

# Installation & Operation Manual: Sub Base Tank



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## Thank you for choosing Tramont

### Warning

This tank has been pressure tested from 3 to 5 psi for weld integrity. However, it has not been designed as a pressure vessel.

This tank must be vented atmospherically through a minimum of a 1 ¼" NPT atmospheric vent pipe. Additional emergency venting requirements also may have to be met. All emergency vent fittings are supplied.

If tank is filled by a fuel transfer pump:

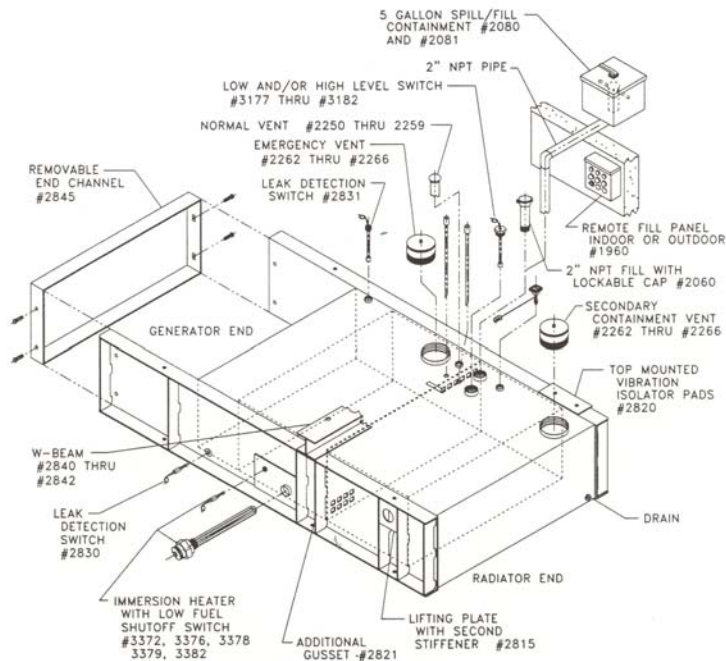
1. Tank must have the "overflow" fitting plumbed in a continuous downward path to the main tank without downsizing. During an overflow condition, any upward plumbing will result in an undesirable fuel pressure situation. This may result in a DIESEL FUEL SPILL.
2. All normal and emergency vents must be at least 6" above any piping containing fuel. **IMPORTANT:** On initial start-up, purposely but cautiously overflow the tank to insure the overflow line or overflow system works properly.
3. If a continuous downward path is not possible, a reverse pumping system, or reverse pumping tank is required. Consult factory for specification and sizing.

### Important Information about the level gauge on your Tramont Sub base Tank

To verify that the level gauge is positioned correctly, make sure that the white mark on the tank and on the level gauge line up. If the gauge has rotated during shipping, carefully reposition the gauge to align the white marks.

### Optional Accessories

Tramont offers a wide selection of sub base systems accessories. The diagram below highlights some of the most widely used options.





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## Standard sub base tank parts

Listed below are parts currently included as standard on Tramont sub base tanks. The parts on your tank may differ if optional accessories were ordered. For a complete list of parts with descriptions, consult the Tramont Spare Parts Price List, or contact Tramont.

*Note: TSX tanks built prior to July, 1998 utilized Fuel Level Gauge, Magnetic-Type (215920)*

## Vent/ Fill/ Alarm options

TSX and TPX tanks do not standardly include level alarms, fill caps or vents. However, most customers ordering a TSX or TPX tank select the Tramont Vent/ Fill/ Alarm package that include the following items:

|        |   |
|--------|---|
| 216290 | 2" Mushroom Cap with Screen   |
| 216320 | 2" NPT Emergency Vent   |
| 216330 | 3" NPT Emergency Vent   |
| 216340 | 4" NPT Emergency Vent   |
| 216350 | 5" NPT Emergency Vent   |
| 216360 | 6" NPT Emergency Vent   |
| 216270 | Raised Lockable Manual Fill Cap   |
| 216210 | Low Fuel Level Switch   |
| 216230 | Side-Mounted Float Switch for leak detection in double-wall, open-top diked, closed top diked and secondary containment only. |

## TSS and TPS day tank sub base tanks

Tramont offers sub base tanks with pumps, motors and controllers for pumping applications. Options standardly quoted on TSS/TPS day tank sub base tanks include:

|        |   |
|--------|---|
| 216000 | System 2000PLUS™ Electronic Control Module              |
| 215920 | Fuel Level Gauge, Magnetic Type                         |
| 215950 | Twin Site Sender  |
| 214080 | 1/3 HP, 115 VAC, 1 Phase, 60 Hz, Carbonator Mount Motor |

|        |   |
|--------|---|
| 214390 | 2 GPM, High Lift Gear Pump, 3/8" NPT Inlet & Discharge  |
| 216190 | Critical High, Emergency Shutdown   |
| 214690 | 1/2" NPT Solenoid Valve   |
| 215510 | 3/4" Fuel Strainer  |
| 216270 | Raised Lockable Manual Fuel Cap   |
| 216230 | Side-Mounted Float Switch for leak detection in double-wall, open-top diked, closed top diked and secondary containment only. |
| 216290 | 2" Mushroom Cap with Screen   |
| 216320 | 2" NPT Emergency Vent   |
| 216330 | 3" NPT Emergency Vent   |
| 216340 | 4" NPT Emergency Vent   |
| 216350 | 5" NPT Emergency Vent   |
| 216360 | 6" NPT Emergency Vent   |

## Warranty

The Tramont Corporation warrants its products against defects in material or workmanship under normal use and service for a period of 12 months from date of shipment from its plant in Milwaukee, Wisconsin. All obligations and liabilities under this warranty are limited to repairing or replacing at our option F.O.B. Milwaukee, Wisconsin of such allegedly defective units or parts returned, carrier charges prepaid. No liability is accepted for consequential damage or reinstallation labor.

Warranty on accessories furnished by other manufacturers shall be limited by that manufacturer's warranty.

If field service, at the request of the Buyer, is rendered and the fault is found not to be with the Tramont Corporation product, the Buyer shall pay the time and expense of the Tramont Field Representative. Bills for service, labor or other expenses that have been incurred by the Buyer, their customer or agent will not be accepted.

Warranty does not cover failure resulting from improper installation or use.

Changes or repairs made in the field without authorization from Tramont Corporation will void this warranty.