

ECT Tube Retrofit Patent Pending

Maintenance Free Enhanced Cellular Technology Installation Instructions

This document describes replacing a gas charged cartridge with ECT Tube Retrofit manufactured by Performance Pulsation Control, Inc. (PPC). 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 applicable regulations.

NOTE: Please read all instructions carefully before proceeding with the installation and operation of this equipment. Contact Performance Pulsation Control for assistance or questions.

MATERIALS NEEDED:

- General Hand Tools

INSTALLATION:

1. Shut down pump and bleed system pressure. Use bleeder valve on stabilizer to ensure no pressure is present in the case. Care should be taken to manage any fluid that comes out.
2. Bleed off nitrogen charge from cartridge using the charging valve.
3. Loosen top as per proper method by style:
 - Clamp type - loosen top and open clamp.
 - Union - loosen top as per approved practice.
 - Thread top - loosen top as per approved practice.
4. Once top is loose, remove cartridge from stabilizer case.
5. Inspect and clean the inside of the case, any gasket sealing surfaces, threads and clamp (as applicable).
6. If replacing a union or threaded top cartridge version, install the O-rings on the new top (new O-rings included with retrofit kit). Grease the threads, if applicable, with the appropriate anti-seize compound.
7. Insert ECT retrofit kit into stabilizer and secure in place.
8. If replacing a clamp type top:
 - Grease the new gasket (included with retrofit kit).
 - Place gasket into position.
 - Replace clamp and tighten fasteners to secure cellular tube assembly.
9. Open bleeder valve and begin pump start-up procedure.
10. When fluid comes through the bleeder valve, close it. Care should be taken to manage any fluid that comes out.
11. Resume normal pump operation.



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