDITIVE DISPENSER



AUTOMATING THE REDUCTION OF FUEL CONSUMPTION AND CARBON EMISSIONS

THE AAI BENEFITS

- Our proprietary flow control technology minimizes calibrations, simplifying installation
- Tanks are sized to be filled at the vehicles normal scheduled maintenance intervals
- Maintain accurate ratios through varying temperature and viscosities
- Dispense directly into the diesel fuel or other product stream
- Supports full range of known diesel fuel conditioners, diesel fuel additives and diesel fuel catalyst
- Enables fueling to be efficient without the need to calculate and manually dispense fuel additives
- Eliminate the need for in vehicle storage of diesel fuel additives
- Reduce fuel consumption, vehicle wear and emissions



Make your footprint green,
increase your fuel economy
while reducing harmful emissions.

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AUTOMATED ADDITIVE DISPENSER

DSG AUTOMATES THE BENEFITS OF ADDITIVES FOR YOU

With hundreds of additive formulations designed to help reduce your operating costs you're certain to be able to find one to meet your specific needs.

* REPORTED BENEFITS

- | | |
|--|------------------------------|
| Improves fuel economy | Totally disperses water |
| Cleans fuel injector systems | Controls icing and freeze up |
| Reduces oxidation | Increases lubricity |
| Removes carbon deposits | Reduces engine wear |
| Increases cetane | Reduces engine noise |
| Improves engine performance | Keeps fuel system clean |
| Lowers maintenance costs | Reduces harmful emissions |
| Prevents formation of algae & bacteria | |

* Reported benefits are not the claims of DSG but of the additive manufacturers themselves.

With DSG's automation you are able to enjoy these benefits and simply set it and forget it!

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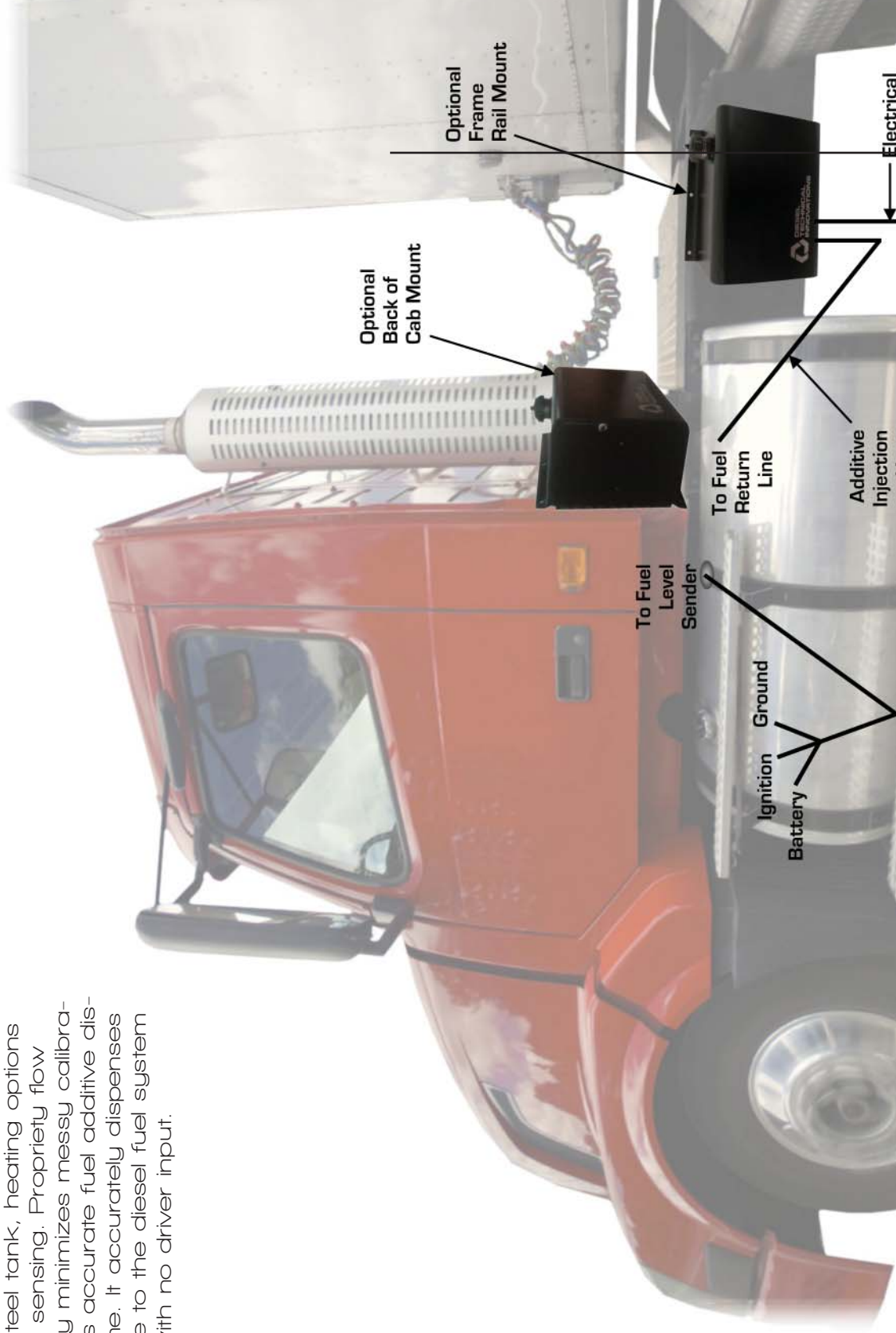
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Vehicle Mount Plus

The Vehicle Mount Plus System AAI-VM200 is the upgraded version of the Vehicle Mount with a stainless steel tank, heating options and additive level sensing. Proprietary flow control technology minimizes messy calibrations and ensures accurate fuel additive dispensing every time. It accurately dispenses diesel fuel additive to the diesel fuel system at each fueling with no driver input.



Vehicle Mount Plus

Automated Additive Dispenser
AAI-VM200 TECHNICAL SPECIFICATIONS

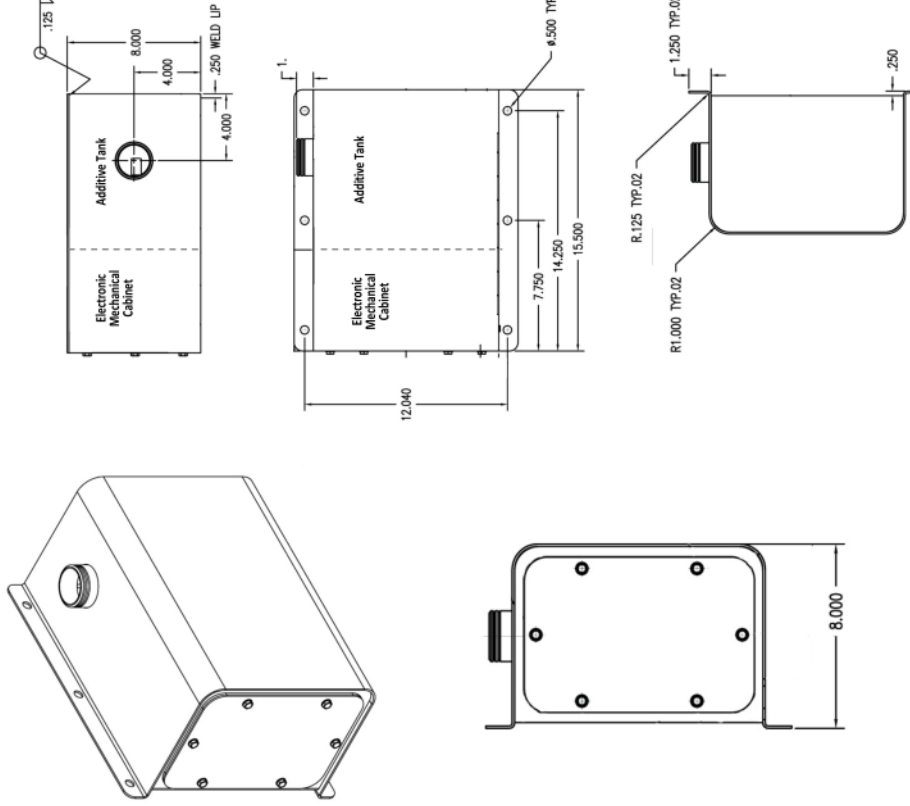
ADDITIVE TANK & ELECTRONIC MECHANICAL CABINET
 OVERALL HEIGHT 12.66 INCHES
 TANK HEIGHT 11.41 INCHES
 TANK WIDTH 15.5 INCHES
 TANK DEPTH 8 INCHES
 ADDITIVE TANK CAPACITY 2.76 US GALLONS
 ELECTRONIC / MECHANICAL CABINET MOUNTING HOLE SIZE 5.5 INCHES WIDE
 1/2 INCH
 MATERIAL 12 GAUGE STAINLESS STEEL

ELECTRICAL
 VOLTAGE 1 2VDC-24VDC
 STANDARD UNIT CURRENT DRAW, STANDBY 1 0mA
 STANDARD UNIT CURRENT DRAW, INJECTING 8 AMPS
 SUPPLIED WIRING LENGTH 15 FEET
 OPTIONAL ULTRASONIC LEVEL SENDER 3 WAY METRI-PACK
 150 RECEPTACLE

PLUMBING
 SUPPLIED PLUMBING LENGTH 15 FEET/4.6 METERS
 HOSE & FEMALE FITTING SIZE #3 A-N
 MALE FITTING SIZE 1/8 INCH NPT
 VEHICLE INTERFACE CONNECTION SIZE 1/8" NPT
 ADDITIVE HOSE CONSTRUCTION PTFE, STAINLESS STEEL
 BRAIDED COVER

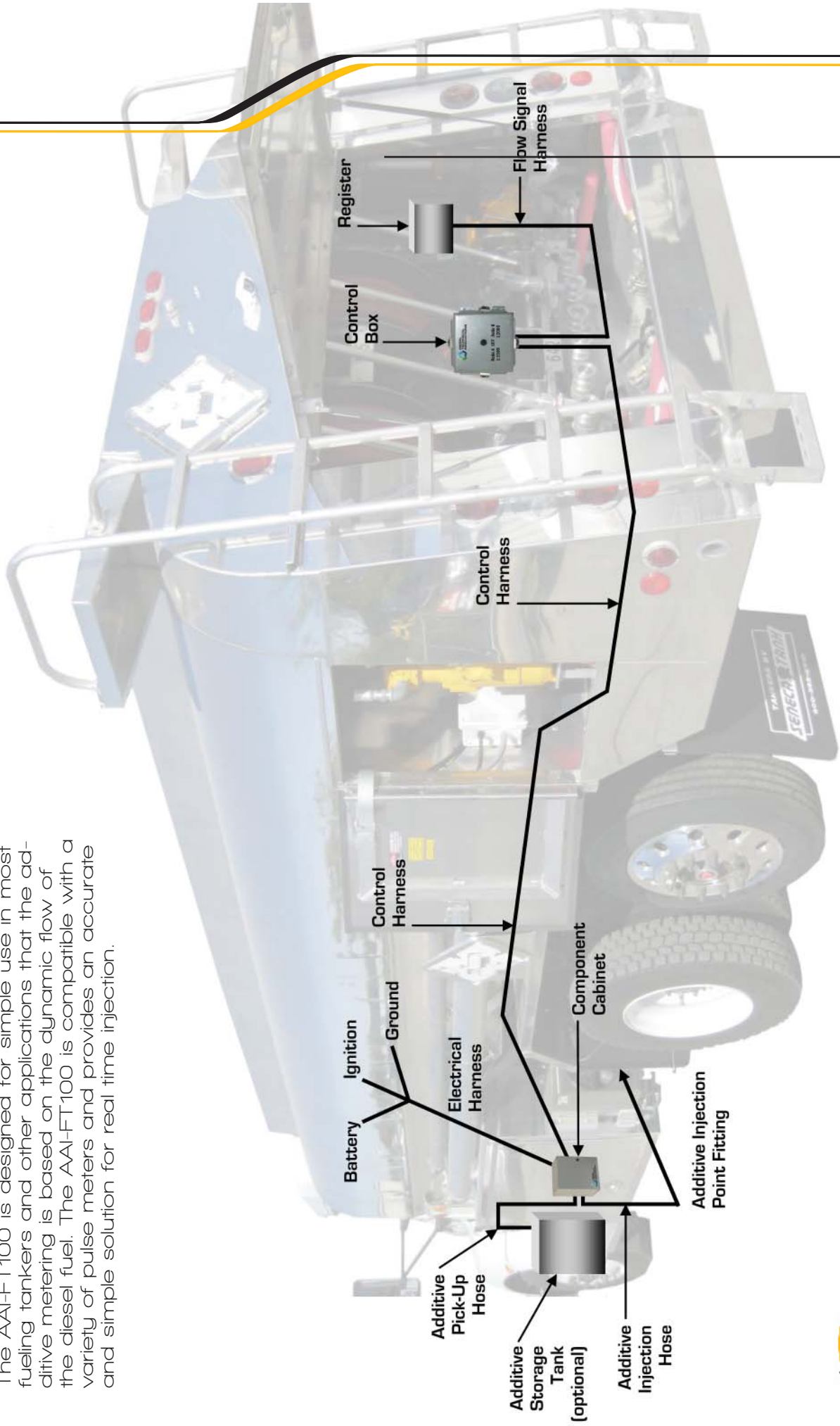
CONNECTIONS
 BATTERY GROUND IGNITION ON
 FUEL SENDER POWER
 FUEL SENDER GROUND
 FUEL SENDER SIGNAL

This configuration represents the AAI-VM200 standard model.
 Contact your representative for the specific configuration for your application.



Fueling Tanker

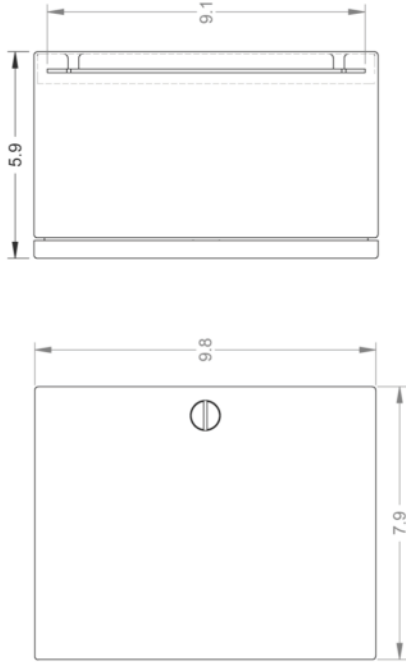
The AAI-FT100 is designed for simple use in most fueling tankers and other applications that the additive metering is based on the dynamic flow of the diesel fuel. The AAI-FT100 is compatible with a variety of pulse meters and provides an accurate and simple solution for real time injection.



Fueling Tanker

Automated Additive Dispenser
AAI-FT100 TECHNICAL SPECIFICATIONS

COMPONENT CABINET



COMPONENT CABINET
MOUNTING HOLE SPACING
MATERIAL

9.8 INCH H X 7.9 INCH W X 5.9 INCH D
5.3 INCH X 9.1 INCH
16 GAUGE STEEL

CONTROL BOX

MOUNTING HOLE SPACING
MATERIAL

7.5 INCH H X 6.0 INCH W X 4.3 INCH D
6.75 INCH X 4.0 INCH
14 GAUGE STEEL

ELECTRICAL

FLOW SIGNAL HARNESS
CONTROL HARNESS
ELECTRICAL HARNESS
- BATTERY, GROUND, IGNITION

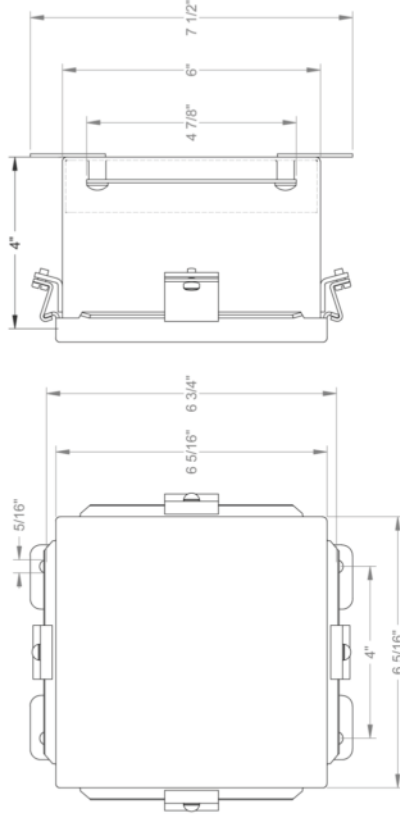
4 FEET
10 FEET
15 FEET

PLUMBING

ADDITIVE TANK PICK-UP ASSEMBLY
ADDITIVE PICK-UP HOSE
ADDITIVE INJECTION HOSE
ADDITIVE INJECTION POINT FITTING
VOLTAGE
BASIC UNIT CURRENT DRAW, STANDBY
BASIC UNIT CURRENT DRAW, INJECTING

24 INCH
5 FEET
10 FEET
1/8 INCH NPT
1 2VDC OR 24VDC
1 0mA
8 AMPS

CONTROL BOX



CONNECTIONS

BATTERY GROUND IGNITION ON
ADDITIVE HOSE CONSTRUCTION
HOSE & FITTING SIZE

PTFE, STAINLESS STEEL BRAIDED COVER
#3 A-N

POTENTIAL ADDITIVE INJECTION RATE 1 OUNCE PER SECOND

This configuration represents the AAI-FT100 standard model.

Contact your representative for the specific configuration for your application.

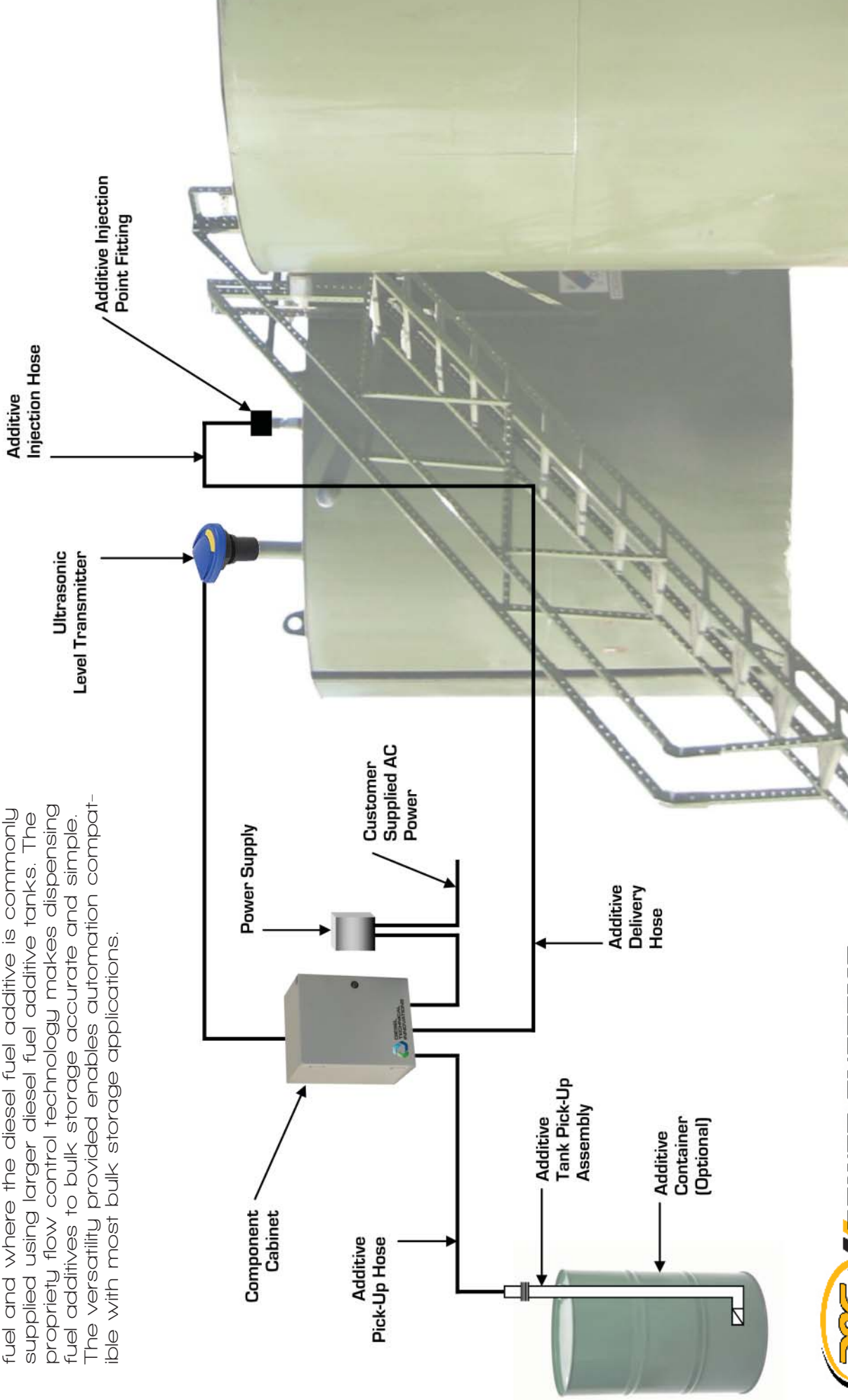


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Bulk Tank

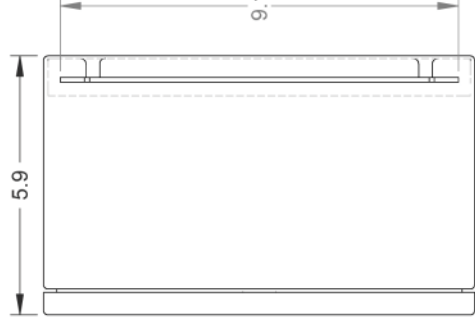
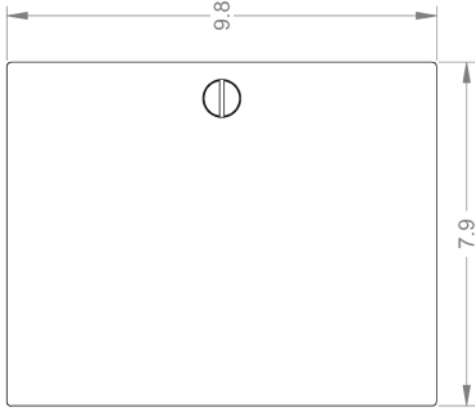
These units are for use with bulk storage of diesel fuel and where the diesel fuel additive is commonly supplied using larger diesel fuel additive tanks. The proprietary flow control technology makes dispensing fuel additives to bulk storage accurate and simple. The versatility provided enables automation compatible with most bulk storage applications.



Bulk Tank

Automated Additive Dispenser
AAI-BT100 TECHNICAL SPECIFICATIONS

COMPONENT CABINET



COMPONENT CABINET

MOUNTING HOLE SPACING
MATERIAL

9.8 INCH H X 7.9 INCH W X 5.9 INCH D
5.3 INCH X 9.1 INCH
16 GAUGE STEEL

ELECTRICAL

CUSTOMER SUPPLIED POWER
AAI POWER SUPPLY
BASIC UNIT CURRENT DRAW, STANDBY 1 0mA
BASIC UNIT CURRENT DRAW, INJECTING 4 AMPS

90—280 VAC TO DC CONVERTER
UL LISTED AC TO DC CONVERTER

BULK TANK LEVEL TRANSMITTER

MODEL
RANGE
SUPPLIED CABLE

FLOWLINE ECHOSONIC II, LU28-01
8 INCHES TO 24.6 FEET
10 FEET

PLUMBING

ADDITIVE TANK PICK-UP ASSEMBLY
US 55 GALLON DRUM
ADDITIVE PICK-UP HOSE
ADDITIVE INJECTION HOSE
ADDITIVE INJECTION POINT FITTING

SIZED FOR STANDARD
10 FEET
10 FEET
1/8 INCH NPT MALE FITTING

MISC.

ADDITIVE HOSE CONSTRUCTION
HOSE & FITTING SIZE
POTENTIAL ADDITIVE INJECTION RATE

PTFE, STAINLESS STEEL BRAIDED COVER
#3 A-N
1 OUNCE PER SECOND

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