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> Flexco VP96 V-PLOW Pole 96 Instruction Manual

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Image: The official Flexco company logo, featuring the brand name in a stylized font within an oval shape.

Flexco VP96 V-PLOW Pole 96 Instruction Manual

Model: VP96 | Part Number: 74397

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of the Flexco VP96 V-PLOW Pole 96. The VP96 V-Plow is designed to protect conveyor tail pulleys and belts by removing carryback material from the inside surface of the return belt. Proper installation and regular maintenance are crucial for optimal performance and extended service life.

2. SAFETY INFORMATION

Always prioritize safety when working with conveyor systems. Failure to follow safety precautions can result in serious injury or death.

- Ensure the conveyor system is locked out and tagged out according to established safety procedures before beginning any installation, maintenance, or inspection.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hard hats.
- Do not operate the conveyor with guards removed.
- Be aware of pinch points and moving parts.
- Consult local safety regulations and company policies.

3. SETUP AND INSTALLATION

The Flexco VP96 V-PLOW Pole 96 is designed for straightforward installation. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts are present according to the packing list.
2. **Location Selection:** Install the V-Plow on the return side of the conveyor belt, typically 1 to 2 feet (0.3 to 0.6 meters) in front of the tail pulley. Ensure there is sufficient clearance for the plow and any discharged material.
3. **Mounting the Pole:**
 - Securely attach the mounting brackets to the conveyor structure. The pole should be positioned perpendicular to the belt's direction of travel.
 - Insert the V-Plow pole into the mounting brackets. Ensure it is level and stable.
4. **Blade Adjustment:**
 - The V-Plow blade should make light, consistent contact with the return side of the conveyor belt.
 - Adjust the height of the plow using the adjustment mechanisms on the pole until the blade tips are approximately 1/8 inch (3 mm) above the belt surface when the belt is empty. The weight of the plow will provide the necessary contact pressure.
 - Ensure the plow is centered on the belt to effectively remove material from both sides.
5. **Final Check:** After installation, manually rotate the conveyor belt (if safe to do so) to confirm proper clearance and blade contact.

4. OPERATING INSTRUCTIONS

Once properly installed, the Flexco VP96 V-PLOW operates passively, continuously cleaning the return side of the conveyor belt during normal operation. No active user intervention is required during operation.

- The V-Plow's angled blades direct carryback material off the belt and away from the tail pulley.
- Monitor the effectiveness of the plow during initial operation to ensure it is clearing material adequately.
- Adjust blade contact if necessary (refer to Section 3.4).

5. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your Flexco VP96 V-PLOW.

- **Daily/Weekly Inspection:**
 - Visually inspect the plow blade for wear. Replace the blade if it shows significant wear or damage, or if it is no longer making effective contact with the belt.
 - Check for material buildup around the plow and mounting area. Clean as necessary.
 - Verify that the plow is still centered and making proper contact with the belt.
- **Blade Replacement:**
 - Lock out and tag out the conveyor system.
 - Remove the worn blade by loosening the retaining hardware.
 - Install a new Flexco replacement blade (Part Number: Consult Flexco for specific blade part numbers for VP96).
 - Securely fasten the new blade and adjust its contact with the belt as described in Section 3.4.
- **Structural Integrity:** Periodically check all mounting hardware for tightness. Tighten any loose bolts or fasteners.

6. TROUBLESHOOTING

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Ineffective cleaning / Material buildup	Blade worn out Insufficient blade contact Plow not centered Excessive material volume	Replace blade (Section 5.2) Adjust blade height (Section 3.4) Re-center plow (Section 3.3) Consider additional cleaning solutions
Excessive blade wear	Too much blade pressure Abrasive material Improper blade material for application	Reduce blade pressure (Section 3.4) Consult Flexco for alternative blade materials
Plow vibrating or unstable	Loose mounting hardware Improper installation	Tighten all fasteners (Section 5.3) Review installation steps (Section 3)

7. SPECIFICATIONS

- **Model:** VP96 V-PLOW Pole 96
- **Part Number:** 74397
- **Brand:** Flexco
- **Application:** Return side conveyor belt cleaning
- **Blade Material:** Typically urethane (may vary by specific product variant)
- **Pole Length:** 96 inches (243.8 cm) - *Note: "Pole 96" indicates length.*
- **Compatibility:** Designed for various belt widths; consult Flexco for specific belt width compatibility.

8. WARRANTY INFORMATION

Flexco products are manufactured to high standards and are backed by a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the official Flexco website or contact Flexco customer support directly. The warranty typically covers defects in materials and workmanship under normal use and service.

9. SUPPORT AND CONTACT INFORMATION

For technical assistance, replacement parts, or further information regarding your Flexco VP96 V-PLOW Pole 96, please contact Flexco customer support:

- **Website:** www.flexco.com
- **Customer Service:** Refer to the Flexco website for regional contact numbers.
- **Product Documentation:** Additional resources and detailed specifications may be available on the official Flexco product pages.

