



The VRC requires minimal attention on a regular basis to prevent equipment failures or accelerated wear and tear. This section is provided for the assistance of qualified and trained service technicians only and is not intended for use by untrained or unauthorized service personnel. Make sure all steps are completed. A record of regular, properly conducted preventive maintenance provides a running history of any issues the VRC may have. The reports will identify trends, and helps anticipate expected wear and tear repairs. Sign and return to PFlow Industries, Inc. Customer Support Department via e-mail to csd@pflow.com

NOTICE

A qualified person is defined as a person who, by possession of a recognized degree or certificate of professional standing, or by extensive knowledge, training, and experience, has successfully demonstrated his/her ability to solve problems relating to the subject matter and work.

WARNING



- If any defects relating to operating safety and reliability are detected or if any damage occurs, the VRC must be taken out of operation immediately.
- Lockout/tagout the VRC before performing maintenance. De-energize any circuit before work is begun.
- Take appropriate measures for safely working at heights.
- Make sure that no persons or objects are within the range of any moving parts of the VRC.
- Climbing, sitting, walking, or riding on equipment while the equipment is in operation could result in death or serious injury.
- If this VRC needs to be modified in any way, contact PFlow Industries, Inc. for assistance. Do not make any unauthorized changes.
- Before the VRC is put into operation, all parts must comply with all relevant health and safety directives and regulations.
- Falling Hazard! Close all doors before the carriage is moved. Never leave the VRC unattended with the doors in the open position. Never close doors when a person is on or below the carriage.
- Entanglement hazard! Secure long hair, wear snug-fitting clothing, and avoid wearing jewelry while using the VRC.

Section 16 | B Series Preventive Maintenance and Schedule Checklist



MATERIAL HANDLING SOLUTIONS

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 Milwaukee, WI 53209

✓	Action	How Often
	Inspect the VRC for any obvious structural damage.	6 months
	Verify overall operation.	6 months
	Verify that all level stops are at the floor level. Adjust as necessary.	6 months
	Verify that all areas under, around, and inside the VRC are clean.	6 months
	Verify that all doors and interlocks are undamaged and functioning properly.	6 months
	Verify that all electrical components are undamaged.	6 months
	Verify that all push-button stations and Emergency Stops (e-stops) are functioning on each level.	6 months
	Identify any unsafe condition. Document and report the condition immediately to the customer and then PFlow Industries, Inc. Customer Support Department. Do not allow the VRC to operate when unsafe conditions arise.	6 months
	Verify that all nuts and bolts are tight. Adjust as necessary.	6 months
	Verify that all moving components are functioning properly.	6 months
	Inspect all chains for wear, rust, bent, cracked, or binding links.	6 months
	Inspect and lubricate all chain as needed with non-detergent, petroleum-based SAE 30 oil. Chain is located above the load. Avoid drips. Inspect for wear, rust, bent, cracked, or binding links.	6 months
	Inspect safety pins for free movement. Loosen turnbuckles to verify engagement. Lubricate turnbuckle threads with non-detergent, petroleum-based SAE 30 oil. Retighten turnbuckles before operating.	6 months
	Inspect the carriage roller assembly for rotation interference and wear.	6 months
	Verify that the overtravel switch is undamaged and functioning properly.	6 months
	Verify that all electrical connections are tight.	6 months
	Verify that all tensioners are properly adjusted. Adjust as necessary.	6 months
	Inspect all welding, bracing, and anchoring for structural integrity.	6 months
	Inspect the lift chain sprockets for wear.	6 months
	Grease the pillow block bearings on the lift chain sprocket with lithium axle grease.	6 months
	Apply Loctite® Blue 242® to the setscrews on the pillow block bearings and the drive sprockets. Tighten and torque all setscrews.	6 months
	Inspect the gear reducer oil level and replenish as necessary. The minimum acceptable oil level is 0.15" (4mm) below the oil level hole.	6 months
	Inspect the motor and brake. Measure and record the air gap on the brake.	12 months
	Replace gear reducer mineral oil every 10,000 operating hours or every two years.	2 years



Customer signature:	Date work completed:
Name/Phone:	Authorized Technician(s):
Title:	Name:
E-mail:	Name: