



**LAEMPEUNIVERSITY**  
VIDEO TRAINING TOOLS

## Binder Tube Flush





As with any equipment procedure, follow your plant safety rules and regulations. Consult with your binder supplier and MSDS sheets before handling binders. Follow proper safety protocol, and follow proper disposal of chemicals

**These notes are to be used in combination with our Laempe University Video Series for Binder Tube Flush located here.**

**THE NOTES MAY DIFFER DEPENDING ON THE SERIES OF LAEMPE BINDER SYSTEM YOU HAVE – PLEASE CONSULT WITH OUR TECHNICAL TEAM FOR ALTERNATIVE STEPS.**

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- Place binder injection nozzles from mixer into a catch bucket.
- Disconnect binder empty switches on binder tubes.
- On HMI screen, activate “**BLOW BINDER BACK TO TANK**” function.
- Close binder supply ball valves after tubes are empty.
- Reconnect binder empty switches.
- Lower the binder injection pressure on the regulator on the binder tube to 1 BAR or less, this will help prevent spraying the solvent or diesel fuel when injecting into the catch bucket.
  - **HINT** – the injection pressure regulator gauge will show pressure, the suction regulator gauge will be zero, the suction regulator gauge will only show pressure when suction is active on the tube.
- On HMI screen activate “**CHECK BINDER**” function.
  - **NOTE:** There is a “**CLEAN BINDER TUBE**” function available on the mixer menu. We use the “**CHECK BINDER FUNCTION**” and the steps listed because the clean tubes function does not flush the inlet and outlet valves. We have found that the steps here are a better way to fully flush the system.
- On the mixer control panel, use the rotary BCD switch to choose either binder tube 1 or binder tube 2 – refer to the guide plan on the switch panel for the number for each.
- Open the ball valve for the short hose.
- Place the hose for the binder tube you are flushing into the solvent container.
- Using the +/- switch, activate suction and pull the solvent into the tube to a level of 3 to 4 inches, release the switch and raise the hose out of the solvent. Activate suction again, this will pull air into the tube and bubble the solvent inside the tube. This agitation helps rinse the residual binder out of the tube.

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- Using the +/- SWITCH, activate injection and expel the solvent into the catch bucket.
  - Lower the hose back into the solvent and repeat pulling the solvent into the tube, bubbling, and expelling the solvent.
  - Move the hose into the diesel fuel container.
  - Using the +/- switch, activate suction and pull the diesel fuel into the tube to a level of 3 to 4 inches, release the switch, and raise the hose out of the diesel fuel. Activate suction again and bubble the diesel fuel inside the tube. This rinses the solvent out of the tube.
  - Using the +/- switch, activate injection and expel the diesel fuel into the catch bucket.
  - Lower the hose back into the diesel fuel.
  - Using the +/- switch, activate suction and pull the diesel fuel into the tube to a level of 3 to 4 inches above the BINDER LEVEL 2 switch.
  - Repeat the steps to clean the second tube.
  - After the tubes are flushed and filled with diesel fuel the system is ready to be shut down.
  - Remember to switch off **CONTROL POWER** and main power to the machine when all shut down and cleaning operations are finished
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