TroughVeyor® Models TVL & TVR
Trough Conveying and Food Waste Disposing System

Left Hand Models: 300-TVL, 500-TVL
Right Hand Models: 300-TVR, 500-TVR

2 System Components
3 Fabricator Instructions & Attaching the Disposer
4 Plumbing
5 Electrical & Operating Instructions
6 Troubleshooting & How it Works
7 Warranty
8 General Terms and Conditions of Sale

FOR PRODUCT/WARRANTY REGISTRATION
• Go to www.salvajor.com
• Click on SUPPORT at the top of homepage
• Click on PRODUCT REGISTRATION

ALL INSTALLATIONS SHOULD BE MADE IN ACCORDANCE WITH LOCAL AND NATIONAL PLUMBING AND ELECTRICAL CODES.

Installation & Operating Instructions

FOR PRODUCT/WARRANTY REGISTRATION

SALVAJOR. Manufacturers of Commercial Food Waste Solutions - Since 1944
System Components

- **Diffuser**
- **Gusher Head** (Optional)
- **Screen Assembly** (Shipped inside of Tank)
- **TVL or TVR**
- **Food Waste Disposer** (Ships in separate box)

*Note: Drain piping, recirculation piping and trough not furnished*
Fabricator Instructions

Attaching the Disposer

1. Carefully remove the top housing assembly by removing the eight bolts making sure not to damage the center gasket.

2. Apply lubricant to the rubber collar on the top housing and the beaded collar on the transition of the TroughVeyor.

3. Install the top housing assembly up onto the beaded collar and tighten the clamp so the top housing assembly can not be pulled down over the bead. Cut the rubber baffles out of the hycar adaptor to reduce bridging of food waste.

4. Measure distance from the bottom of the top housing to floor.

5. Turn the disposer on its side and install the leg support on the bottom of the disposer and adjust the leg extension so the disposer will stand approximately 1/2" below the bottom of the top housing.

6. Carefully balancing the disposer on the leg support, place it under the top housing, aligning the ears on the shredder ring with the locking tabs of the top housing.

7. Slide the center gasket into place. Insert the top housing bolts through holes in the top housing and into the disposer body housing. As you tighten bolts, the disposer will pull up securely to the top housing. Extend the leg extension securely on the floor, and tighten set screws.

8. If disposer drain orientation is incorrect loosen top clamp and rotate disposer to correct location.

NOTE: It is important that the leg fit tightly between the disposer and the floor.

STOP! If you have any questions about this installation call 1-888-SALVAJOR for installation advice.
**WATER SUPPLY**

The Salvajor TroughVeyor is designed for easy plumbing installation. The solenoid valves are factory installed and are attached to an automatic water blender which will introduce water tempered to approximately 107°F. Plumb 3/4” lines from both hot and cold water supply sources and reduce to 1/2” before attaching to corresponding valves on the TroughVeyor water harness.

**NOTE:** To assure against leaks, tighten water harness fittings. They may come loose during shipment, fabrication or installation. Pressure regulators should be installed in areas where water pressure exceeds the recommended maximum of 80 psi.

**DRAIN PIPING**

There are two (2) drain connections to be made on the TroughVeyor system. The TroughVeyor reservoir tank drain is supplied with a simple quick-opening drain valve using a 2” rubber coupler to connect to your 2” drain pipe. 3” piping is recommended for the disposer drain. These two (2) drain lines can be run separately or can be combined per local plumbing codes.

**WATER HARNESS DETAIL**

Plumb 1 1/2” pipe from the 1 1/2” rubber coupler supplied on the end of the TroughVeyor unit to the far end of the fabricated trough and attach it to the water diffuser (Refer to the Diffuser Installation Detail below). A 1 1/2” valve must be installed as close to the end of the fabricated trough as possible to regulate pump flow capacity. If optional gusher heads are to be mounted along the fabricated trough for scrapping and prefusing, they should be connected to the main 1 1/2” recirculation line reducing to 3/4” with a 3/4” valve in each gusher head line to regulate the flow. Configure gusher head plumbing as shown to reduce splash when starting TroughVeyor.

**WATER HARNESS DETAIL**

Important: The TroughVeyor is equipped with an approved air gap, eliminating the need for vacuum breakers. The Uniform Plumbing Code states that air gaps are accepted as replacements for vacuum breakers with food waste disposing systems.

**DIFFUSER INSTALLATION DETAIL**

Place one GASKET over DIFFUSER threaded nipple as shown. Slide threaded nipple though punched hole in the closed end of the trough. Place other GASKET over threads of DIFFUSER, on the outside of the trough as shown. Tighten LOCKNUT onto threaded nipple. Connect 1 1/2” sweat fitting or 1 1/2” union to the diffuser as shown and connect recirculation piping to fitting.
Operating Instructions

TO START
1. Close DRAIN VALVE.
2. Position RESERVOIR SCREENS in bottom of tank.
3. Lower SALVAGE BASIN over reservoir screens.
4. Lower SAFETY COVER over disposer.
5. Press START button on CONTROL PANEL. Allow time for reservoir tank to fill and maintain a constant flow of water down the trough.
6. Adjust THE RECIRCULATION VALVE to regulate the flow of water.
7. If gusher heads are being used along the trough, adjust the GUSHER HEAD VALVES individually to the desired settings.

TO STOP
1. Press STOP button on the CONTROL PANEL.
2. Open DRAIN VALVE.
3. Allow time for trough to drain. Raise SALVAGE BASIN.
4. Remove RESERVOIR SCREENS from tank. Do not dump waste in tank! Rinse SALVAGE BASIN, SCREENS, tank interior and separator discs thoroughly.

HYDROLOGIC® CONTROL OPERATION
1. Press the START button to begin operation. (If the Line Disconnect is in the OFF position it will need to be turned to the ON position.)
   • Display will read “TANK FILL DELAY” for 30 seconds.
   • The pump then starts and display reads “SYSTEM ON”.
2. To utilize the Energy & Water Saver feature, press the ON/OFF button. The blue light above the button will illuminate to indicate the feature is turned on.
3. When in Energy & Water Saver mode, the machine will stop after the run time reaches zero.
4. To increase or decrease the run time, use the + and - buttons to adjust to the desired run time.
5. Press the STOP button to end operation.
This troubleshooting guide is to provide basic checks to facilitate problem isolation and repair. All repairs should be made according to local codes and by a qualified technician.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine will not turn on.</td>
<td>Line disconnect turned to off position.</td>
<td>Turn disconnect on.</td>
</tr>
<tr>
<td></td>
<td>Door open over disposer.</td>
<td>Close door.</td>
</tr>
<tr>
<td></td>
<td>Proximity switch inoperative.</td>
<td>Replace switch.</td>
</tr>
<tr>
<td>Tank will not fill up.</td>
<td>Drain open.</td>
<td>Close slip valve.</td>
</tr>
<tr>
<td></td>
<td>Door open over disposer.</td>
<td>Close door.</td>
</tr>
<tr>
<td>Only hot or cold water is going into tank.</td>
<td>Hot or cold valve closed.</td>
<td>Open valves.</td>
</tr>
<tr>
<td></td>
<td>Blender is out of adjustment.</td>
<td>Adjust setting of blender.</td>
</tr>
<tr>
<td>Pump motor not running.</td>
<td>Door open over disposer.</td>
<td>Close door.</td>
</tr>
<tr>
<td></td>
<td>Overload tripped.</td>
<td>Wait for overload to cool and check for cause of reset to trip, i.e. debris in pump.</td>
</tr>
<tr>
<td></td>
<td>Proximity switch inoperative.</td>
<td>Replace switch.</td>
</tr>
<tr>
<td></td>
<td>Pump motor inoperative.</td>
<td>Replace pump motor.</td>
</tr>
<tr>
<td>Water leaks from pump.</td>
<td>Pump seal/o-ring worn.</td>
<td>Replace seal/o-ring.</td>
</tr>
<tr>
<td></td>
<td>Clamps loose.</td>
<td>Tighten clamps.</td>
</tr>
<tr>
<td>Water flow down trough is very slow.</td>
<td>Clogged pump.</td>
<td>Remove debris from pump.</td>
</tr>
<tr>
<td></td>
<td>Pump motor running backwards.</td>
<td>Reverse rotation of pump.</td>
</tr>
<tr>
<td></td>
<td>Impeller broken.</td>
<td>Replace impeller.</td>
</tr>
<tr>
<td></td>
<td>Separator not working properly.</td>
<td>Verify separator is running properly. Verify cleaners are installed properly. Clean if needed.</td>
</tr>
<tr>
<td>Food is not moving over the separator into the disposer.</td>
<td>Gearmotor is not turning.</td>
<td>Check gearmotor and replace if bad.</td>
</tr>
<tr>
<td></td>
<td>Gearmotor is running backwards.</td>
<td>Reverse rotation of motor.</td>
</tr>
</tbody>
</table>

**IMPORTANT!** Do NOT use corrosive chemicals for scrapping or cleaning purposes!

### How it Works

- Warm water enters the tank and the TroughVeyor pump recirculates water down the trough and if equipped, through the gusher heads.
- Cold water is introduced directly into the disposer grind chamber of the disposer.
- As dishes are passed through the recirculated water they are scrapped and pre-rinsed at the same time.
- Water falls through the separator and returns to the tank reservoir while the food waste falls into the disposer.
Equipment covered by this warranty:
All Salvajor commercial disposers, disposer systems, collector systems, accessories and parts.

Length of this warranty:
Parts and labor for 12 months from date of installation or 15 months from date of shipment from the factory, whichever expires first, on all disposers and systems. Accessories manufactured by Salvajor are covered for parts and labor when they are sold as part of the original disposer assembly or system package. Accessories not manufactured by Salvajor are covered for parts only. Accessories and parts sold separately are covered for parts and/or workmanship for 90 days from date of installation.

Warranty coverage:
Providing the equipment is unaltered, has been properly installed, maintained and operated, Salvajor will repair or replace at no cost, defective parts due to material or workmanship, if such service is performed by a Salvajor Authorized Service Center. Parts wear is not considered a defect.

Conditions not covered by this warranty:
Faulty or improper electrical installations, faulty or improper plumbing installations, disposer jammed by foreign object, tripped overload (re-set button), clogged drains, pump jams, clogged solenoid valves, blown fuses, abuse, accidental damage, unit improperly sized for application according to factory recommendations.

This warranty is limited to the continental United States, Hawaii and Canada.

For your nearest Factory Authorized Service Center:
Call 1-888-SALVAJOR or 816-363-1030
Fax 1-800-832-9373 or 816-363-4914
www.salvajor.com service@salvajor.com
GENERAL TERMS AND CONDITIONS OF SALE

These Terms and Conditions shall govern the transaction by and between The Salvajor Company (herein referred to as the “Seller”) and the customer or person or entity purchasing goods (“Goods”) from Seller (hereinafter referred to as “Buyer”), together with any quotation or acknowledgment from Seller relevant to the sale of the Goods and all documents incorporated by specific reference therein, and shall constitute the complete and exclusive agreement governing the sale of Goods by Seller to Buyer. Buyer’s acceptance of the Goods will manifest Buyer’s assent to these Terms and Conditions.

1. PRICES

Unless otherwise specified in writing by Seller, Seller shall have the right to charge the price for the Goods to Seller’s price for the Goods at the time of shipment. All prices are exclusive of taxes, transportation and insurance which are to be borne by Buyer.

2. TAXES

All taxes or government charge (or increase in same) affecting Seller’s costs or which seller is otherwise required to pay or collect in connection with the sale, purchase, delivery, storage processing, use or consumption of Goods shall be for Buyer’s account and shall be added to the price.

3. TERMS OF PAYMENT

Net 30 days invoices will bear the date on which shipment is made and terms are based upon date of shipment and not on date of arrival. Seller shall have the right among other remedies, to terminate or suspend performance under any order, if Buyer fails to make any payment when due. Buyer shall be liable for all expenses, including attorney’s fees, relating to the collection of past due amounts. Delinquent payments shall bear interest at a rate to be determined by Seller, which shall not exceed the legal maximum rate, from the date due until paid. Should Buyer’s financial responsibility become unsatisfactory to Seller, Seller may require cash payments or satisfactory security.

4. SHIPMENT AND DELIVERY

Deliveries are made F.O.B. Seller’s shipping point. Risk of loss or damage and liability therefore shall pass to Buyer upon delivery to carrier. Shortages or damages must be acknowledged and signed for at the time of delivery. While Seller will use all reasonable commercial efforts to maintain the delivery date (s), all shipping dates are approximate and not guaranteed. Seller reserves the right to make partial shipments. If the shipment of the Goods is postponed or delayed by Buyer for any reason, Buyer agrees to reimburse Seller for any and all storage costs and other resulting expenses.

5. LIMITED WARRANTY

Subject to the limitations of Section 6 Seller warrants that the Goods manufactured by Seller will be free from defects in material and workmanship and meet Seller’s published specifications at the time of shipment under normal use and regular service and maintenance for a period of one year from the date of shipment of the Goods by Seller unless otherwise stated. Should Buyer, financial responsibility become unsatisfactory to Seller, Seller may require cash payments or satisfactory security.

The warranties provided herein are the sole and exclusive warranties by seller with respect to the goods and are in lieu of and exclude all other warranties, express or implied arising by operation of law or otherwise, including without limitation, merchantability and fitness for a particular purpose or for any other purpose. Seller is not responsible for any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, Buyer’s negligence, unauthorized modification or alteration beyond seller’s control, or improper installation, maintenance or application. The obligations of Seller under this warranty are limited to either the repair or replacement of any or all such Goods at Seller’s discretion. Seller assumes no obligation or responsibility for loss, damage, or injury to persons or property arising out of, connected with, or resulting from the use of Goods, either alone or in combination with other products/components.

LIMITATION OF REMEDY AND LIABILITY

The sole and exclusive remedy for breach of any term or condition or warranty hereunder (other than the warranty provided under Section 7) shall be limited at Seller’s option to repair, correction or replacement under Section 5 or refund of the purchase price. Seller shall not be liable for damages caused by delay in performance and in no event, regardless of the form of action (whether by specific performance, injunction, negligence, strict liability, tort or otherwise) shall Seller’s liability to Buyer and/or its customers exceed the price paid by Buyer for the specific goods provided by Seller giving rise to the claim or cause of action. Buyer agrees that in no event shall seller’s liability to buyer and/or its customers extend to include incidental, consequential or punitive damages. The term consequential damages shall include without limitation loss of anticipated profits business interruption loss of use or revenue, cost of capital or loss or damage to property or equipment.

7. PATENTS AND COPYRIGHTS

Subject to the limitations of the second paragraph of Section 6, Seller warrants that the Goods sold except as are made specifically for Buyer according to Buyer’s specifications do not infringe any valid U.S. patent or copyright in existence as of the date of shipment. This warranty is given upon the condition that Buyer promptly notify Seller of any claim or suit involving Buyer in which such infringement is alleged and, that Buyer cooperate fully with Seller and permit Seller to control completely the defense settlement or compromise of any such allegation of infringement. In the event such Goods are held to infringe such a U.S. patent or copyright in such suit, and the use of such Goods is enjoined, or in the case of a compromise or settlement by Seller, Seller shall have the right, at its option and expense to procure for Buyer the right to continue using such Goods or replace them with non-infringing Goods, or modify same to become non-infringing, or grant Buyer a credit for the depreciated value of such Goods and accept return of them.

8. EXCUSE OF PERFORMANCE

Seller shall not be liable for delays in performance or for non-performance due to acts of God, strikes, war, fire, flood, weather, sabotage, strikes, or labor or civil disturbance, government requests, restrictions, laws, regulatons, orders of actions, unavailability of or delays in transportation, default of suppliers, or unforeseen circumstances or any event or causes beyond Seller’s reasonable control. Deliveries or other performance may be suspended for an appropriate period of time or canceled by Seller upon notice to Buyer in the event of any of the foregoing, but the balance of the agreement shall otherwise remain unaffected as a result of the foregoing. If Seller determines that its ability to supply the total demand for the Goods or to obtain material used directly or indirectly in the manufacture of the Goods is hindered, limited or made impracticable due to causes set forth in the preceding paragraph, Seller may allocate its available supply of the Goods or such material (without obligation to acquire other supplies of any such Goods or material) among itself and its purchasers on such basis as Seller determines to be equitable without liability for any failure of performance which may result therefrom.

9. CANCELLATION

Seller may cancel this agreement at any time for any reason upon 30 days written notice. Unless otherwise agreed in writing by Seller, Buyer may not cancel this agreement for any reason.

10. CHANGES

Buyer may request changes or additions to the Goods consistent with Seller’s specifications and criteria. In the event such changes or additions are accepted by Seller, Seller may revise the price and dates of delivery. Seller reserves the right to change designs and specifications for the Goods without prior notice to Buyer, except with respect to Goods being made-to-order for Buyer.

11. ASSIGNMENT

Buyer shall not assign its rights or delegates its duties hereunder or any right, benefit or advantage under or with respect to this Agreement without such consent, shall be void. Seller may assign its rights and delegate its duties hereunder.

12. GENERAL PROVISIONS

These terms and conditions supersede all other communications, negotiations and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modifications, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon the Seller unless made in writing and signed on its behalf by a duly authorized representative of the Seller. No conditions, usage or trade, course of dealing or performance, understanding, or agreement purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound and no modification shall be effective by the Seller if the other party does not confirm, state or acknowledge, or acceptance of purchase orders, shipping instruction forms, or other documentation containing terms at variance with or in addition to those set forth herein. No waiver by either party with respect to any breach or default or of any right or remedy and no course of dealing, shall be deemed to constitute a continuing waiver of any other breach or default or of any other right or remedy, unless such waiver be expressed in writing and signed by the party to be bound. All typographical or clerical errors made by Seller in any quotation, acknowledgment or publication are subject to correction.

The validity, performance and all other matters relating to the interpretation and effect of this agreement shall be governed by the law of the state of Missouri. Buyer and Seller agree that the proper venue of all actions arising in connection hereunder shall be only in the state of Missouri. The Convention for the International Sales of Goods shall not apply to this agreement.

13. COMPLIANCE WITH CERTAIN LAWS

These Goods shall be produced in compliance with the requirements of the Fair Labor Standards Act of 1938, as amended and Executive Order 11246.

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