



Bituminous Transport The Asphalt Tank













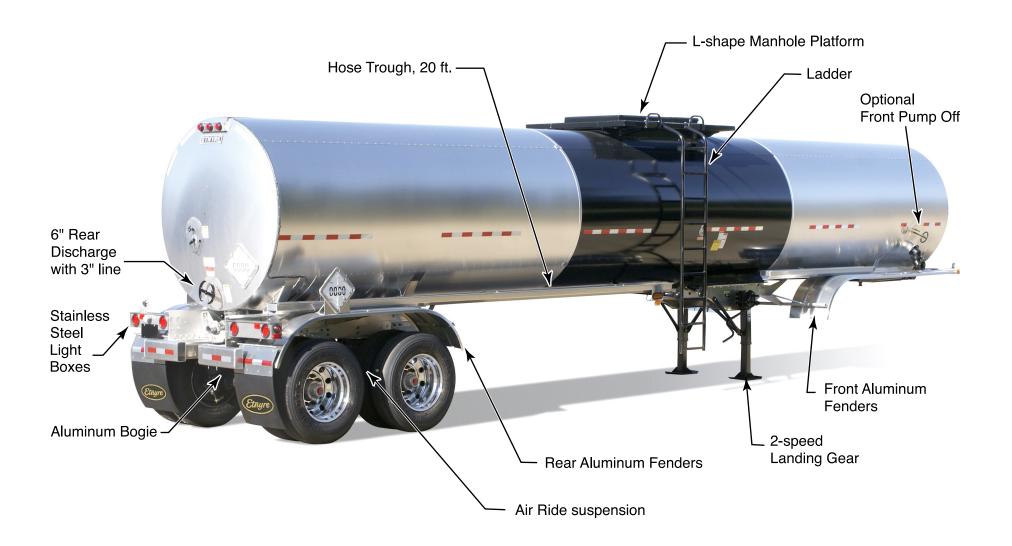


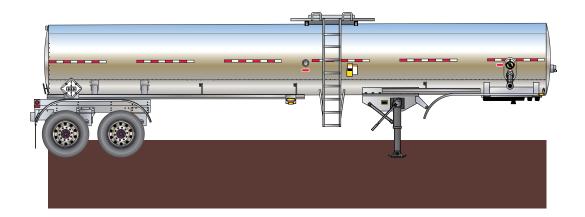
The Asphalt Tank

Built for Hot Products

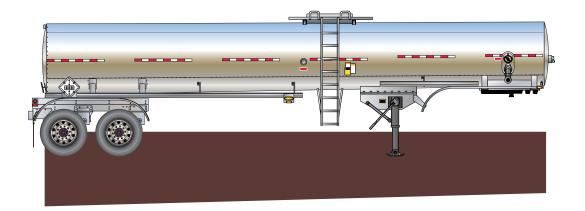


ARA Aluminum Round Asphalt

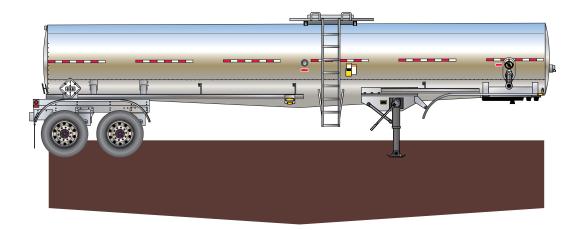




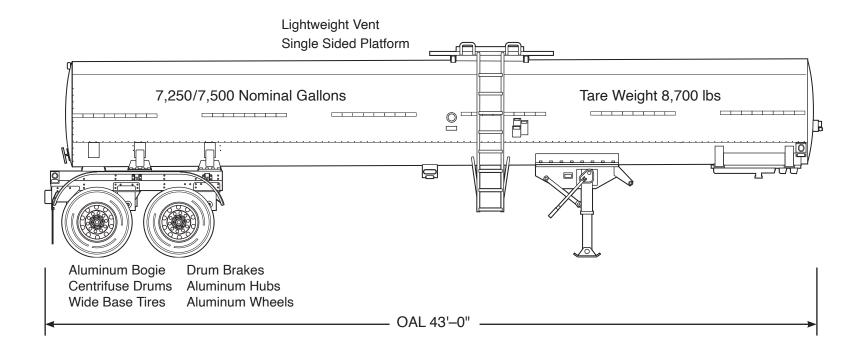












49 CFR 173.247

Asphalt tanks are designed and manufactured to comply with the DOT 406 specifications but with an exception to the venting and the discharge valve. Asphalt tanks are allowed atmospheric venting in lieu of 'smart vents' and manual discharge valves in lieu of spring loaded closure devices with remote actuators.

Do to the allowed and recognized exceptions to the full 406 specifications Asphalt tanks are classified as 49 CFR 173.247.

Code	Description	Product		
Non Code	49 CFR 173.247	Hot AC, Emulsion, Calcium Chloride, Diesel Fuel, Biodiesel, Hot Wax		
DOT 406	Smart Vent, Internal Valves, Emergency Shutdown	Gasoline, Fuel Oil, Alcohol, Flamables		
DOT 407	25psi, Vapor Recovery	Crude Oil, Solvents, Plasticizers, Chemical		
General description, check regulations				

General description, check regulations

Tank Construction



- 375º Tank Rating.
- 400° Tank Rating (adds 400 lbs.)

Rings



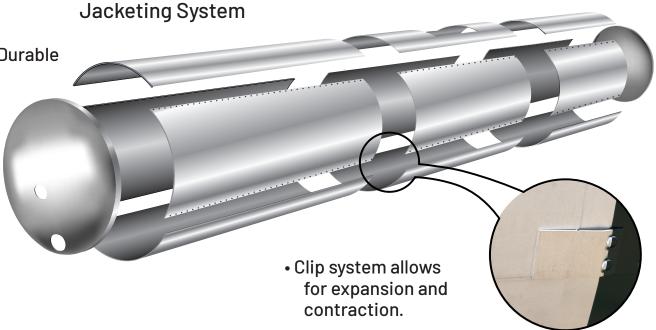
- 3" and 5" channel.
- Rings continuous weld.

Head



• Deep dish heads.

- Exclusive 0.04" aluminum jacketing. Durable to withstand years of service.
- Exclusive system reduces the circumference seams.
- Superior heat retention.
- 0.08" jacket heads.



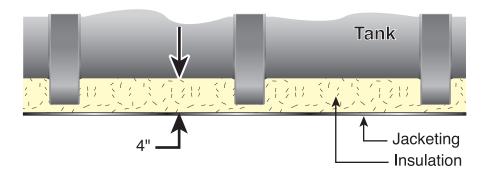
Bright Finish Jacketing (side sheets only)





Insulation





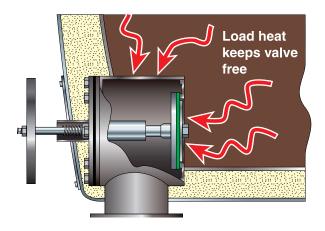
- Insulation 1# density.
- 4" standard.
- 5" optional (adds 290 lbs.).
- 6" optional (adds 390 lbs.).

Black Band optional





Rear Discharge Valve



• 6" valve, complete drainage.

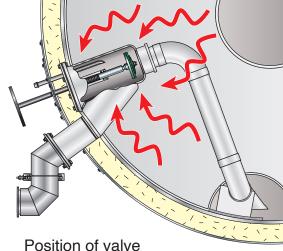


- Split rear bumper with sloping discharge line.
- Optional 4" discharge lines.
- Optional 3" or 4"gate valves.
- Optional washout and sample valve.

Front Pump Off (optional)

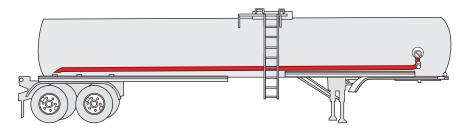


 Includes 8' front hose trough.



body insures drainage

Load heat keeps valve free



- 3" line to rear (adds 120 lbs)
- 4" line optional
- Internal valve with "shear" design meets federal regulations without rollover protection.
- · Hose swivel standard.

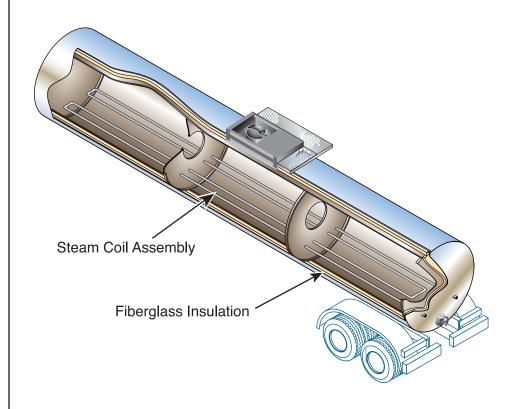
Wash Out System (optional)





- 20 gallon.
- Pressurized with truck air.
- Optional line to front and rear discharge.
- Optional stainless steel tank.

Steam Coils (optional)



Options: Aluminum Construction

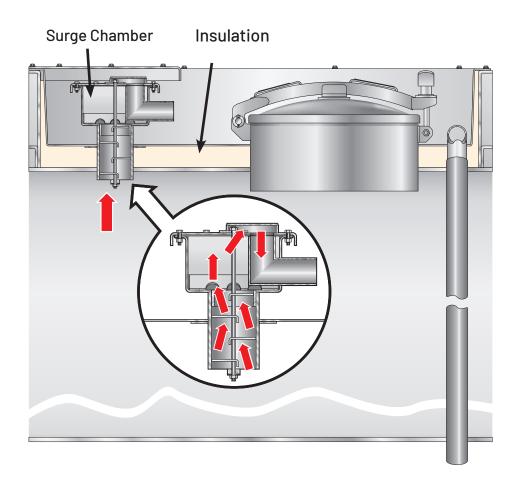
- Steam coils. 11/2" pipe aluminum.
 - Two pass
 - Four pass
 - Eight pass

Vent System

Etnyre Style Vent

Insulation Surge Chamber

Light Weight Style Vent



- Large surge chamber with vent.
- Insulated.
- Internal vent and external drain line.

- Vents into spillbox area.
- 35 lbs lighter than Etnyre Style.
- External drain line.

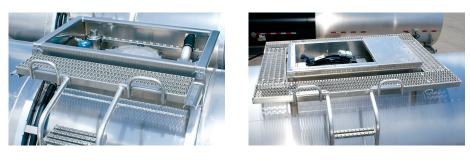
Manhole Area

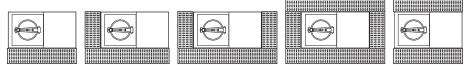


- 20" quick opening manhole.
- Single hold down cover.
- Manufactured by Etnyre.
- DOT 406 compliant.



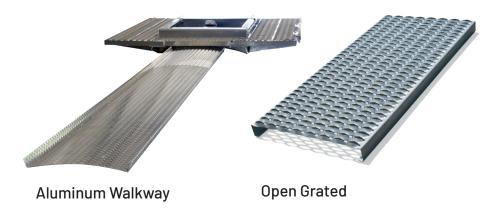
Platforms



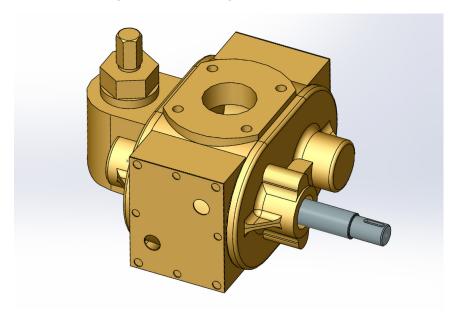


• Large L shape catwalk standard. Options for 1, 3 & 4 sided.

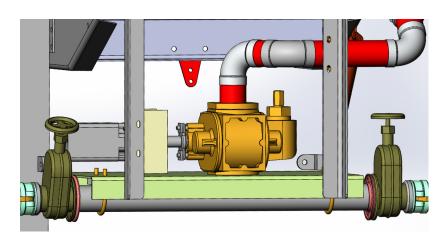
Walkways



Asphalt Pump (optional)



- Manufactured by Etnyre especially for asphalt.
- 200 GPM capacity.
- No low spots to trap asphalt.



Toolboxes





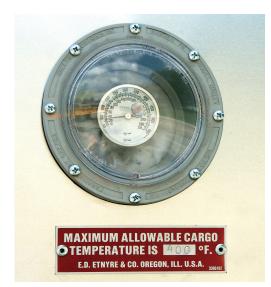


Upper Coupler



- Total adjustment 24".
- Adjustable in 2" increments.
- 5/16" high strength steel construction. 3/8" and 1/2" optional.

Thermometer



- 2" Dial Type.
- Enclosed Well.
- 50º to 550º.

Sample Valve



- Internal valve.
- Custom locations.

Fenders







Aluminum Ladder



Landing Gear





10 x 12 x 4 10 x 12 x 2

Light Box Stainless Steel



Options available for 2, 3 or 4 lights





Standard



Red marker lights, horseshoe in rear head



Inset marker lights and center stop lamp



Amber marker lights, horseshoe in front head



Inset marker lights and extra set of stop/turn/tail lights



(5) Amber marker lights, down each side of tank

Suspension





Lift Axle
Auto or Manual Lift
Auto lowers axle when loaded and lifts axle when empty.





Custom axle combinations available

Tires



Disc Wheels



Aluminum Durabrite Mirror Aluminum Polish Mirror Aluminum Machine Clean & Buff Gray Steel +130 lbs per axle

Tire Inflation System



HD



TP



Axle Ends

Brake



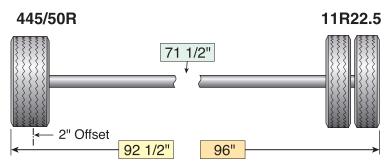


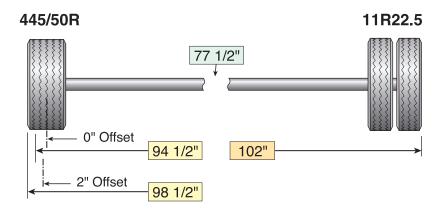
Disc

Drum

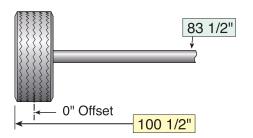
Axle and Tire Combinations

Outside to outside tire dimension





445/50R

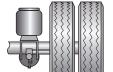


Axle Weights - Approximate



11R 22.5

- · Steel disc wheel
- Steel hub
- Cast drum brakes
- Air ride suspension



11R 22.5

- · Aluminum wheel
- Aluminum hub
- · Centrifuse drum brakes
- · Air ride suspension

445/50R 22.5



- Aluminum wheel
- Aluminum hub
- · Disc brakes
- Air ride suspension
- 1,177 lbs per axle

1,548 lbs per axle

1,364 lbs per axle

1,180 lbs per axle with Centrifuse drum brakes

445/50R 22.5



- · Aluminum wheel
- Aluminum hub
- Centrifuse drum brakes
- Spring ride suspension
- 1,090 lbs per axle
- 1,087 lbs per axle with disc brakes

Anti Lock

&

Roll Stability

The trailer anti-lock system (ABS) is an electronic system that monitors and controls wheel speed on trailers during braking. The system works with standard air brake systems.

The different versions of the system are commonly identified by the number of sensors (S) and valves (M = modular relay valve) in the system. For example:

2S/1M = 2 sensors and 1 valve (Minimum required by FMVSS121)

2S/2M = 2 sensors and 2 valves (standard)

4S/2M = 4 sensors and 2 valves

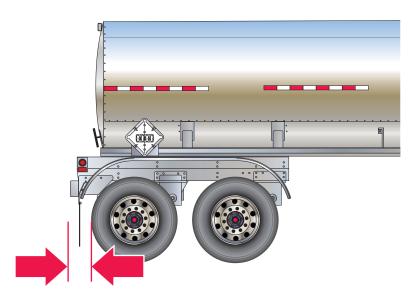
Signals from the wheel speed sensors are received and processed by the electronic control unit (ECU). As long as none of the wheels begin to lock, the ABS lets the normal air brake system control the braking. But, if a wheel starts to lock, the ECU activates the ABS relay for that wheel. The ABS relay valve can then apply and release air chamber pressure up to five times a second. This reduces wheel lock-ups and helps the driver complete a controlled stop.



Roll stability control (RSC) is an active vehicle safety system that automatically intervenes if a high rollover risk is detected while driving. If a rollover threat is occurring, the system intervenes and applies trailer brakes to reduce vehicle speed.

Underride





Underride required when bumper is 12" or more from rear tire.

Tractor Weight and Dimension Data Sheet

The following information is vital in the design of your new Transport. The correct weight factors will enable us to prepare a weight analysis for your approval prior to the actual assembly of this unit.

*Please Return this form with information on these items as soon as possible.

Truck Make	Model	Year			
Bumper — Steering Us	C Lower 5th Wheel Slider or Fixed Axle Sp.	Movement In Increments Foremost Position Setting Rear Tire Size Wheel Height			
Front Axle Scale Weight # Gross Axle Weight R (G.A.W.R.) # Note: Tractor weight	Tandem Scale Weight #	Total Empty Scale Weight # Gross Vehicle Weight Rating (G.V.W.R.) # ith driver and fuel.			
States of Operation					
Comply with Federal D.O.T. 80,000# Gross Weight Limits?					
Type of Product to be Transported					
Temperature of Product When Loaded Weight Per Gallon of Product When Loade	d	# E:306-96			

Truck Tractor Dimensions Tri Axle

Make	
Model	Tire Size
	NOTE: "L" is farthest point from center of fifth wheel (edge of tire, fender, corner of frame, etc.)
	M N N
	Centerline Centerline of 5th Wheel of Suspension
	F C Suspension to C of 5th Wheel
	Light Light K Loaded Loaded Loaded
★ A → ★ B	
	*Actual scale weights of empty tractor

All dimension boxes must be filled in. For weight distribution drawings, axle weights must be filled in.

AXLE WEIGHT*



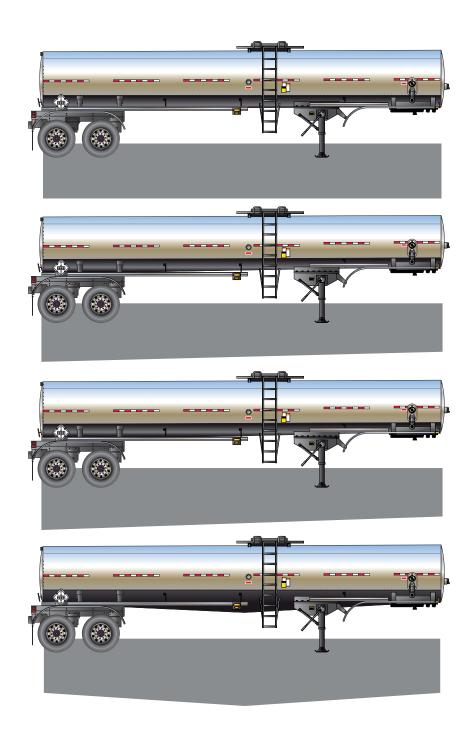
AXLE WEIGHT*

E. D. ETNYRE & CO.

1333 South Daysville Road, Oregon, Illinois 61061 Phone: 1-815-732-2116 Fax: 1-815-732-7400

E-677-01

DATE CUSTOMER APPROVAL ANTI-LOCK BRAKE SYSTEM
AXLE 1 2 SAMPLE WEIGHT ANALYSIS SENSORS -MODULATED X - 62 --43'- 0 " TRAILER ---- 39' - 9" (477") SHELL -25 3/4" ∘20 35'-8" (428")--- 16 Customer 8 Truck 129" - 125 CA 25 - 190 WB 34' - 3 1/2" --51 → ALLOWS 68000 LBS 29 3/4 ALLOWS BOOOD LBS 49 6,820# 9.680# 0# TRACTOR 16,500# 245# 2,840# 6,280# TRAILER 9.365# 2,075# 23,340# PAYLOAD 54,135# 27,720# 34,000# 12,000# 34,000# TOTAL 80,000# DREGON IL 7250 GALLON (7,500 SHELL FULL) 67 11/16" DIA. FRONT TO REAR ALL DIMENSIONS IN INCHES 68,000# GVWR DRAWING TITLE 400 °F. MAXIMUM LADING TEMP. ARA 7250 DESIGNED TO 49CFR173.247 INTRAAX AIR RIDE DWG DRAWING NO. REV DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. AD00678 ALL WEIGHTS AND DIMENTIONS ARE APPROXIMATE. A SCALE NONE DATE 1/30/13 SHEET 1 OF 1



LWR

TR-6
Tapered Round, 6"

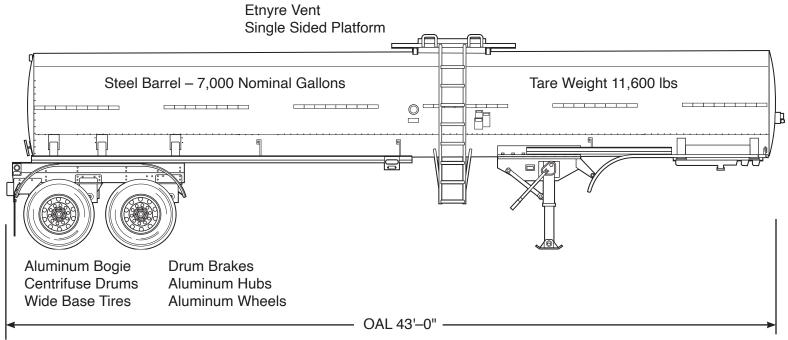
TR-10
Tapered Round, 10"

DTRDouble Taper Round

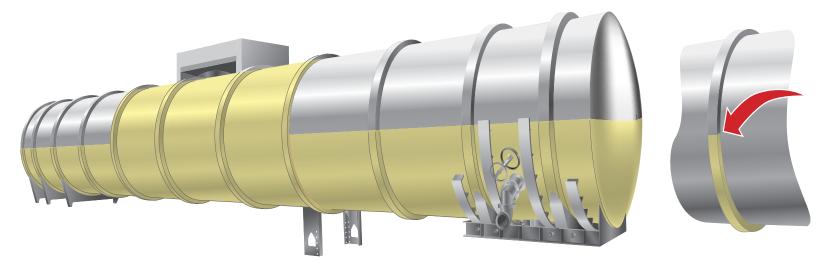
Options unique to Steel Construction

- 600° F. Construction
- 5" or 6" Insulation (3" standard)
- Heating Flues(s)
- LPG or Fuel Oil Burner(s)
- Stainless Steel Heat Box RD valve
- Etnyre 200 GPM Hot Products Pump

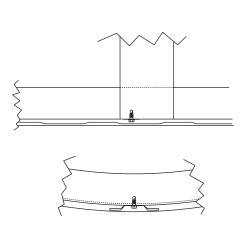




Rust Inhibitor



- Bottom 1/2 of steel tanks undercoated with high temp paint.
- Undercoating is pumped into rings to coat inside.



• Exclusive moisture drain built into bottom of jacketing to assist in removal of condensation.

Rings



- Full 4" channel.
- Rings continuous weld.

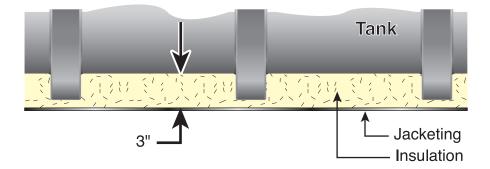
Head



• Deep dish heads.

Insulation





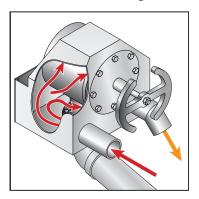
- Insulation 1# density.
- 3" standard.
- 4", 5" and 6" optional.

Thermal Expansion Mounting



- Tank is bolted to bogie.
- Bolting system is designed to allow expansion and contraction.

Optional Heat Box For Rear Discharge Valve

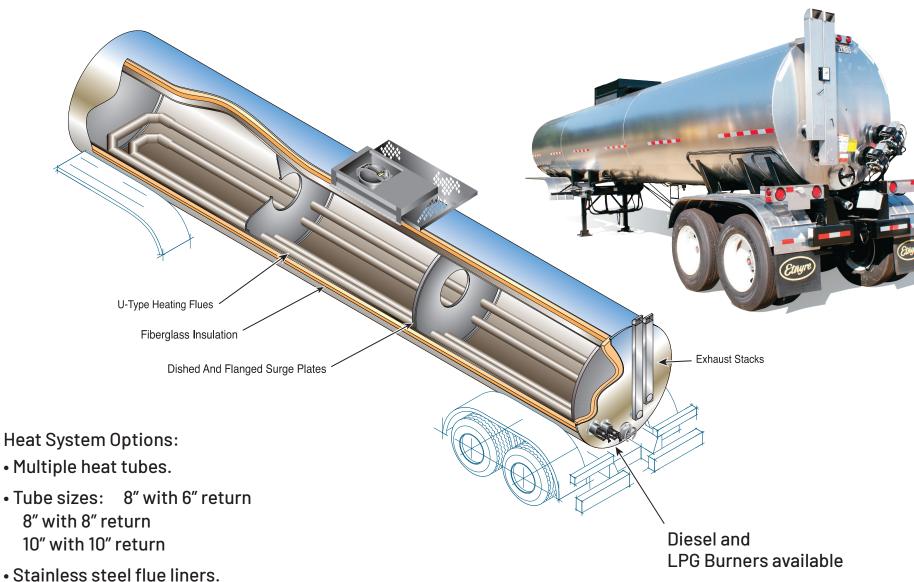




- Stainless steel construction.
- Holds heat around valve.
- Allows for safe, uniform heating of valve.

Steam Heat available

Optional Heat System



Fuel Oil

• Burners: Liquid Propane







































1333 South Daysville Road, Oregon, Illinois 61061 Phone: 800-995-2116 or 815-732-2116 • Fax 815-732-7400 Web Site: www.etnyre.com • E Mail: sales@etnyre.com

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