Powering up the Vacuum Degasser

- 1. With the Vacuum Degasser plumbed into the system and the power cord installed, as described in the above section, flip on the rear panel power switch. The Bi-colour LED should flash orange.
- 3. Within 2 minutes the LED should change from flashing orange to glowing green.

Shutdown

 Turn off the Vacuum Degasser when the LC to which it is connected is not in use. The vacuum chamber(s) will slowly return to atmospheric pressure when the unit is powered off. This is accomplished by a small, in-line vacuum bleed and reduces the possibility of solvent vapors condensing in the vacuum tubing or pump head.

Operational Considerations



Caution: The degassing tubing in the Vacuum Degasser is manufactured from Teflon AF®. Teflon AF® is inert to all solvents normally used in HPLC, however, it is soluble in perfluorinated solvents such as Fluorinert® FC-75 and FC-40 and Fomblin perfluoro polyether solvents from Ausimont. In addition, Freon® solvents will adversely affect Teflon AF®. Use of such solvents in the Vacuum Degasser will result in the dissolution and hence destruction of the tubing.

Note: All parts that contact the mobile phase are made of PEEK, Kel-F®, Tefzel® or Teflon AF®. PEEK is sensitive to Sulfuric acid and certain solvents.

Caution: Damage caused by precipitating buffer salts in capillary tubing, or damage resulting from improper flushing, is specifically excluded from warranty.

For instructions on how to flush the degasser during shutdown, please refer to the "Shutdown" chapter in the operators manual.

DEGASi[®] PLUS Quick Start Guide





Quick Start Instructions

Install the AC Adapter with Power Cord

AC adapter. With the power switch off, insert plug into the AC supply. select the one appropriate for the local electrical socket and install it onto the Power jack on the Vacuum Degasser rear panel. From the set of four plugs, Plug the round connector at the other end of the AC Adapter's cord into the

To make a tubing connection:

- Degasser. the solvent supply to the Vacuum chromatography tubing from 1. Run a line of 1/8" O.D. x 1/16" I.D.
- configuration. See figure to the right for fittings
- ANOTE: Hand-tighten only. Connect tubing
- euld ,bessegeb ed ot senil lenoitibbe 4. Repeat steps 2 through 3 to connect
- Ø
- shod besunn γns.









the tubing, approximately 5 milliliters. and drawing air and/or mobile phase into the syringe until no air remains in of the LC or by connecting a syringe to the tubing or LC pump priming port through the degassing system. This can be done by using the prime function Prime each degassing membrane by pulling the solvent from the reservoir.

.(70 psig, 4.8 Bar). membrane is 0.48 MPa membrane is quite rugged. The maximum recommended pressure on the of pressure which might rupture the membrane, even though the Systec AFTM the degassing systems. This technique can generate several hundred pounds A CAUTION: DO NOT prime the membranes by pushing solvent through

A CAUTION: Gel Permeation Applications (GPC) and

Normal Phase Chromatography Applications.

We also recommend use of our hardened vacuum chambers for hardened (stented) vacuum chambers. Systec AF to slightly swell and we recomend for such users our GPC Altough not frequently used in GPC, hexafluoroisopropanol (HFIP) causes normal phase Chromatography Applications