



LC MESH STRAINER MAINTENANCE

Technical Bulletin

LC currently uses a 150-mesh strainer to reduce the amount and size of foreign material passing through the strainer in order to extend the measuring chamber service life. Liquid propane may include fine rouge, rust and other contaminants picked up through the distribution chain from refinery to the bulk transport truck. Another source of contamination is rust following hydrostatic testing.

Foreign material that can pass through a 150-mesh strainer may be a potential cause for seizing of the measuring chamber. It is very important to inspect as well as clean or change the mesh strainer as soon as your gallons per minute slow down or at least once a year in your slow season.

Vapor
eliminator
tower

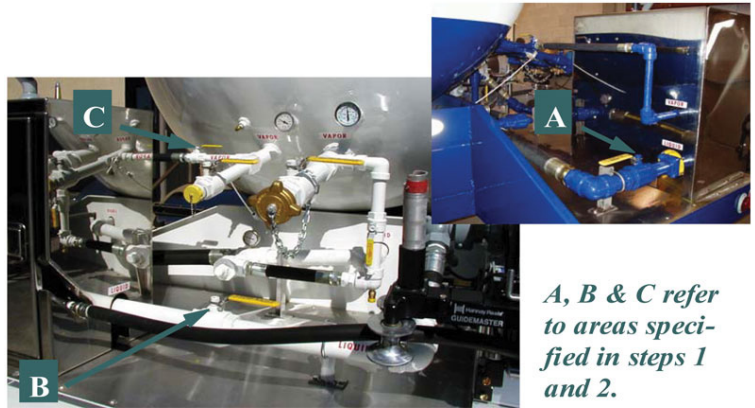
Meter Strainer -
Area below the
dotted line is the
“strainer basket”



Directions to Depressurize Meter and Perform Strainer Maintenance

1. Close the ball valve before (A) and after the meter (B). On a Lin's truck, it is a 2" globe valve before the meter and a 2" ball valve after the meter.

2. Close the 3/4" ball valve for the vapor return on the meter (C). This is the line that goes to the vapor eliminator.



3. To depressurize the meter, break the flexible connector under the relief valve on the vapor eliminator on the left side of the meter and the flexible connector on the differential valve on the right side of the meter by slowly loosening the lines. Don't remove the lines completely, just crack them enough so that liquid/vapor begins to release. There will be liquid coming out of these lines so you need to use caution! In newer trucks there may be a bleeder installed at the bottom of the measuring chamber at the center of the meter. If this is the case, you can instead open the bleeder to depressurize the meter. When the escaping liquid stops and the vapor subsides, remove the lines completely to ensure depressurization.

4. Next remove the strainer cover. Use caution as the propane can auto refrigerate during this process and there may still be liquid propane in the bottom of the meter. The strainer cover is located on the lower left corner of the meter. It requires a 9/16" wrench or socket. After removing the strainer cover, pull out the strainer, keeping it level to prevent foreign material from falling into the strainer basket. Place the strainer over a broom handle and wash it with a power washer.

5. Once the strainer has been cleaned, reinstall with the small opening heading in first. A new o-ring is required for the strainer cover re-installation.

6. Bolt the strainer cover back on and reconnect the removed lines.

7. Repressurize the meter by cracking the 3/4" vapor ball valve open. When equalized, open the ball valves before and after the meter. Check for leaks.

Lin's recommends keeping a spare 150-mesh strainer on hand to reduce truck down time. Also, refer to your maintenance manual.

WARNING: The use of this system is inherently dangerous. Only those trained and experienced with the safe handling of propane, and those with full knowledge of the truck's piping, should attempt to perform this task. Every recommended and otherwise reasonable safety precaution must be followed at all times, including but not limited to the requirement that this operation must be performed in a safe location that is well away from any potential hazards. Lin's Propane Trucks, Inc. accepts no responsibility whatsoever for the adverse consequences of any work that might be performed on or in the presence of its equipment, it being presumed that all such adverse consequences were the fault of those performing the work.

Strainer Cover Vapor Eliminator Connection Differential Valve Connection



LC electronic meter shown. Mechanical registers will not have the 3rd line from the register head to the vapor eliminator.