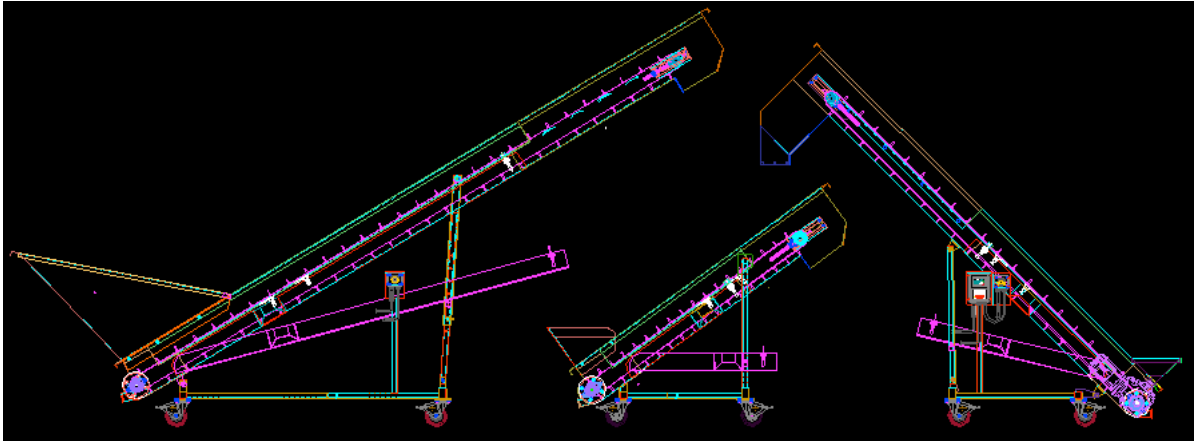




P&L SPECIALTIES

MANUFACTURING THE FINEST STAINLESS STEEL EQUIPMENT



Consista-flow™
(Inclined Destemmer Feed Conveyor)

OPERATION MANUAL

SERIAL NO. _____

DATE OF MANUFACTURE _____

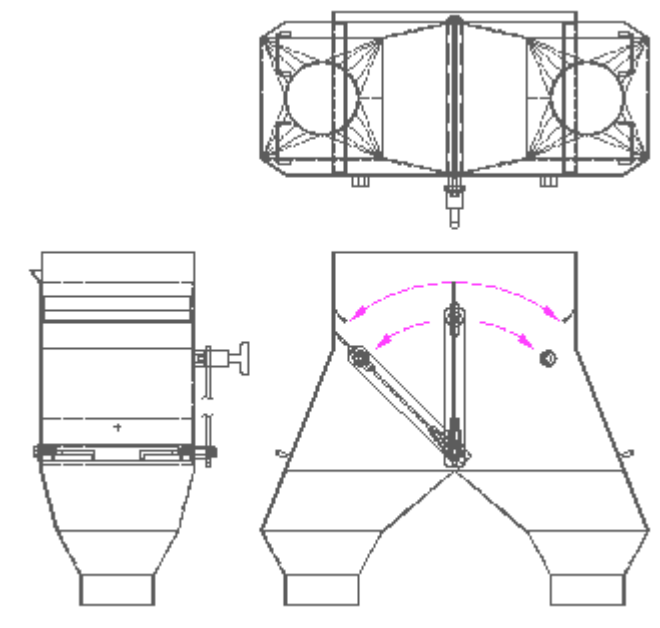
EQUIPMENT DESCRIPTION

The **Consista-flow™** is a portable belted feed conveyor designed and developed as a lightweight metering device used to provide and maintain an even flow of grape clusters to a destemmer at a rate of up to 5 tons per hour.

The **Consista-flow™** features include: all stainless steel construction, a programmable VFD (Variable Frequency Drive) for a complete range of speed control with an optional remote pendant control, a hinged juice pan for ease of cleaning, and a rolling base frame with locking casters for positive positioning.

When an even flow of product is required, this device can be integrated into a system and will greatly aid in the re-distribution of product at an even rate. Although originally designed to feed a destemmer, it is also commonly used to convey a variety of products between (2) points if an elevation increase is required, and a lightweight portable device is preferred.

Options include a variety of lengths, widths, and speeds. Among the readily available options are custom inlet hoppers, lug loading shelves and discharge variations such as a bifurcated discharge. Rolling base frames are made available in rigid, manually articulated, and hydraulically articulated via hydraulic pump forms.



Optional Bifurcated Discharge Chute

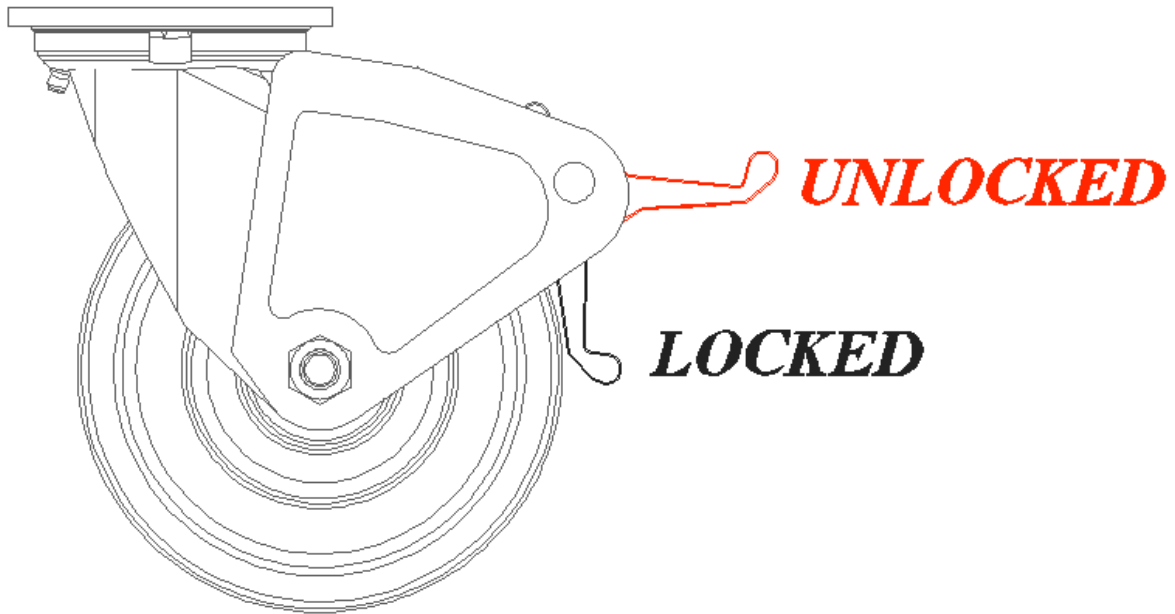


⚠ WARNING

Always ensure that ALL personnel are free and clear of the equipment prior to and during operation.

INSTALLATION AND START UP

1. Visually inspect the unit for any signs of damage, cracks, fatigue or loose components. Any damaged components should be repaired or replaced prior to start up.
2. Position the unit according to your inlet and outlet location requirements.
3. In order to ensure safe and stable operation, adjust the caster wheels so that they are all facing the same direction and set the brake mechanisms to the locked position.



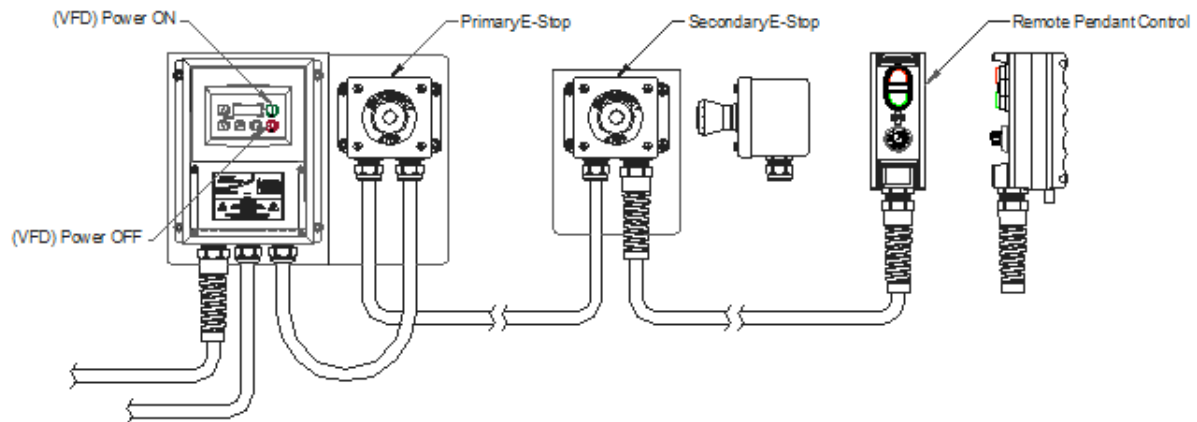
4. Connect the unit to the appropriate power source (voltage/phase).
5. Prior to start-up, verify that the E-Stops have been disengaged and are in the ready to operate position.
6. Note: Other than the Stop and E-Stop features, this unit is designed to be operated via the remote pendant control.

INSTALLATION AND START UP (Cont'd.)



To avoid serious physical injury and or damage to the belt, do **NOT** attempt to operate the conveyor without the hinged juice pan in the closed and locked down position.

7. To start the unit, momentarily depress the green START button on the remote pendant control. This will put the belt in motion. (The speed of the belt is dependent upon the setting of the speed control potentiometer located on the remote pendant control.)
8. Adjust the belt speed to the desired speed setting by turning the potentiometer located on the remote pendant control either clockwise to increase the belt speed, or counterclockwise to decrease the belt speed.
9. To stop the unit at any time, either depress (1) of the (2) available E-Stop buttons, depress the stop button located on the remote pendant control, or press STOP on the face of the VFD.
10. To re-start the unit, verify that the E-Stops have been disengaged and are in the ready to operate position, and again momentarily depress the green START button on the remote pendant control.



Control Diagram

! WARNING

Never power wash the control panel or pendant control.

SERVICE AND MAINTENANCE

! WARNING

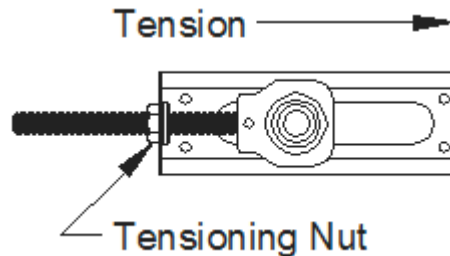
Lockout / Tagout procedures MUST be followed to properly lock out power before maintenance is performed. Always power down and let the unit come to full and complete stop and disconnect the power prior to performing service or maintenance on the unit.

Daily: Remove any accumulated or loose material from the unit. Visually inspect the unit for any signs of damage, cracks, fatigue or loose components. Any damaged components should be repaired or replaced immediately. See P&L Specialties' contact information on the last page of this manual.

Weekly: Clean the belt and pulley surfaces. Inspect the belt for any damage or loose lacings. Check the tension of the belt (see the Belt Adjustment and Tracking section).

Monthly: Lubricate ALL bearings using Shell Alvania EP2 (NLGI #2) or equivalent grease and inspect gearbox oil level.

BELT TENSIONING



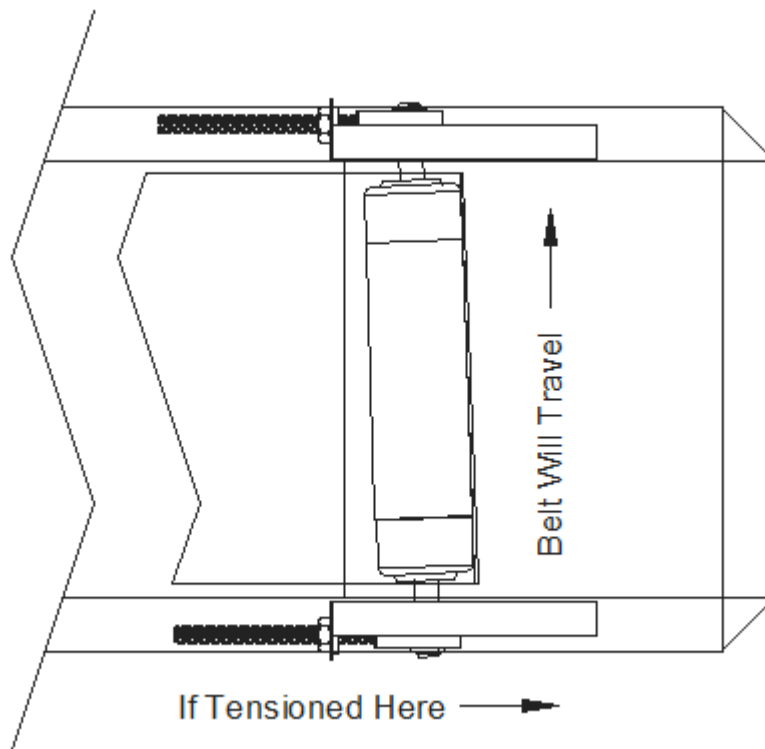
⚠ WARNING

Lockout / Tagout procedures MUST be followed to properly lock out power before maintenance is performed. Always power down and let the unit come to full and complete stop and disconnect the power prior to performing service or maintenance on the unit.

The drive pulley has been manufactured with an integral traction surface to provide a better pulley-to-belt interface without the need for over tensioning. However, if the belt should loose traction at the drive pulley, an overall tensioning of the belt can be easily performed via the tensioners at the discharge end of the unit. Tensioning of the belt should only be performed by a qualified technician.

To tension the belt, rotate the tensioning nut counterclockwise. Apply tension only as needed. During the tensioning process, apply equal amounts of tension to both sides of the unit to maintain positive belt tracking. Do **NOT** over tension. Over tensioning may result in permanent damage.

BELT TRACKING



⚠ WARNING

Lockout / Tagout procedures MUST be followed to properly lock out power before maintenance is performed. Always power down and let the unit come to full and complete stop and disconnect the power prior to performing service or maintenance on the unit. It may become necessary to perform Lockout / Tagout procedures several times while making the necessary tracking adjustment or adjustments.

If during the tensioning procedure or at any other time the belt deviates from tracking on center, re-tracking of the belt will become necessary to prevent damage to the unit. If a tracking issue is left uncorrected, serious damage may occur. Re-tracking of the belt should only be performed by a qualified technician.

See the illustration provided to understand the effect of tracking. Adjustments should be made in $\frac{1}{4}$ turn increments. Allow time for the belt to fully compensate to each adjustment prior to making any further adjustment. (Several complete revolutions of the belt will allow for compensation) Please note that as you are tracking the belt, additional tensioning may be occurring. As with normal tensioning, do **NOT** over tension. Over tensioning may result in permanent damage.

STORAGE RECCOMENDATIONS:

1. It is recommended that the unit be stored in a dry covered area when not in use.
2. When not in use for any long duration of time, and if exposed to the sun and/or elements of outdoor storage, the unit should be covered with a UV-protection drop cloth in order to prolong the life of the belt.
3. Please note that coverage in outdoor and/or humid climates may cause condensation to accumulate. To avoid serious damage, allow for proper ventilation of electrical components.



P&L SPECIALTIES

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