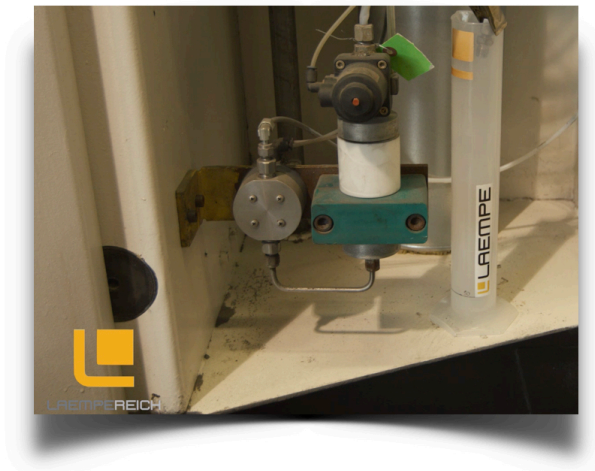




LAEMPEUNIVERSITY
VIDEO TRAINING TOOLS

Calibration Procedure for LAEMPE 1" Gas Generator





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



LOTO | PPE First, before you begin, observe proper LOTO (LOCK OUT TAG OUT) procedures. Wear proper PPE (PERSONAL PROTECTION EQUIPMENT) when servicing any equipment.

These notes are to be used in combination with our Laempe University Video Series for Calibration Procedure Laempe 1" Generator.

ITEMS AND TOOLS NEEDED:

- 2 – 8" adjustable wrenches
- 200 cc or ml graduated beaker
- Safety equipment – goggles, gloves, respirator, etc. – see SDS for the type of amine you are using.

PUMP CALIBRATION = .5cc PER STROKE

1. On the PC Gas Generator screen, set the pre and post dosing to 0 and activate manual gassing (front doors closed, set up operation off, manual on). This will clear the vapor out of the generator heater.
2. On the PC Gas Generator screen, set the purge pressure to 0 and the gassing time to 2 seconds.
3. At the heater, remove the amine line from the check valve.
4. Remove the check valve from the heater and reinstall on the end of the amine line.
5. Change the pre-dosing setting to 100 strokes.
6. Hold the check valve into the graduated beaker and have someone enter 100 into the pre-dosing on the gas generator screen. As soon as the 100 strokes are entered, the pump will begin to stroke. Check the amount in the beaker when the pumping is complete, 100 strokes should equal 50 cc or 50 ml. If more amine is needed, turn the adjusting bolt out; if less is needed, turn the adjusting bolt in. **NOTE: On a new pump, the adjusting bolt can be turned out from a fully seated position 4 FLATS OF THE BOLT HEAD. This will set the pump fairly close to proper calibration for the first check.**

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7. After adjusting the pump, you can activate manual gassing and the pump will stroke again to allow measuring the amine after adjustment. Repeat as many times as needed to set pump to spec.

Note **Make sure the lock nut on the adjusting bolt is seated securely on the back of the cylinder and there is no air leaking around it. An air leak on the adjusting bolt can cause calibration variances!**



Ready for in-house training? Let us bring **LAEMPEUNIVERSITY** to your foundry. Contact our team today at (205) 655-2121.

