

# DW-452

**DOUBLE WALL FRAC TANK**  
**SMOOTH WALL, 450 BBL**



SABRE PATENTENED DUAL MANWAY HOUSING

## DESIGN FEATURES

- Easy-to-Clean Design Reduces Cost
  - Patented Dual Manway Housing for easy access to interior of tank
  - "V"-Bottom Floor for Complete Clean-Out
  - Smooth Wall Interior for Easy Cleaning
  - No Corrugations
  - No Internal Rods

## ADDITIONAL SAFETY FEATURES

- Safety stairway eliminates need for workers to get on top of tank
- Grip Strut steps to prevent slipping
- Handrails and Stairways painted safety yellow for high visibility
- Safe Operation reminder decals applied
- Attached Strapping Charts

## WEIGHTS AND MEASURES

- Capacity: 450 BBL (Entire Tank Capacity)  
390 BBL (Actual Fluid Capacity)
- Height: 9'-6" (Grade to Roof Deck)  
8'-6" (Wall)
- Width: 8'-6" (Outside)  
7'-2 1/2" (Inside)
- Length: 46'-0" (Front Nose to Rear)  
37'-0" (Tank Body)
- Weight: 37,500 lbs.

## STRUCTURAL DESIGN

- Exterior Floor: 1/4" thick ASTM A36 carbon steel (V-bottom)
- Interior Floor: 1/4" thick ASTM A36 carbon steel (V-bottom)
- Interior Sides/Ends: 1/4" thick ASTM A36 carbon steel
- Exterior Sides/Ends: 3/16" thick ASTM A36 carbon steel
- Main Roof: 1/4" thick ASTM A36 carbon steel (single)
- Wall Posts: 3/16"x3"x6" ASTM A36 formed channel
- Roof Members: 3" Structural Channel

## FEATURES

- Manways: (1) 22" Dia. Low-Profile - Top Buna-N Gasket
- Dual Manway Housing: (1) Patented 36" Dia. Manway Exterior x 22" Dia. Interior w\ Buna-N Gasket
- Relief Valve: 16 oz./in2 pressure setting, 0.4 oz./in2 vacuum setting; Buna-N seal.

- Valves: 4" - wafer butterfly valve. Cast iron body, Buna-N seat & seals, 316 SS stem, Nylon coated ductile iron disk w/plug and chain.
- Front Drain: 4"-150# flanged w\ butterfly valve
- Front Aux. Port: 4"-150# flanged w\ butterfly valve
- Rear Drain: 4"-150# flanged w\ butterfly valve
- Interstitial Drain: (2) - 2" Threaded w\ Plug Front & Rear
- Interstitial Test Port: (1) - 2" Threaded w\ Sight Glass Front
- Front Feed Port: 4"-150# flanged w\ Plug
- Roof Connections: (1) Vapor Recovery: 4"-150# Threaded Flange & Plug  
(1) Auxiliary Port: 4"-150# Threaded Flange & Plug  
(1) Gauging Port: 2" threaded w\ Sight Glass
- Rear Connections: (1) Auxiliary Port: 4"-150# Threaded Flange & Plug
- Front Stairway: 24" Bolt-On w\ Landing - OSHA Compliant
- Rear Stairway: 24" Access to Rear Platform w\ Fold-Up Ladder
- Axle: 77 1/2" track \ 22,500# Capacity \ 5" Rd
- Suspension: Spring \ 3-Leaf Spring \ High Arch Flange Mount Hangers \ 3/4" Seat 22,500# Capacity
- Tires: 11R22.5 \ 14-Ply
- Wheels: Steel \ Hub-Piloted

## PAINT SPECIFICATIONS

- Interior Blast: SSPC-SP-10 \ Near White Blast
- Interior Coating: Carboline Phenoline 310 (100% Solids) High Performance Epoxy Coating 20 - 30 Mills D.F.T.
- Exterior Blast: SSPC-SP-6 \ Commercial Blast
- Exterior Coating: Carboline Carbothane 8812 \ 8845 DTM High Gloss Polyurethane 3 - 5 Mills D.F.T.

## OPTIONS

- Steam Coil
- HD Lifting Lugs
- External Frac
- Internal Frac
- Gel Line
- Jet Line
- Float Gage
- Feed Lines
- Additional Aux. Ports
- Additional Manways
- ABS Brake System
- DOT Light Package
- Stainless Steel (304 / 316)
- Custom Interior Coatings
- Custom Exterior Colors

## TESTS/CERTIFICATIONS

- Tests Performed: Hydrostatic Water Test • Electrical Function Test  
Brake System Test
- Warranty: 1 year Structural • 6 Months Coating

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. No guarantee of accuracy is given or implied because variations can and do exist.  
NO WARRANTY OR GUARANTEE OF ANY KIND IS  
MADE BY SABRE MFG LLC, EITHER EXPRESSED OR IMPLIED.

5420 E STATE RD 8 • KNOX, IN  
574-772-5380

**888-772-5580**  
5420 E. STATE RD 8, KNOX, IN 46534  
WWW.MANITEXSABRE.COM  
PROUDLY MADE IN THE U.S.A. 



# FRT-452

## EZ STEP ROUND BOTTOM FIXED AXLE FRAC TANK



SABRE PATENTED DESIGN

### DESIGN FEATURES

- Integrated Safety Stairway
  - Easy to Inspect Top Manway
  - No Guardrails to set up or take down
  - No moving parts or pins
  - Eliminates potential for guardrails violating height restrictions
- Easy-to-Clean Design Reduces Cost
  - "Round"-Bottom Floor for Complete Clean-Out
  - Smooth Wall Interior for Easy Cleaning
  - No Corrugations
  - No Internal Rods

### ADDITIONAL SAFETY FEATURES

- Safety stairway eliminates need for workers to get on top of tank
- Grip Strut steps to prevent slipping
- Handrails and Stairways painted safety yellow for high visibility
- Safe Operation reminder decals applied
- Attached Strapping Charts

### WEIGHTS AND MEASURES

- Capacity: 500 BBL (21,000 gallons)
- Height: 11'-0" (Grade to Roof Deck)  
10'-0" (Wall)
- Width: 8'-6" (Outside)  
8'-0" (Inside)
- Length: 46'-0" (Front Nose to Rear)  
42'-0" (Tank Body)
- Weight: 29,950 lbs.

### STRUCTURAL DESIGN

- Floor: 1/4" thick ASTM A36 carbon steel (Round Bottom)
- Sides/Ends: 1/4" thick ASTM A36 carbon steel
- Main Roof: 1/4" thick ASTM A36 carbon steel
- Wall Posts: 3/16"x3"x6" ASTM A36 formed channel
- Roof Members: 3" Structural Channel



Dual Jet Line



Single Jet Line

### OPTIMUM FLUID MIXING

### FEATURES

- Manways: (4) 22" Dia. w\ Wingnut Closure Buna-N Gasket
- Relief Valve: 16 oz./in2 pressure setting, 0.4 oz./in2 vacuum setting; Buna-N seal.
- Valves: 4"- wafer butterfly valve. Cast iron body, Buna-N seat & seals, 316 SS stem, Nylon coated ductile iron disk w/plug and chain.
- Front Drain: 4"-150# flanged w\ butterfly valve
- Rear Drain: 4"-150# flanged w\ butterfly valve
- Front Feed Line: 3" w\ Cap & Chain
- Roof Connections: (1)Vapor Recovery: 4"-150# Threaded Flange & Plug (1) Auxilliary Port: 4"-150# Threaded Flange&Plug (1)Gauging Port: 2" threaded plugged port
- Stairway: 30" Bolt-On w\ Landing – OSHA Compliant
- Axle: 77 1/2" track \ 22,500# Capacity \ 5" Rd
- Suspension: Spring \ 3-Leaf Spring \ High-Arch Flange Mount Hangers \ 3/4" Seat 22,500# Capacity
- Tires: 11R22.5 \ 14-Ply
- Wheels: Steel \ Hub-Piloted

### PAINT SPECIFICATIONS

- Interior Blast: SSPC-SP-10 \ Near White Blast
- Interior Coating: Carboline Phenoline 310 (100% Solids) High Performance Epoxy Coating 20 – 30 Mills D.F.T.
- Exterior Blast: SSPC-SP-6 \ Commercial Blast
- Exterior Coating: Carboline Carbothane 8812 \ 8845 DTM High Gloss Polyurethane 3 – 5 Mills D.F.T.

### OPTIONS

- Steam Coil
- HD Lifting Lugs
- External Frac
- Internal Frac
- Gel Line
- Jet Line
- Float Gage
- Feed Lines
- Additional Aux. Ports
- Additional Manways
- ABS Brake System
- DOT Light Package
- Stainless Steel (340 / 316)
- Custom Interior Coatings
- Custom Exterior Coatings
- Dual Manifold Configurations

### TESTS/CERTIFICATIONS

- Tests Performed: Hydrostatic Water Test • Electrical Function Test  
Brake System Test
- Warranty: 1 year Structural • 6 Months Coating

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. No guarantee of accuracy is given or implied because variations can and do exist. NO WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SABRE MFG LLC, EITHER EXPRESSED OR IMPLIED.

5420 E STATE RD 8 • KNOX, IN • 574-772-5380



**888-772-5580**  
5420 E. STATE RD 8, KNOX, IN 46534  
WWW.MANITEXSABRE.COM  
PROUDLY MADE IN THE U.S.A. 

# CUSTOM FABRICATION

QUALITY TANKS - BUILT THE WAY YOU WANT

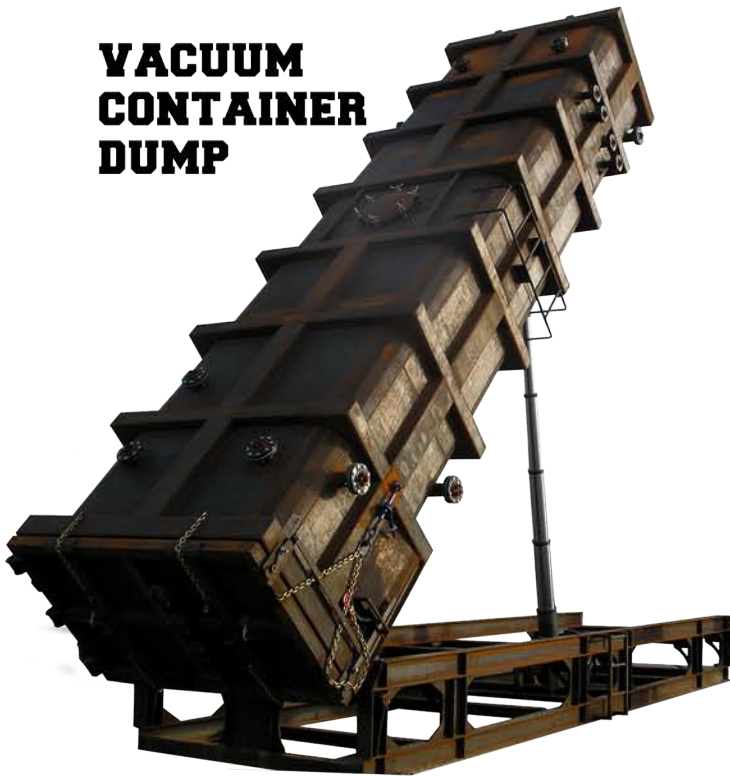


**825BBL**

**CARBON FILTRATION UNIT**



**VACUUM  
CONTAINER  
DUMP**



**FROM DESIGN TO MANUFACTURING,  
SABRE MANUFACTURING CAN HANDLE YOUR PROJECTS**



**888-772-5580**  
5420 E. STATE RD 8, KNOX, IN 46534  
WWW.MANITEXSABRE.COM  
PROUDLY MADE IN THE U.S.A. 