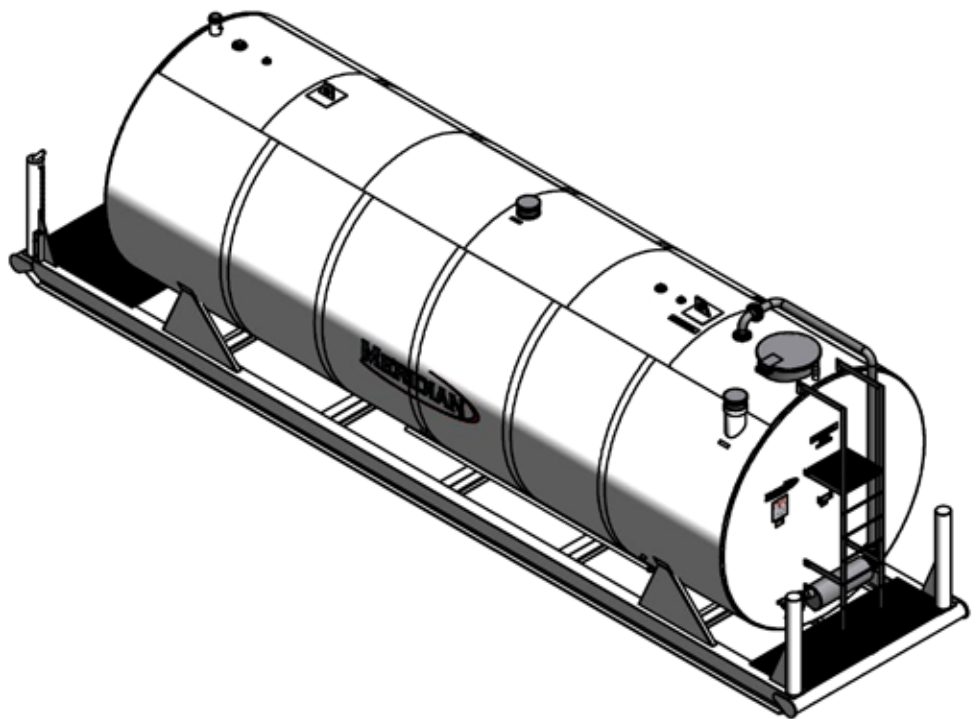


# MERIDIAN

## OPERATOR'S MANUAL



**50, 61, 65 & 75,000L DW Fuel Tanks**

**CAN-ULC-S601-07**





**ATTENTION DEALERS:**

You can register your products online through the  
Dealer Login: <http://dealers.meridianmfg.com/login/>

**“Warranty Registration Form”:**

It is mandatory to complete this form and return to the manufacturer in order to qualify for future warranties that may arise; knowingly falsifying information on this form will result in the voiding of the product warranty.

Dealer Information
Name: _____
Address: _____
City, State, Code: _____
Phone: _____

Customer Information
Name: _____
Address: _____
City, State, Code: _____
Phone: _____

**Note;** registering a product in multiple entry format is only allowed when; the product has the same Model # and the same dealer, however **each serial number must be legibly listed for each unit.** Delivery dates for a multiple entry must be within a 1 month time frame.

**Product Information:** \_\_\_\_\_

**Model #:** \_\_\_\_\_

**Serial #:** \_\_\_\_\_

**Invoice Date:** \_\_\_\_\_

**\*Warranty Acknowledgement \***

The **“Product Warranty”** along with the **“Operator’s Manual”** for this product purchase has been reviewed and understood by the end user.

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Important:** Please send this form to the Meridian Manufacturing Location which built this product being registered; if you require further assistance call your Dealer or the Meridian Manufacturing outlet nearest to your location.

We want to thank you for purchasing a Meridian manufactured product. Whether this is your first Meridian purchase or you have been a customer for years; you are now part of the Meridian community of customers and we appreciate your business.

It is important that you now complete the product registration information and this form indicating you have received delivery. This registration and information is necessary to ensure you have access to warranty and product updates in the event it be required in the future.

Registration can be completed by using this form or visiting your dealer who will complete the form online. You will be given access to the Meridian Community and become eligible for updates, special offers and prizes.

**Again thank you for choosing Meridian.**

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## Thank You!

Thank you for purchasing the Meridian a 50, 61, 65 or 75,000L Fuel Tank and putting your trust in our hands. Setting the standard for excellence in the storage and fuel handling industry our double wall fuel tanks meet and exceed all safety and environmental standards. Built with meticulous attention to detail by an enthusiastic and skilled production team our best references are thousands of customers, like you, who have placed their trust in our superior design and technology.

## Codes, Regulations and Guidelines

Built to exacting standards your 50, 61, 65 or 75,000L Fuel Tank is designed to give years of trouble free use. To ensure it provides that service, **it is critical all operators read this entire manual before attempting to install or operate your new tank.** If you become familiar with all maintenance and safety procedures, pay close attention to safety labels and diagrams your Meridian Fuel Tank will provide years of environmentally safe trouble free service.

Fuel storage tanks fall under a variety of governmental jurisdictions; therefore the following references in this manual are provided only as a general outline. You may be subject to different legislation and governing bodies in your specific location.

**IT IS THE TANK OWNER'S RESPONSIBILITY TO DETERMINE WHAT CODES AND REGULATIONS MUST BE FOLLOWED IN YOUR LOCAL AREA**

Meridian Manufacturing assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from, the use of this manual. Meridian Manufacturing reserves the right to make changes to this manual at any time without obligation or notice.

### IMPORTANT

Dependent on the pump and accessory options you ordered additional operator manuals are included with the delivery of your tank. All operators must read and become familiar with these manuals before attempting to install or operate the new tank. Failure to follow these procedures may invalidate any or all warranties.

## Personal Safety

Throughout this manual and on fuel tank decals, in accordance with ISO standards, you will find the signal words “**DANGER**”, “**WARNING**”, and “**CAUTION**” followed by specific instructions. These instructions are there to protect your personal safety and the personal safety of those working with you. Take the time to read these statements and follow the instructions.



Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious bodily injury.



Indicates a potentially hazardous situation which, if not avoided **COULD** result in minor or severe bodily injury.



Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate bodily injury.



## Machine Safety

In addition to notes on personal safety the following text notes on Machine Safety will appear as related to machine safety. Following these instructions will help the user avoid possible machine damage.

**IMPORTANT:** indicates a situation which, if not followed, **WILL** involve deterioration or damage to equipment.

## General Notes

The following general notices also appear in the manual. These notices draw attention to correct procedures that will assist the operator.

**NOTE:** Indicates an important installation, operation and/or maintenance procedure which if not followed **MAY** result in deterioration or damage to the equipment.

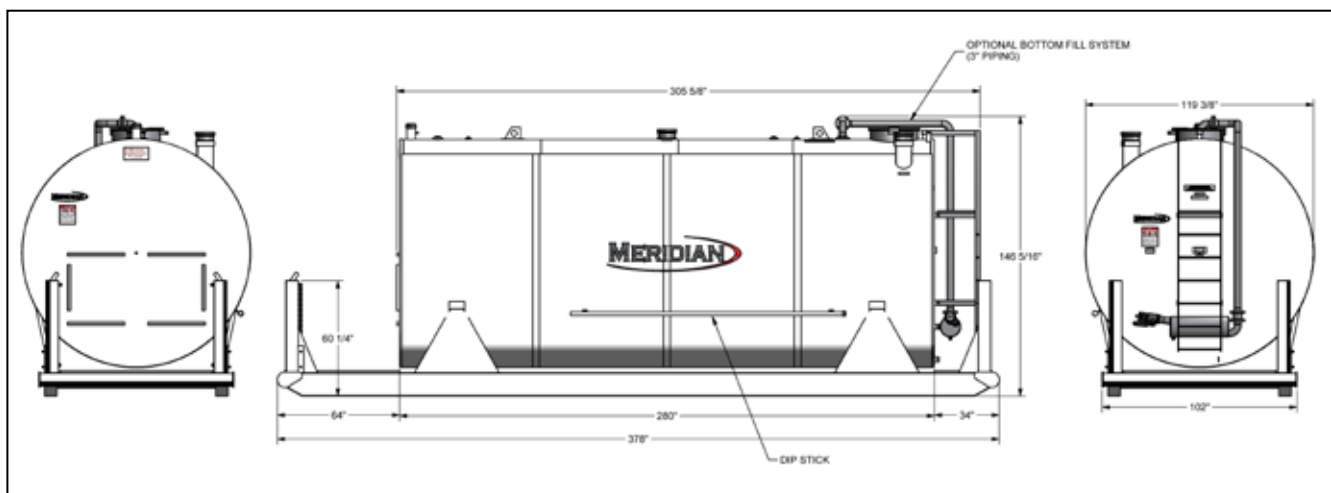
**ATTENTION:** Indicates important procedures which should be followed.

## Introduction

The 50, 61, 65 & 75,000L model fuel tanks are designed to meet ULC S601-07 standards for strength and durability. This tank can accommodate a variety of fuel types and features a 100% containment system that is designed to prevent costly leaks.

- CAN-ULC-S601-07 APPROVED
- 100% SECONDARY CONTAINMENT
- HEAVY GAUGE CONSTRUCTION
- LIFTING LUGS
- EMERGENCY VENTS
- SPARE PORT FITTINGS
- FULLY WELDED HEAVY DUTY SKID
- LADDER / PLATFORM FOR EASY & FAST ACCESS TO FILL PORTS
- PREMIUM POWDER COAT FINISH

50,000L Fuel Tank	Metric	Imperial
Volume 100% Compartment	50,015 liters	11,001.76 gallons
Diameter	303.2 cm	119.37 in.
Tank Length	711.2 cm	280 in.
Tank Length (with Ladder)	776.28 cm	305.62 in.
Tank Length (With Skid)	960.12 cm	378 in.
Weight (empty)	8,341 kg	18,388.7 lb.
Skid Weight	1,722 kg	3,796.3 lb
Bottom Fill Weight	138 kg	304.2 lb

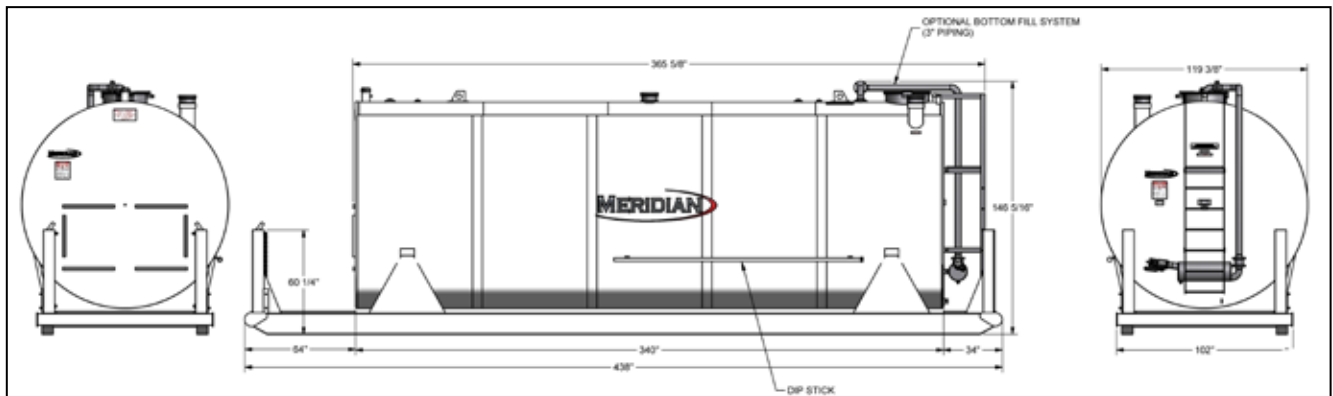




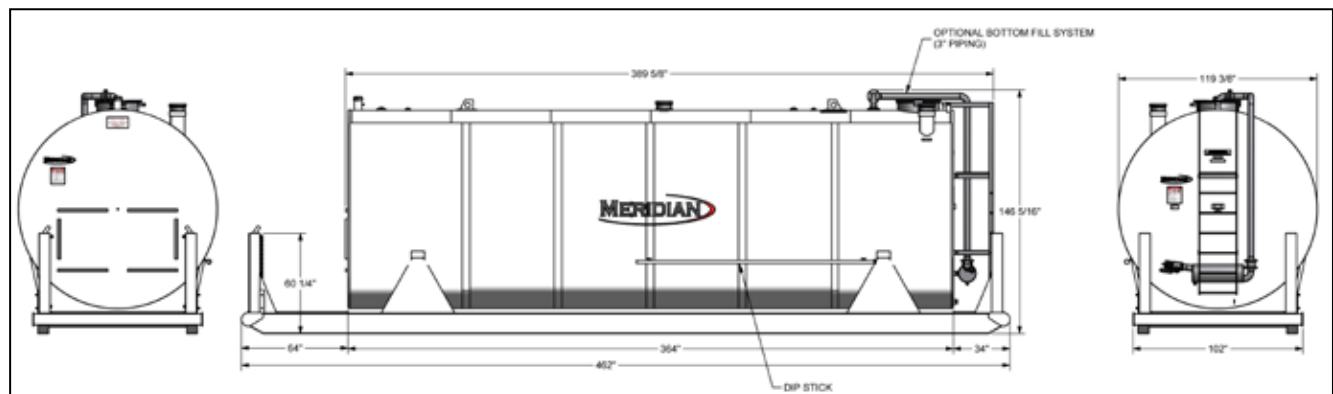
## 50, 61, 65 & 75,000L DW Fuel Tanks

### Introduction

61,000L Fuel Tank	Metric	Imperial
<b>Volume 100% Compartment</b>	60,790 liters	13,371.9 gallons
<b>Diameter</b>	303.2 cm	119.37 in.
<b>Tank Length</b>	863.6 cm.	340 in.
<b>Tank Length (with Ladder)</b>	928.6 cm	365.59 in.
<b>Tank Length (with Skid)</b>	1,112. 5 cm	438 in.
<b>Tank Weight (empty)</b>	9,813 kg	21,633.9 lb..
<b>Skid Weight</b>	1,912 kg	4215.2 lb.
<b>Bottom Fill Weight</b>	138 kg	304.2 lb

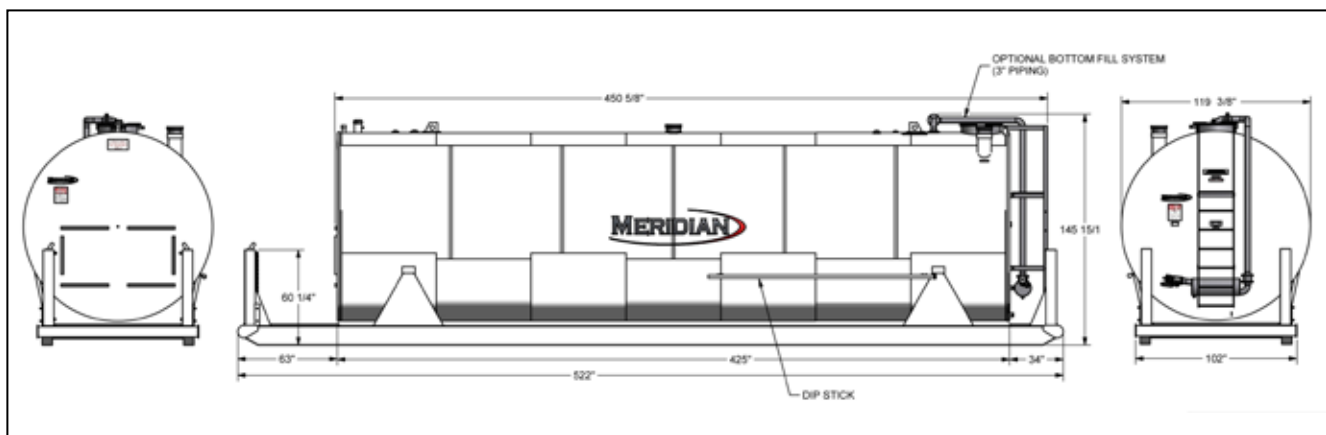


65,000L Fuel Tank	Metric	Imperial
<b>Volume 100% Compartment</b>	65,100 liters	14,320 gallons
<b>Diameter</b>	303.2 cm	119.37 in.
<b>Tank Length</b>	924.5 cm	364 in.
<b>Tank Length (with Ladder)</b>	1,012.5 cm	3,986 in.
<b>Tank Length (with Skid)</b>	1,173.48 cm	462 in.
<b>Tank Weight (empty)</b>	8,297 kg	18,291.7 lb.
<b>Skid Weight</b>	1,914 kg	4,219.6 lb.
<b>Bottom Fill Weight</b>	138 kg	304.2 lb.



## Introduction

75,000L Fuel Tank	Metric	Imperial
Volume 100% Compartment	75,875 liters	16,690.16 gallons
Diameter	303.21 cm	119.29 in.
Tank Length	1079.5 cm	425 in.
Tank Length (with Ladder)	1,144.59 cm	450.62 in.
Tank Length (with Skid)	1,325.8 cm	521.96 in.
Tank Weight (empty)	9,234 kg	20,357.5 lb.
Skid Weight	2,100 kg	4,629.7 lb.
Bottom Fill Weight	138 kg	304.2 lb.

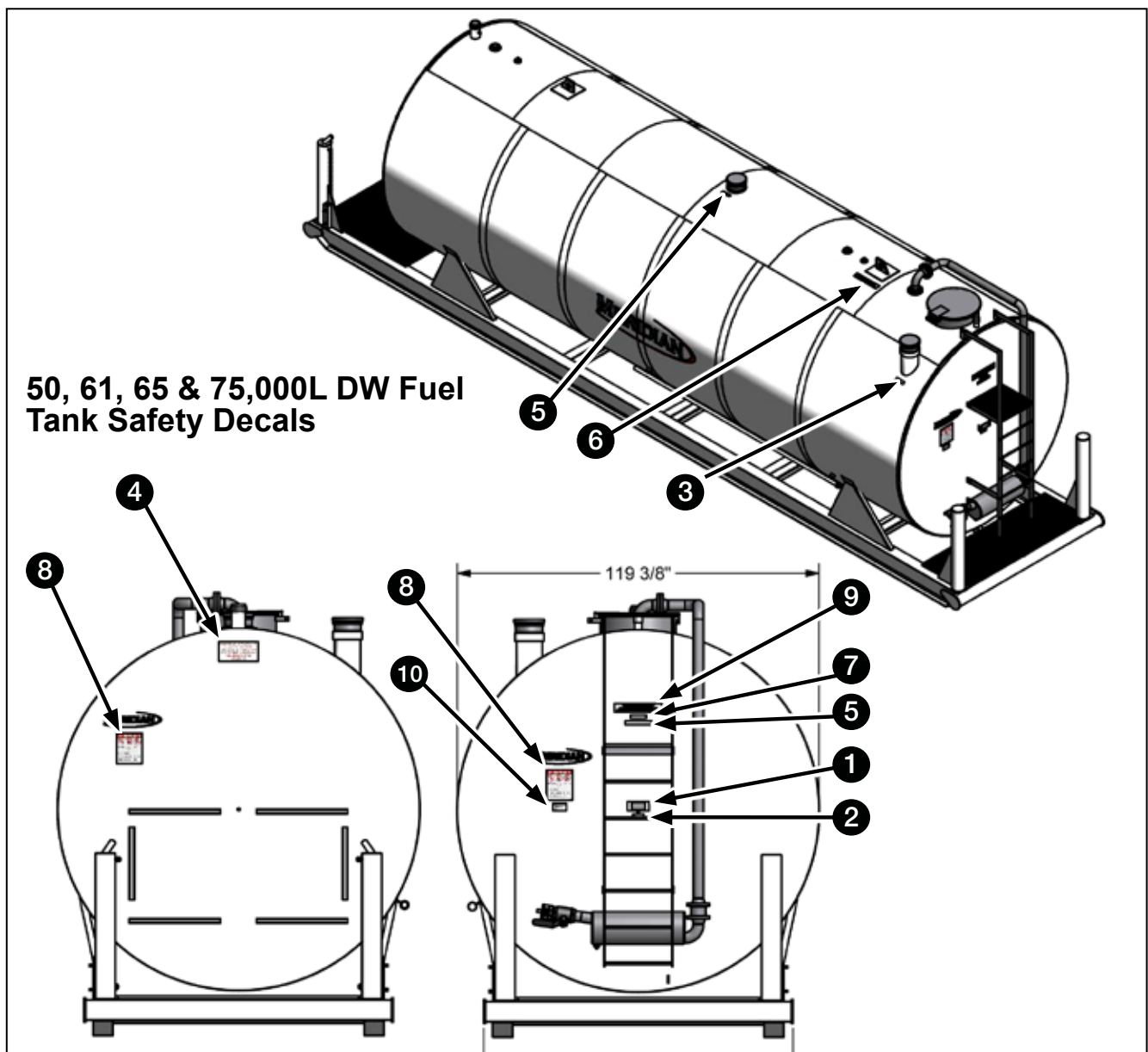


## Safety Decals






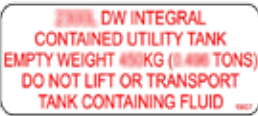

The following warning decals (see table next page) are installed on the tank at the indicated areas. Decals will vary dependent on the options associated with the selected model. They are intended for the safety of you and those working with you. Please become familiar with the location of these warning decals and the information contained on them.



If the safety decals become damaged or cannot be clearly or easily read they must be replaced.



**50, 61, 65 & 75,000L DW Fuel Tanks**  
**Safety Decals**

Decal Number	Description, Part Number and Location	Image
1	ULC Plate (P/N 20027) located on rear of tank.	 A black rectangular decal with white text. It features the ULC logo on the left. The text includes: 'ABOVEGROUND STEEL TANK FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS - CANULC-581-57 INTEGRAL CONTAINED', 'LISTER 50000', 'SERIAL NO. [blank]', 'YEAR [blank]', 'FACTORY ID. [blank]', 'TANKER TANK CAPACITY [blank]', 'TANKER TANK VOLUME [blank]', 'MAXIMUM OPERATING PRESSURE 2.5 MPa', 'MAXIMUM TEST PRESSURE [blank]', 'MAXIMUM OPERATING TEMPERATURE [blank]', and 'MERIDIAN MANUFACTURING GROUP'.
2	Serial Number Decal	 A white rectangular decal with a black border. It features the Meridian logo at the top. Below the logo, it says 'SERIAL # : XXXXXXXXXXXXXXXXXX', 'MODEL # : XXXXXXXXXXXXXXXXXX', 'Lethbridge, Alberta (R01) XXX XXXX', and 'MADE IN CANADA'.
3	Emergency Vent Warning (P/N 20105) Located below Emergency Vent.	 A white rectangular decal with a black border. It contains the text: 'EMERGENCY VENTS SHALL BE INSTALLED PRIOR TO USE. DO NOT PLUG OR USE FOR ALTERNATIVE PIPING.'
4	Containment Inspection Warning. (P/N 20045) Located below Containment Inspection Port	 A white rectangular decal with a black border. It contains the text: 'CHECK WEEKLY FOR ACCUMULATION OF LIQUIDS IN CONTAINMENT AND REMOVE ANY ACCUMULATION OF PRECIPITATION IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION'.
5	Normal Vent Warning (P/N 20026) Located below 3" Spare Port	 A white rectangular decal with a black border. It contains the text: 'NORMAL VENT(S) SHALL BE INSTALLED PRIOR TO USE. DO NOT PLUG OR USE FOR ALTERNATIVE PIPING'.
6	Lifting Lug Warning (P/N 50K 19046, 61K 19047, 65K 17626, 75K 17982) Located Below Lifting Lug.	 A white rectangular decal with a black border. It contains the text: '50000L DW INTEGRAL CONTAINED UTILITY TANK', 'EMPTY WEIGHT 4500KG (9.9 TONS)', 'DO NOT LIFT OR TRANSPORT TANK CONTAINING FLUID'.
7	Fill Warning (P/N 20022) Located below Vented Fill Cap.	 A white rectangular decal with a black border. It contains the text: 'DO NOT FILL THIS TANK WHEN DISPENSING IS IN OPERATION'.

Decal Number	Description, Part Number and Location	Image
8	Danger Safety Decal (P/N 20048) Located on both ends of the tank.	
9	Jurisdictional Warning (P/N 20046) Located on dispensing end of tank.	
10	Warning Falling Hazard (P/N 19961) Located next to climbing ladder.	

## 50, 61, 65 & 75,000L DW Fuel Tanks

### Installing The Tank

### Installing The Tank

This document only covers general installation instructions. Consult the correct authority having jurisdiction in your area prior to tank installation.

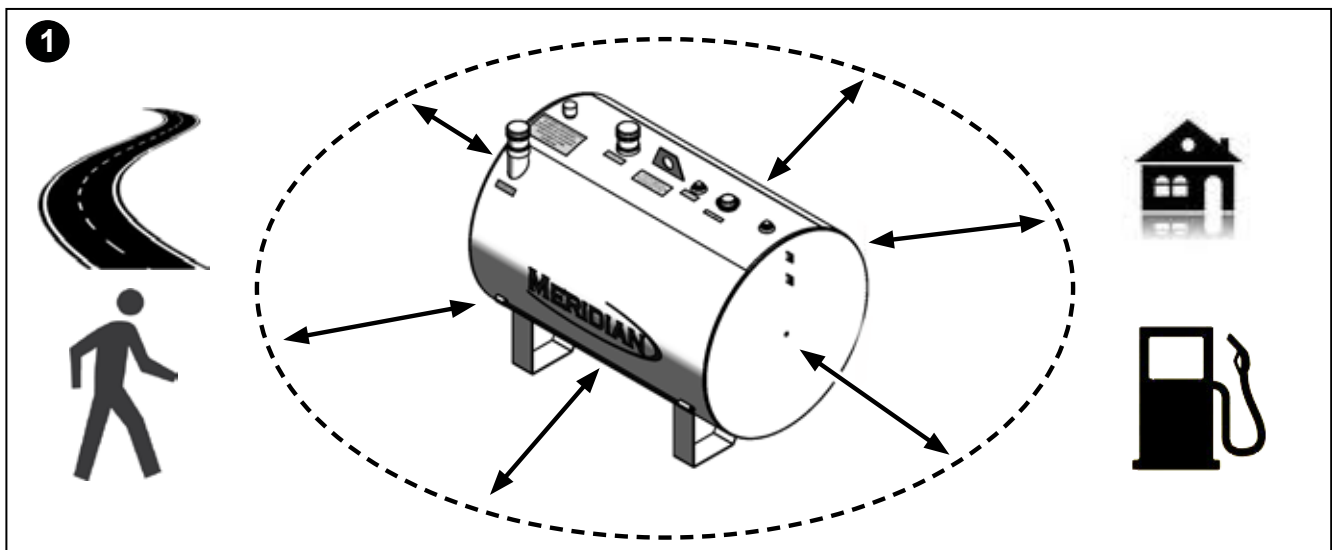
NOTE: This tank must be installed by a qualified tank installer who shall consult with the proper authorities with jurisdiction to ensure all requirements of CAN/ULC-S601-07 and all Federal, Provincial and Local codes are being met prior to installation. Failure to do so, could void your warranty.

### Installation

All timber/frames used in shipping must be completely removed from the tank prior to installation of tank.

### Location

The tank shall be placed at a safe distance from buildings, other tanks, roadways, waterways, property lines, public ways, etc. Refer to applicable codes and local authorities.



### Tank Base

The tank shall be installed on a level base designed to support the tank weight plus 100% liquid loading. The tank skid or legs shall be the only part of the tank in contact with the foundation or base.

### Tank Lifting

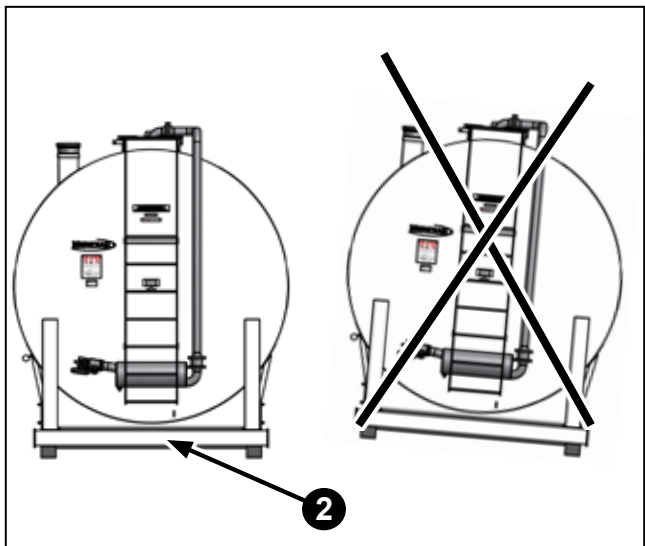
Only the lifting lugs provided with the tank shall be used for unloading or moving of the tank. Do not lift tank containing fluid at any time.

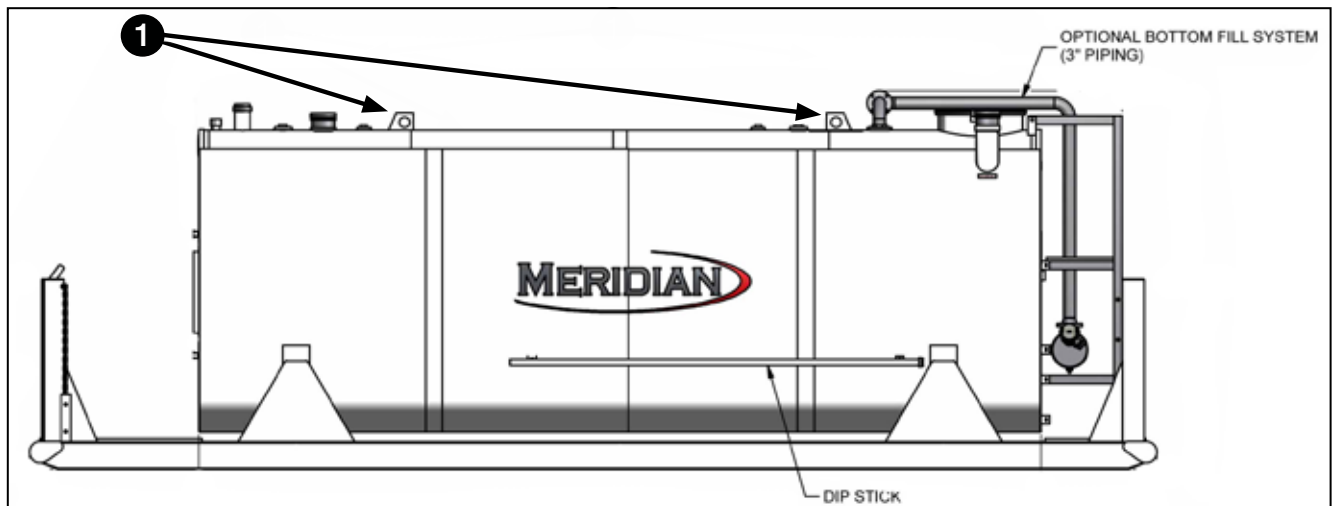
### Tank Inspection

The tank installer shall ensure that all fittings, have not loosened during transportation and that they are sealed and tight.

Check all painted areas of tank for damage due to shipping and also at final installation.

All scratched or scuffed areas must be touched up





with paint prior to use. If the damages are deemed to affect the integrity of the tank, contact your distributor or dealer prior to putting any product in the tank.

### Tank Venting

The emergency vents are installed by Meridian Industries. The normal vent is to be field-installed by a qualified tank installer prior to use of the tank to prevent pressure or vacuum inside the tank during filling, emptying, or atmospheric temperature changes that may occur.

### Containment Inspection

The containment tank should be checked on a regular basis, to confirm that neither precipitation nor product has accumulated therein. The disposal of any liquid found in the containment shall be disposed of in accordance with the requirements of the authority having jurisdiction.

### Overfill Protection



The tank installer must ensure that an approved **OVERFILL PROTECTION DEVICE** is installed in the tank prior to the tank being filled with any fuel.

### Fuel Level Inspection Port

Is located in the 25" Spill Box on top of the tank. The 2" lockable port allows the tank to be probed with the dip stick located on the side of the tank in order that the remaining level of fuel is established (refer to the tank depth chart in the owner's manual) before the refueling of the tank begins.

### Spill Box Connection

Ensure the hose is properly secured to the 3" connection inside the Spill Box before refueling begins. Never leave while refueling the tank. After the refueling process is completed, drain the hose before

 **DANGER**   
**DO NOT** lift or attempt to transport tanks containing fluid at any time.

disconnecting to eliminate any spilling of fluid. Attach the fill cap and close the Spill Box lid.

### Bottom Fill (Optional)

The 3" bottom fill system has a one way valve installed at the factory to prevent fuel from flowing back down the fill line. Ensure the one-way valve has not been tampered with and is installed correctly (arrow pointing up). Secure the fill hose to the three inch bottom fill connection and then open the ball valve on the bottom fill before beginning the refueling process. Never leave while the refueling of the tank is in process. After refueling is complete drain the hose to eliminate any chance of spilled fuel. Close the ball valve, remove the hose and replace the fill cap on the bottom fill.

### Environmental Requirements

The tank installer shall ensure that all environmental requirements are implemented in accordance with the local authority having jurisdiction.

### Tank Protection

The installer is to ensure that the tank, is adequately protected against damage from vehicular traffic in compliance with all Federal, Provincial and Local Codes.

### Annual Tank Inspection & Maintenance

The tank is to be inspected annually and any repairs to the exterior coating shall be made at the time of inspection.

## Fuel Transfer Safety

Transfer procedures are to be used when transferring fuel from a delivery vehicle to the tank. Although some transfer procedures are unique to some facilities the following general safety procedures **MUST ALWAYS BE FOLLOWED**:

- Read the Operator Manual before using the fuel tank.
- **DO NOT** smoke when operating or refueling the fuel tank.
- Keep sparks, flames & hot material away from the fuel tank.
- Turn Vehicle ignition off and remove key from ignition before refueling.
- Keep vehicles at least 1.5 m (5') away from the fuel tank at all times.
- Never leave the tank unattended while refueling is in process.
- **DO NOT** overfill. 95% capacity is the maximum legal limit.
- Always turn pump off when finished fueling operations.
- Always store pump nozzle in dip pot when not in operation.



**DANGER**



**ALWAYS** determine how much fuel your tank can safely hold. Over filling the tank will cause spills. Check the fuel level by dip checking the tank prior to any fuel transfer. Instructions on the correct procedure for dip checking a tank can be found in this manual.

---



**WARNING**



**ALWAYS** start the fuel transfer at a reduced rate. This reduces the potential for the build up of static electricity

---



**DANGER**



**DO NOT OVERFILL.** Determine a Safe Gauge Height (SGH) this is how much fuel a tank can hold allowing for expansion due to temperature variations. A good rule of thumb is in summer months the tank should not be more than 90% full and in winter the tank should not be more than 95% full.

---



**WARNING**



**DO NOT** dispense fuel during transfer procedures.

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**WARNING**



**ALWAYS** maintain good communications with the driver of the delivery vehicle. Poor communication between the tank operator and the delivery driver often leads to spills and accidents.

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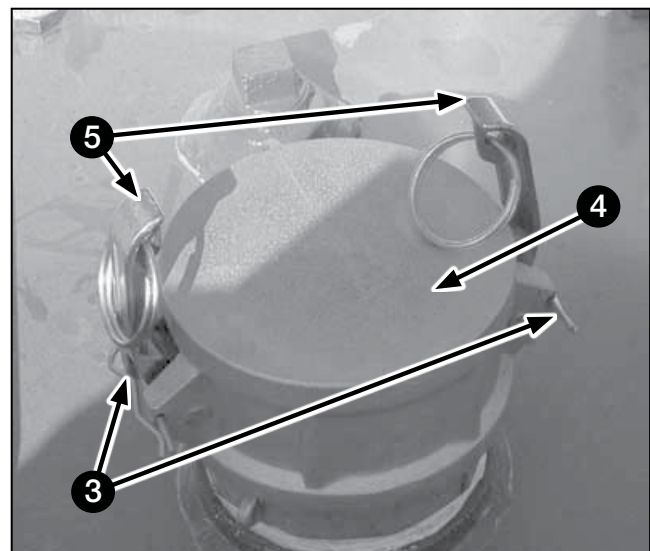
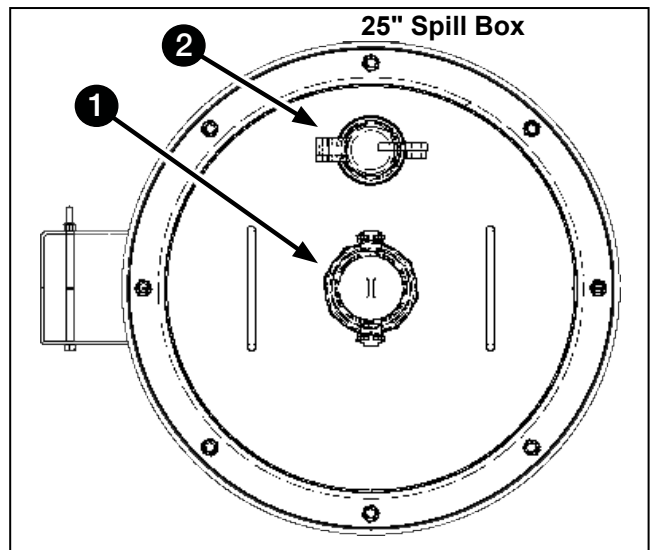
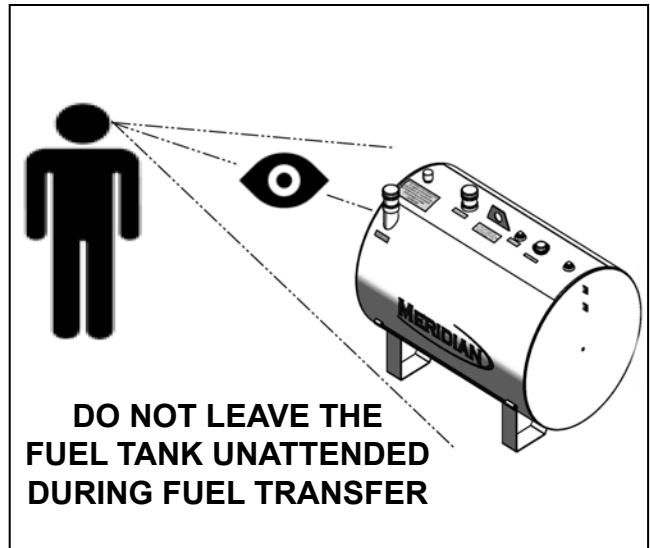


## Top Fill Procedure

1. Go up the ladder and standing firmly on the platform remove the pin that secures the Spill Box Cover and open it.
2. Lift the Spill Box Cover to expose the 3" Male Cam Lock (1) and the 2" Dip Port (2). Ensure area is clean before refueling begins.
3. Remove the two cotter pins (3) on each side of the 3" Male Cam Lock (1) that secure the top cap (4), lower the retraining latches (5) and pull off the top cap.
4. Check the fuel level of the receiving tank through the dip port to determine how much product it can take.
5. Have a pre-transfer meeting with the operator of the delivery vehicle. Determine the correct product is being transferred into the correct tank.
6. Inspect transfer hose for visible leaks, cracks or damage in the line. If leaks are present or later appear do not continue with transfer. Repair as necessary.
7. Attach 3" Female Cam Lock to 3" Male Cam Lock and hand tighten the connection.

**NOTE: If the delivery vehicle does not have a matching 3" Female Cam Lock then fill with a nozzle through the 3" fill port.**

8. Use the Dip Port (2) to monitor and measure the filling process by removing the single pin. Lift to open lid. Start delivery vehicle pump and slowly begin fuel transfer. Only increase the flow of the product from the delivery vehicle when you are sure there are no problems.
9. Regularly check fuel tank levels and do not over fill the tank. A good rule of thumb is in summer months the tank should not be more than 90% full and in winter the tank should not be more than 95% full.
10. Reduce fuel transfer rates when nearing the top of the tank to avoid overfilling the tanks.
11. Notify the delivery vehicle operator when the transfer procedure is almost complete.
12. Turn off the delivery vehicle delivery pump.
13. Detach delivery hose from the 3" Male Cam Lock (1).
14. Dip tank, read level on the dip stick and record the amount of fuel delivered.
15. Replace 3" Male Cam Lock Lid (1) and Dip Port Lid (2) and secure with pins.
16. Close and secure the Spill Box Cover.



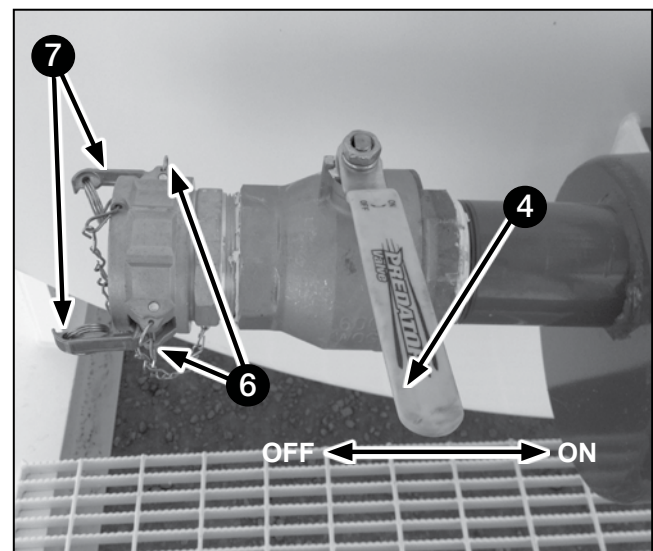
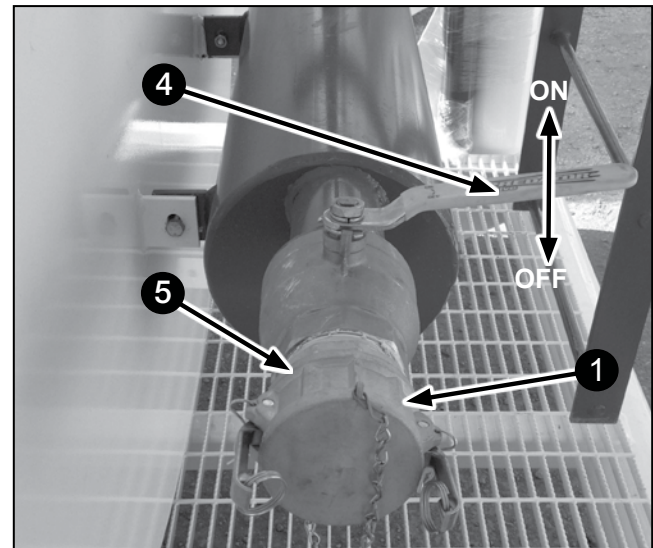
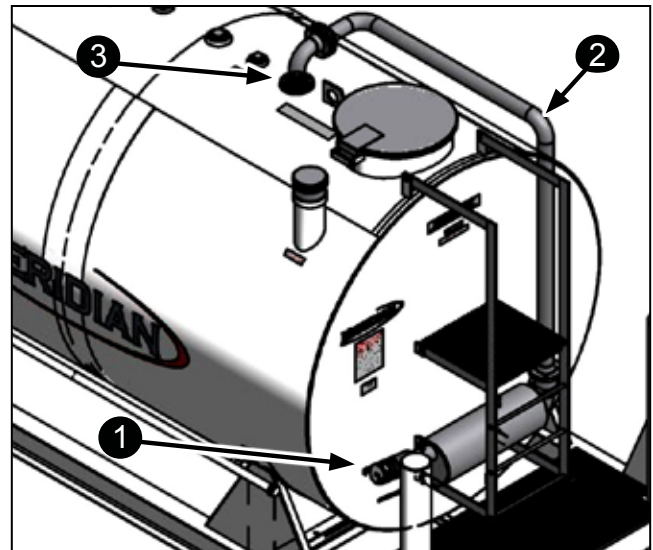
## 50, 61, 65 & 75,000L DW Fuel Tanks

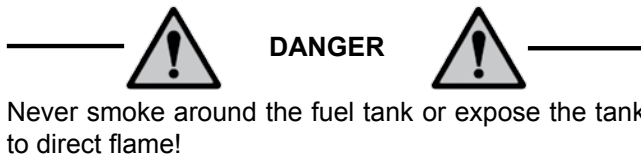
### Bottom Fill Procedure

#### Bottom Fill Procedure

The bottom fill fuel tank option is a more efficient way of filling large tanks. Fuel is pumped under pressure from the delivery vehicle into the tank using a 3" Male Cam Lock (1) located at the base of the tank platform, through pipes (2) leading to the top of the tank (3).

1. Climb the ladder and standing, with both feet firmly on the platform, remove the pin securing the Spill Box Cover.
2. Open the Spill Box Cover and check the fuel level of the receiving tank to determine how much product it can take. Determine the correct product is being transferred into the correct tank. Use the Dip Port to monitor the filling process.
3. Inspect transfer hose for visible leaks, cracks or damage in the line. If leaks are present or later appear do not continue with transfer. Repair as necessary.
4. Turn the bottom fill valve (4) to the **"OFF"** position. Wipe the area around the 3" Male Cam Lock (5) to prevent fuel contamination.
5. Remove the two pins (6) securing the Cam Lock Lid. Pull back the retaining levers (7) and remove the Cam Lock Lid.
6. Securely attach the transfer hose to the 3" male Cam Lock.
7. Turn the bottom fill valve (4) to the **"ON"** position.
8. Start delivery vehicle pump and slowly begin fuel transfer. Only increase the flow of the product from the delivery vehicle when you are sure there are no problems.
9. Regularly check fuel tank levels and do not over fill the tank. A good rule thumb is in summer months the tank should not be more than 90% full and in winter the tank should not be more than 95% full.
10. Reduce fuel transfer rates when nearing the top of the tank to avoid overfilling the tanks.
11. Notify the delivery vehicle operator when the transfer procedure is almost complete.
12. Turn off the delivery vehicle delivery pump.
13. Turn the bottom fill valve to the **"OFF"** position.
14. Dip tank, read level on the dip stick and record the amount of fuel delivered.
15. Ensure the delivery hose has been detached from the 3" Male Cam Lock (5). Replace 3" Male Cam Lock Lid (5) and Dip Port Lid (6) and secure with pins.
16. Close and secure the Spill Box Cover.





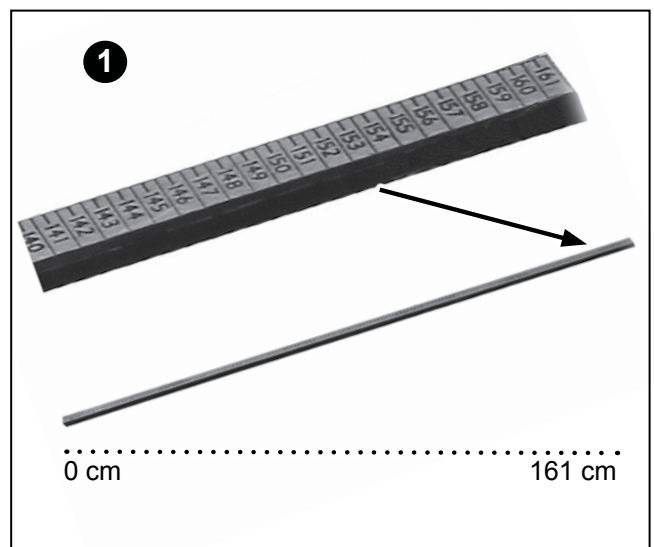
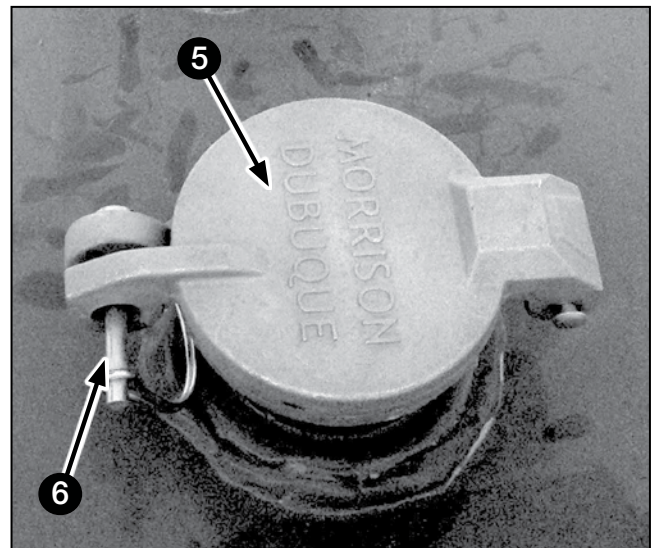
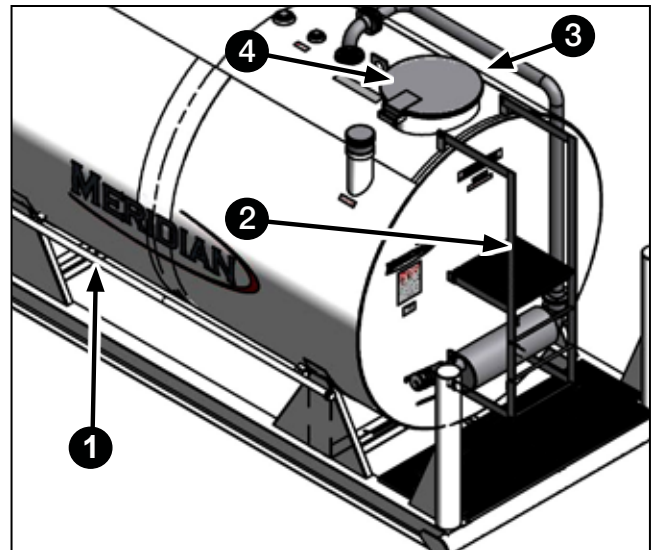
## Measuring Fuel Tank Levels

**NOTE:** After filling the tank wait 30 - 60 mins then dip check the tanks. This allows fuel to settle and will give more accurate readings.

1. Remove the dip stick (1) from its position at the side of the tank.
2. Climb the ladder (2) and standing firmly with both feet on the platform release the pin (3) securing the Spill Box Cover (4) and lift to open.
3. Locate the Dip Port (5) and remove the cotter pin (6) securing the Lid. Lift to open.
4. Insert the dip stick into the tank until it reaches the bottom.

**NOTE:** Ensure the dip stick is inserted with the lowest number on the dip stick placed toward the bottom of the tank.

5. Remove the dip stick (1) and take note of the amount of fuel in centimeters (cm) that is showing on the stick.
6. Compare the number of centimeters on the dip stick with the Fuel Tank Dip Chart in this manual to determine the amount of fuel in the tank.
7. Close the fill tube lid. Secure with cotter pin (6).
8. Close and secure Spill Box Cover. (4).



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## **Limited Warranty**

Meridian Manufacturing Inc., (hereinafter referred to as the Manufacturer) hereby warrants the tank(s) sold by it to be free from any defect in material or workmanship under normal use and service for a period of two (2) years from the date of shipment. The Manufacturer also warrants the structural integrity of the tanks(s) for a period of ten (10) years from the date of shipment. The Manufacturer's obligation under this warranty shall be limited to the repair or replacement only, FOB the original point of shipment, of any defective parts or portions of the tank or accessories manufactured by Meridian. Any warranty claim must be reported to the Manufacturer within two (2) years for general and coating claims or ten (10) years for structural claims, from the date of shipment and in the manner as referred to in paragraph 2 herein.

### **THIS WARRANTY IS SUBJECT TO THE FOLLOWING LIMITATIONS, PROVISIONS AND CONDITIONS**

1. This warranty does not apply to:
  - a. Any product sold by the Manufacturer where it is used in areas exposed to corrosive or aggressive conditions including salt water, acids, alkaloid, ash, cement dust, animal waste or other corrosive chemicals.
  - b. Failures or defects arising out of damage during shipment or during storage on site.
  - c. Materials replaced or repaired under this warranty except to the extent of the remainder of the applicable warranty.
  - d. Damage resulting from misuse, negligence, accident or improper site preparation by others.
  - e. Products that have been altered or modified by others.
  - f. (in the case of coating failures) failure as the result of damage, lack of proper maintenance or failure to remove road salt or other contaminants that may have come in contact with the tank surface.
  - g. Products that have not been installed strictly in accordance with the Manufacturer's manuals and instructions.
2. The obligation of the Manufacturer under this warranty shall not arise unless the Manufacturer is notified and this warranty is presented together with a written statement specifying the claim or defect within thirty (30) days after the failure is first detected or made known to the owner and within two (2) years for general and coating claims and ten (10) years for structural claims, from the shipment date. The Manufacturer in its sole discretion shall determine if the claim is valid and whether correction of the defect or failure shall be made by repair or replacement of the materials.
3. The coating warranty is based on the Manufacturer's performance specification for polyester powder finishes and does not include repair of minor blemishes or rusting that is normally part of the general maintenance of the tank.
4. The obligation of the Manufacturer hereunder extends only to the original owner and to the Meridian dealer to whom the materials may have been initially sold. This warranty shall not be subject to any assignment or transfer without the written consent of the Manufacturer.
5. The customer shall acknowledge that it has made its own independent decision to approve the use of the supplied materials and also the specific fabrication and construction procedures utilized to complete the tank, and has satisfied itself as to the suitability of these products for this particular application.
6. The foregoing sets forth the only warranties applicable to said materials and said warranties are given expressly and in lieu of all other warranties, expressed or implied, statutory or otherwise, of merchantability or fitness for a particular purpose and all warranties which exceed or differ from said warranties herein are disclaimed by the Manufacturer.
7. The owners sole and exclusive remedy against the Manufacturer shall be limited to the applicable warranty set forth herein and the endorsements, if any, issued together with this document and no other remedy (including but not limited to the recovery of assembly or disassembly costs, shipping costs, direct, incidental, special, indirect or consequential damages for lost profits, lost sales, injury to person or property or any other loss, whether arising from breach of contract, breach of warranty, tort, including negligence, strict liability or otherwise) shall be available to the owner or Meridian Dealer or any other person or entitles whether by direct action or for contribution or indemnity or otherwise.
8. The financial obligation of the Manufacturer under this warranty shall be limited to the repair or replacement of the product as originally supplied and in no event shall exceed the original cost of the product supplied.
9. The Manufacturer shall not have any obligation under any warranty herein until all accounts for materials, installation and erection of the said product thereof and for labor and other work performed by the Manufacturer or its dealers have been paid in full by the owner.

### **Warranty Claim Procedure**

- a. Advise the Dealer or Manufacturer immediately upon discovery of any defects.
- b. Complete the Fuel Tank Warranty Order Request found in the back of this manual in its entirety then mail or e-mail the form to [tankwarrantyca@meridianmfg.com](mailto:tankwarrantyca@meridianmfg.com)
- c. When the warranty claim form is received by the Manufacturer you will be contacted by our customer service department.
- d. Claims will be adjudicated at the sole discretion of the Manufacturer and in accordance with the terms and conditions of the applicable limited warranty.

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## Fuel Tank Warranty Order Request

### IMPORTANT!

- Advise the dealer or manufacturer immediately upon discovery of any defects.
- Complete the Fuel Tank Warranty Order Request found in the back of this manual in its entirety and e-mail the form to [tankwarrantyca@meridianmfg.com](mailto:tankwarrantyca@meridianmfg.com) or mail this form to: Meridian Manufacturing Fuel Tank Warranty Request, Lethbridge, AB Office 3125 24th Ave North. Lethbridge, AB T1H 5G2 (1-800-661-1436)
- When the warranty claim form is received by the manufacturer you will be contacted by our customer service department.
- Claims will be adjudicated at the sole discretion of the manufacturer and in accordance with the terms and conditions of the applicable limited warranty.

### Tank Information

Current Tank Location ☐ MMG Yard ☐ Dealer Yard ☐ Customer Yard

Model Number \_\_\_\_\_ Date Reported to MMG \_\_\_\_\_

Tank Serial Number \_\_\_\_\_ ☐ Repair On Site ☐ Repair Off Site

Describe Warranty Issue in Detail	
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Directions to Site \_\_\_\_\_

### Customer Information

Customer Name \_\_\_\_\_ Customer Contact \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ Province \_\_\_\_\_

Postal Code \_\_\_\_\_ Phone \_\_\_\_\_ Cell \_\_\_\_\_

### Dealer Information

Dealer Name \_\_\_\_\_ Dealer Contact \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ Province \_\_\_\_\_

Postal Code \_\_\_\_\_ Phone \_\_\_\_\_ Cell \_\_\_\_\_

### Company Use Only

Net Price to Charge on Invoice \_\_\_\_\_

Part Numbers Used in Repair \_\_\_\_\_

Directions	
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Claim Disposition ☐ Claim Approved ☐ Pending Inspection ☐ Claim Denied

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## 50,000L Fuel Tank Dip Chart (100% Compartment)

Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol
cm	L	cm	L	cm	L	cm	L	cm	L	cm	L	cm	L
1	16	45	4704	89	12423	133	21403	177	30703	221	39490	265	46748
2	46	46	4856	90	12617	134	21614	178	30912	222	39677	266	46883
3	85	47	5009	91	12812	135	21825	179	31120	223	39863	267	47017
4	130	48	5164	92	13008	136	22036	180	31328	224	40048	268	47149
5	182	49	5321	93	13204	137	22248	181	31536	225	40232	269	47279
6	239	50	5478	94	13400	138	22459	182	31744	226	40415	270	47408
7	300	51	5637	95	13597	139	22671	183	31951	227	40598	271	47534
8	367	52	5797	96	13795	140	22883	184	32158	228	40780	272	47659
9	437	53	5958	97	13993	141	23094	185	32364	229	40960	273	47781
10	511	54	6121	98	14192	142	23306	186	32570	230	41140	274	47902
11	589	55	6285	99	14392	143	23518	187	32776	231	41320	275	48020
12	671	56	6449	100	14591	144	23730	188	32982	232	41498	276	48137
13	756	57	6615	101	14792	145	23942	189	33187	233	41675	277	48251
14	844	58	6782	102	14993	146	24155	190	33392	234	41851	278	48363
15	935	59	6951	103	15194	147	24367	191	33596	235	42027	279	48472
16	1029	60	7120	104	15396	148	24579	192	33800	236	42201	280	48579
17	1125	61	7290	105	15598	149	24791	193	34004	237	42375	281	48684
18	1225	62	7461	106	15801	150	25003	194	34207	238	42547	282	48786
19	1327	63	7634	107	16004	151	25216	195	34409	239	42718	283	48886
20	1432	64	7807	108	16207	152	25428	196	34612	240	42889	284	48983
21	1539	65	7982	109	16411	153	25640	197	34813	241	43058	285	49077
22	1648	66	8157	110	16616	154	25852	198	35015	242	43226	286	49168
23	1760	67	8333	111	16820	155	26065	199	35216	243	43393	287	49256
24	1874	68	8511	112	17025	156	26277	200	35416	244	43559	288	49341
25	1990	69	8689	113	17231	157	26489	201	35616	245	43724	289	49423
26	2109	70	8868	114	17437	158	26701	202	35815	246	43888	290	49501
27	2229	71	9048	115	17643	159	26913	203	36014	247	44051	291	49575
28	2352	72	9229	116	17850	160	27124	204	36212	248	44212	292	49646
29	2476	73	9410	117	18056	161	27336	205	36410	249	44372	293	49712
30	2603	74	9593	118	18264	162	27548	206	36607	250	44531	294	49774
31	2731	75	9776	119	18471	163	27759	207	36804	251	44688	295	49831
32	2861	76	9960	120	18679	164	27971	208	37000	252	44845	296	49883
33	2993	77	10145	121	18887	165	28182	209	37195	253	45000	297	49929
34	3127	78	10331	122	19095	166	28393	210	37390	254	45153	298	49968
35	3262	79	10518	123	19304	167	28604	211	37585	255	45306	299	49998
36	3399	80	10705	124	19513	168	28815	212	37778	256	45457	300	50015
37	3538	81	10893	125	19722	169	29025	213	37971	257	45606		
38	3678	82	11082	126	19932	170	29236	214	38163	258	45754		
39	3820	83	11272	127	20141	171	29446	215	38355	259	45901		
40	3964	84	11462	128	20351	172	29656	216	38546	260	46046		
41	4109	85	11653	129	20561	173	29866	217	38736	261	46189		
42	4255	86	11844	130	20771	174	30076	218	38926	262	46332		
43	4403	87	12037	131	20982	175	30285	219	39115	263	46472		
44	4553	88	12230	132	21192	176	30494	220	39303	264	46611		

**50, 61, 65 & 75,000L DW Fuel Tanks**  
**Depth Chart**

**61,000L Fuel Tank Dip Chart (100% Compartment)**

Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol
cm	L	cm	L	cm	L	cm	L	cm	L	cm	L	cm	L
1	20	44	5534	87	14630	130	25246	173	36300	216	46850	259	55790
2	56	45	5717	88	14864	131	25502	174	36555	217	47082	260	55966
3	103	46	5902	89	15100	132	25758	175	36810	218	47312	261	56141
4	158	47	6089	90	15336	133	26014	176	37064	219	47541	262	56313
5	221	48	6277	91	15572	134	26271	177	37318	220	47770	263	56484
6	290	49	6467	92	15810	135	26527	178	37571	221	47998	264	56653
7	365	50	6658	93	16048	136	26784	179	37825	222	48225	265	56819
8	446	51	6851	94	16287	137	27041	180	38078	223	48451	266	56984
9	531	52	7046	95	16527	138	27298	181	38330	224	48675	267	57147
10	622	53	7242	96	16767	139	27555	182	38582	225	48899	268	57307
11	716	54	7440	97	17008	140	27812	183	38834	226	49122	269	57465
12	815	55	7638	98	17250	141	28070	184	39086	227	49344	270	57621
13	919	56	7839	99	17492	142	28327	185	39337	228	49565	271	57775
14	1026	57	8040	100	17735	143	28585	186	39587	229	49785	272	57926
15	1136	58	8244	101	17979	144	28843	187	39838	230	50004	273	58075
16	1250	59	8448	102	18223	145	29101	188	40087	231	50221	274	58222
17	1368	60	8654	103	18467	146	29358	189	40337	232	50438	275	58366
18	1489	61	8861	104	18713	147	29616	190	40586	233	50654	276	58507
19	1613	62	9069	105	18958	148	29874	191	40834	234	50868	277	58646
20	1740	63	9278	106	19205	149	30132	192	41082	235	51081	278	58782
21	1870	64	9489	107	19452	150	30390	193	41329	236	51293	279	58915
22	2003	65	9701	108	19699	151	30648	194	41576	237	51504	280	59045
23	2139	66	9914	109	19947	152	30906	195	41823	238	51713	281	59173
24	2278	67	10129	110	20195	153	31164	196	42068	239	51922	282	59297
25	2419	68	10344	111	20444	154	31422	197	42314	240	52129	283	59418
26	2563	69	10561	112	20693	155	31680	198	42558	241	52335	284	59535
27	2709	70	10778	113	20943	156	31938	199	42803	242	52539	285	59650
28	2858	71	10997	114	21193	157	32195	200	43046	243	52742	286	59761
29	3010	72	11217	115	21444	158	32453	201	43289	244	52944	287	59868
30	3163	73	11438	116	21695	159	32711	202	43531	245	53144	288	59971
31	3319	74	11660	117	21947	160	32968	203	43773	246	53343	289	60070
32	3477	75	11882	118	22198	161	33225	204	44014	247	53541	290	60165
33	3638	76	12106	119	22451	162	33483	205	44254	248	53737	291	60256
34	3800	77	12331	120	22703	163	33740	206	44494	249	53931	292	60341
35	3965	78	12557	121	22956	164	33997	207	44733	250	54125	293	60422
36	4131	79	12784	122	23209	165	34253	208	44971	251	54316	294	60497
37	4300	80	13011	123	23463	166	34510	209	45209	252	54506	295	60567
38	4471	81	13240	124	23717	167	34766	210	45446	253	54694	296	60630
39	4643	82	13470	125	23971	168	35023	211	45682	254	54881	297	60685
40	4818	83	13700	126	24226	169	35279	212	45917	255	55066	298	60733
41	4994	84	13931	127	24480	170	35534	213	46152	256	55250	299	60769
42	5172	85	14163	128	24735	171	35790	214	46385	257	55432	300	60790
43	5352	86	14396	129	24991	172	36045	215	46618	258	55611		

### 65,000L Fuel Tank Dip Chart (100% Compartment)

Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol
cm	L	cm	L	cm	L	cm	L	cm	L	cm	L	cm	L
1	21	44	5926	87	15667	130	27036	173	38874	216	50172	259	59745
2	60	45	6122	88	15918	131	27310	174	39147	217	50420	260	59934
3	110	46	6320	89	16170	132	27584	175	39419	218	50666	261	60121
4	169	47	6520	90	16423	133	27859	176	39692	219	50912	262	60306
5	237	48	6722	91	16677	134	28133	177	39964	220	51157	263	60489
6	311	49	6925	92	16931	135	28408	178	40235	221	51401	264	60669
7	391	50	7131	93	17186	136	28683	179	40506	222	51644	265	60848
8	477	51	7337	94	17442	137	28958	180	40777	223	51886	266	61024
9	569	52	7546	95	17699	138	29233	181	41048	224	52127	267	61198
10	666	53	7755	96	17956	139	29509	182	41318	225	52366	268	61370
11	767	54	7967	97	18214	140	29784	183	41588	226	52605	269	61540
12	873	55	8180	98	18473	141	30060	184	41857	227	52843	270	61707
13	984	56	8395	99	18732	142	30336	185	42126	228	53079	271	61871
14	1098	57	8611	100	18992	143	30612	186	42394	229	53315	272	62033
15	1217	58	8828	101	19253	144	30888	187	42662	230	53549	273	62193
16	1339	59	9047	102	19515	145	31164	188	42930	231	53782	274	62350
17	1465	60	9267	103	19777	146	31440	189	43197	232	54014	275	62504
18	1594	61	9489	104	20039	147	31716	190	43463	233	54245	276	62655
19	1727	62	9712	105	20303	148	31992	191	43729	234	54474	277	62804
20	1864	63	9936	106	20566	149	32269	192	43995	235	54703	278	62949
21	2003	64	10162	107	20831	150	32545	193	44260	236	54930	279	63092
22	2145	65	10389	108	21096	151	32821	194	44524	237	55155	280	63232
23	2291	66	10617	109	21361	152	33097	195	44788	238	55380	281	63368
24	2439	67	10847	110	21627	153	33374	196	45051	239	55603	282	63501
25	2591	68	11077	111	21894	154	33650	197	45314	240	55825	283	63631
26	2745	69	11309	112	22161	155	33926	198	45576	241	56045	284	63757
27	2902	70	11542	113	22428	156	34202	199	45837	242	56264	285	63879
28	3061	71	11777	114	22696	157	34478	200	46098	243	56482	286	63998
29	3223	72	12012	115	22964	158	34754	201	46358	244	56698	287	64112
30	3387	73	12249	116	23233	159	35030	202	46618	245	56912	288	64223
31	3554	74	12486	117	23503	160	35306	203	46876	246	57125	289	64329
32	3724	75	12725	118	23772	161	35581	204	47135	247	57337	290	64431
33	3895	76	12965	119	24042	162	35857	205	47392	248	57547	291	64528
34	4070	77	13206	120	24313	163	36132	206	47649	249	57755	292	64620
35	4246	78	13447	121	24584	164	36407	207	47905	250	57962	293	64706
36	4424	79	13690	122	24855	165	36682	208	48160	251	58167	294	64787
37	4605	80	13934	123	25126	166	36957	209	48414	252	58371	295	64861
38	4788	81	14179	124	25398	167	37231	210	48668	253	58572	296	64928
39	4972	82	14425	125	25671	168	37506	211	48921	254	58772	297	64988
40	5159	83	14671	126	25943	169	37780	212	49173	255	58971	298	65039
41	5348	84	14919	127	26216	170	38054	213	49424	256	59167	299	65078
42	5539	85	15167	128	26489	171	38327	214	49674	257	59362	300	65100
43	5731	86	15417	129	26763	172	38601	215	49923	258	59554		

**50, 61, 65 & 75,000L DW Fuel Tanks**  
Depth Chart

**75,000L Fuel Tank Dip Chart (100% Compartment)**

Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol	Depth	Vol
cm	L	cm	L	cm	L	cm	L	cm	L	cm	L	cm	L
1	25	44	6907	87	18260	130	31511	173	45308	216	58476	259	69634
2	70	45	7136	88	18553	131	31830	174	45626	217	58765	260	69854
3	128	46	7367	89	18847	132	32150	175	45944	218	59053	261	70072
4	197	47	7600	90	19141	133	32470	176	46261	219	59339	262	70287
5	276	48	7835	91	19437	134	32790	177	46578	220	59624	263	70501
6	362	49	8072	92	19733	135	33110	178	46895	221	59909	264	70711
7	456	50	8311	93	20031	136	33430	179	47211	222	60192	265	70919
8	556	51	8552	94	20329	137	33751	180	47527	223	60474	266	71125
9	663	52	8794	95	20628	138	34072	181	47842	224	60754	267	71328
10	776	53	9039	96	20928	139	34393	182	48157	225	61034	268	71528
11	894	54	9286	97	21229	140	34714	183	48471	226	61312	269	71725
12	1018	55	9534	98	21530	141	35036	184	48785	227	61589	270	71920
13	1147	56	9784	99	21833	142	35357	185	49098	228	61865	271	72112
14	1280	57	10036	100	22136	143	35679	186	49411	229	62139	272	72301
15	1418	58	10289	101	22440	144	36000	187	49723	230	62412	273	72487
16	1561	59	10544	102	22745	145	36322	188	50035	231	62684	274	72670
17	1707	60	10801	103	23050	146	36644	189	50346	232	62954	275	72849
18	1858	61	11059	104	23356	147	36966	190	50657	233	63223	276	73026
19	2013	62	11319	105	23663	148	37288	191	50967	234	63491	277	73199
20	2172	63	11581	106	23970	149	37610	192	51277	235	63757	278	73369
21	2334	64	11844	107	24279	150	37932	193	51585	236	64022	279	73535
22	2501	65	12109	108	24587	151	38254	194	51893	237	64285	280	73697
23	2670	66	12375	109	24897	152	38576	195	52201	238	64546	281	73856
24	2843	67	12642	110	25207	153	38898	196	52508	239	64806	282	74011
25	3019	68	12911	111	25517	154	39219	197	52814	240	65065	283	74162
26	3199	69	13181	112	25829	155	39541	198	53119	241	65322	284	74309
27	3382	70	13453	113	26140	156	39863	199	53424	242	65577	285	74452
28	3568	71	13726	114	26453	157	40185	200	53728	243	65830	286	74590
29	3756	72	14000	115	26765	158	40506	201	54031	244	66082	287	74724
30	3948	73	14276	116	27079	159	40828	202	54334	245	66332	288	74853
31	4143	74	14553	117	27393	160	41149	203	54635	246	66581	289	74977
32	4340	75	14831	118	27707	161	41470	204	54936	247	66827	290	75095
33	4540	76	15111	119	28022	162	41791	205	55236	248	67072	291	75208
34	4743	77	15391	120	28337	163	42112	206	55535	249	67315	292	75315
35	4949	78	15673	121	28653	164	42433	207	55834	250	67556	293	75416
36	5156	79	15956	122	28969	165	42753	208	56131	251	67795	294	75510
37	5367	80	16240	123	29285	166	43074	209	56428	252	68032	295	75597
38	5580	81	16526	124	29602	167	43394	210	56723	253	68267	296	75675
39	5795	82	16812	125	29920	168	43714	211	57018	254	68500	297	75745
40	6013	83	17100	126	30237	169	44033	212	57312	255	68731	298	75804
41	6233	84	17388	127	30555	170	44352	213	57604	256	68960	299	75849
42	6455	85	17678	128	30874	171	44671	214	57896	257	69187	300	75875
43	6680	86	17969	129	31192	172	44990	215	58187	258	69412		

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