

# Lower Loading Assembly

## Complete Assembly Instructions



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This manual describes assembly instructions for the Status Flow Lower Loading Assembly, manufactured by Performance Pulsation Control, Inc. The information contained herein reflects recommendations based on industry best practices and recognized safety protocols. Use of the information and procedures contained in this manual is voluntary and is to be implemented at the sole discretion of the user. The user is at all times responsible for operating and maintaining pulsation dampeners in a manner that is safe, conforms to the owner's established business practices, and is in conformance with applicable regulations.

**NOTE:** Please read all instructions carefully before proceeding with the installation, operation, and charging of this equipment. Contact Performance Pulsation Control for assistance or questions concerning the information in this manual.

## MATERIALS

- 5/8" Wrench
- 3/4" Wrench
- 7/16" Wrench
- 9/16" Wrench
- 1/2" Wrench
- 1/2" 20NF Tap
- WD-40 or Light Oil
- Grease
- Teflon Tape

1. Remove the dust cap from the top of the suction stabilizer unit on which the LLA is to be installed.



2. Remove the valve stem core from the charging valve.



3. Release any pressure present in the stabilizer by loosening the charging valve port using a 5/8" wrench and gently loosening the upper nut at the bottom of the charging valve.

4. After the pressure has been released, remove the loading valve using a 3/4" wrench to fully loosen the lower nut at the bottom of the charging valve.



5. Once the valve is removed, check the condition of the threads in the loading valve port. If necessary, use a 1/2"-20 NF tap and a light lubricant to restore the threads to proper condition.



6. Lightly coat the threads of the 3/4" adapter in the LLA assembly with grease.



**! CAUTION**

Ensure that all of the pressure is relieved. Failure to remove all of the stored pressure in the cartridge may result in injury during the LLA installation.

7. Install the LLA adapter in the previous valve port and tighten snugly with a 3/4" wrench.



8. Wrap the threads of the 1/4" tubing adapter and then install the tubing adapter into the 3/4" adapter previously installed in step 7. Use a 7/16" wrench to properly tighten the tubing adapter.



9. Loosely install the 90-degree tubing elbow onto the tubing adapter. Do not fully tighten the 90-degree elbow onto the tuning adapter.



10. Install the 1/4" stainless tubing into the top location of the 90-degree elbow and secure the tubing in place with a 9/16" wrench.



11. Place Teflon tape on the threads of all remaining LLA components.



12. Install one of the T-valves in the end of stainless steel body as shown. Tighten the valve in place with a 3/4" wrench.



13. Install the additional T-handle valve into the other end of the stainless body as shown. Tighten the valve in place using a 3/4" wrench.



14. Install the lower loading valve into the stainless body at the location shown. Tighten securely with a 3/4" wrench.



15. Install the pressure gauge into the front of the stainless body as shown. Tighten securely using a 1/2" wrench.



16. Install the 1/4" tubing fitting into the T-valve at the top of the stainless body and tighten securely with a 9/16" wrench.



17. Connect the fully assembled stainless valve/gauge body to the 1/4" stainless tubing extending down from the adapter port at the top of the stabilizer. Tighten the tubing fitting with a 9/16" wrench.



18. Align the tubing with the bleeder valve and label.



19. Spread the stainless steel mounting band open and place it around the stabilizer and tubing as shown.



20. Secure the band by joining the ends together using the 3/8" bolt/nut and securing them with a 9/16" wrench.



21. At the top of the stabilizer, tighten the bottom nut of the 90-degree elbow around the tubing using a 9/16" wrench.

