

## **MAINTENANCE INSTRUCTIONS FOR THE BASIC VYLEATER FLUSH OPTION**

Local water sources and/or the use of various rinse agents (chlorine, bleach, etc.) can cause a build up of sediment inside the plumbing of the **Vyleater** Flush System. This build-up can lead to clogged spray jets or complete blockage.

### **Preventative Maintenance Schedule**

**Daily:** If the **Vyleater** has a Metering pump – after the last run of vials for the day, turn off power to the Metering Pump and supply only clean water to the Flush System for about 5-minutes. This helps clean out residue left behind by the rinse agent being used. The **Vyleater** does not need to be running for this operation.

**Every Month:** It is generally suggested that the Flush System be deliberately checked once a month for proper flow and operation.

**Every 6 Months:** To prevent the need for major cleaning, it is recommended that all of the Spray Jets on your flush system be removed and cleaned twice a year following the procedures below.

### **! WARNING !**

*Most maintenance procedures to the Flush System  
do not require electrical power.  
For safety, always **shut off** and if required,  
**Lock Out** power to the Vyleater.*

### **CHECKING FOR CLOGS**

A symptom of one or more clogged spray jets is a rise in the reading of the regulator's pressure gage. This should normally read no more than 10-psi, but a reading higher than this may indicate a clog in the system.

**Conveyer Jets:** Open the Screen Access panel on the right end of the vibratory Conveyer. With the flush system turned on, shine a flashlight at the far end of the conveyer. Any of the three spray jets not spraying liquid are likely plugged.

**Hopper Jet:** Lower the Loading Basket about half way down the track and bypass the mechanical interlock to open the door panel on the Hopper Cover. Confirming the Hopper Jet ball valve is open, turn on the main water supply to confirm adequate flow to the Hopper Jet. Again, if there is no flow, the orifice is clogged shut.

**Drum Cover Jet:** Turn on the ball valve to this jet and watch for adequate flow from the jet.

**CLEANING****! CAUTION!**

***Do not insert a needle, paper clip or any other metal objects Into the orifice of the Spray Jets. This will score the orifice surface and lead to more frequent sediment build-up and clogging.***

**Conveyor Jets:** Gain access to the left end of the Conveyor by lowering the hinged panel on the left end of the **Vyleater**. Unscrew the four thumbscrews that hold the Conveyor Mount Plate (#34100) onto the end of the Conveyor. The three Conveyor Spray Jets (#34153) will be mounted to the inside of the Plate. Aiming the Jets to a liquid tight container, open the water supply to the jets to determine which Jets are clogged.

The Jets are held in place with a hex shaped Jet Retainer Nut (#34159). Remove the appropriate Nuts and remove the Spray Jet itself.

Check the Jet orifice. Remove the obstruction from the backside of the Jet using a wooden toothpick. If possible, avoid actually inserting anything into the spray orifice. If necessary to loosen the clog soak the Jet in hot water, a 10:1 mixture of water to muriatic acid or a calcium/lime removal product like CLR – available at most grocery or hardware stores.

Check the fitting behind the Jet for clogs. Turn on the water source to attempt to flush it out of the now open fittings. If it is also clogged, manually clean this out and if necessary, remove the fitting and soak it in a 10:1 mixture of water to muriatic acid or with a lime removal product.

**Hopper Jet** (if supplied): Remove the Hopper Jet (#34163) using a wrench to unthread it from the stainless steel Extension Tube (#34167).

Clean and soak the Hopper Jet as described above in the Conveyor Jet section. Turn on the ball valve to flush the Extension Tube of any sediment before reassembling.

**Drum Jet** (if supplied): Remove the Drum Cover Jet (#34164) from below the Drum Cover using a wrench.

Clean and soak the Drum Jet as described above in the Conveyor Jet section. Turn on the ball valve to flush the remaining fittings of any sediment before reassembling.

**If your Flush System has a Metering Pump**, follow the Maintenance Procedures spelled out in the document “**MAINTENANCE INSTRUCTIONS FOR THE VYLEATER METERING PUMP**”

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