

# Systec Vacuum Degasser Quick Start Instructions

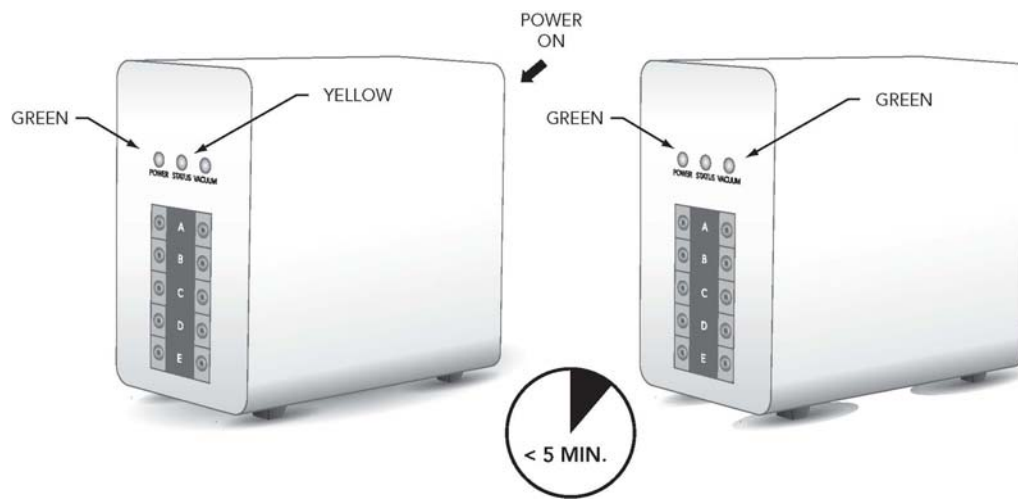
## Powering up the Vacuum Degasser

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 green Power LED should illuminate.
2. Start solvent flow through the system and check for leaks around the 1/4-28 connectors.
3. Within 5 minutes the Status LED should turn off and the Vacuum LED should illuminate.



## 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.



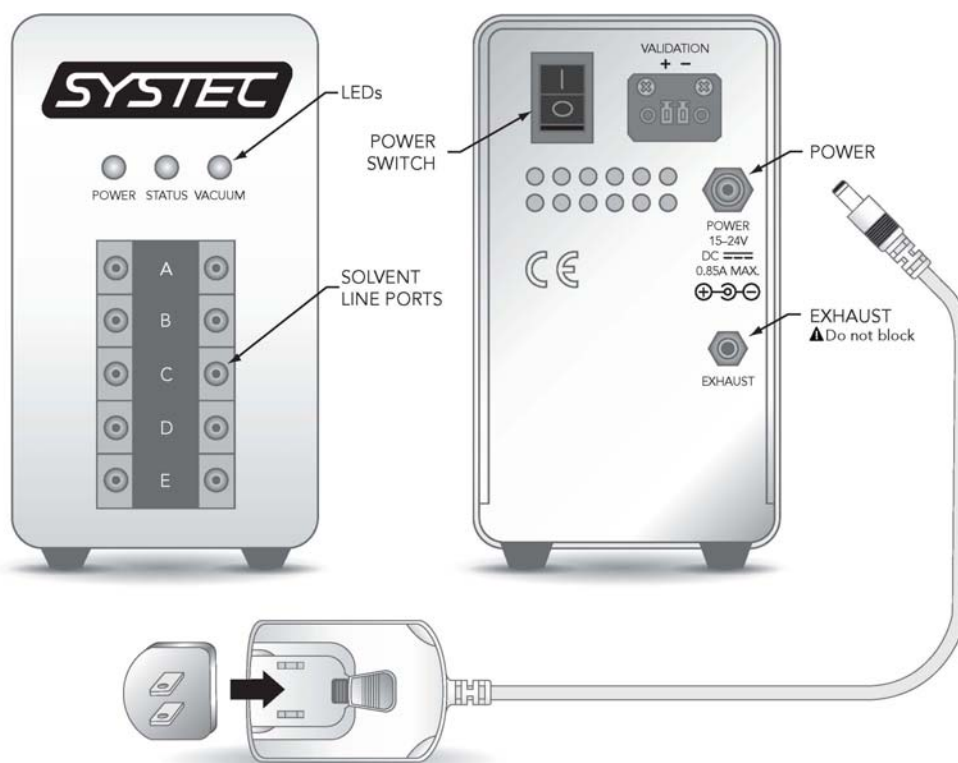
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### Install the AC Adapter with Power Cord

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



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### To make a tubing connection:

1. Run a line of 1/8" O.D. x 1/16" I.D. chromatography tubing from the solvent supply to the Vacuum Degasser.

2. See figure to the right for fittings configuration.

3. Connect tubing

**▲ NOTE:** Hand-tighten only.

4. Repeat steps 2 through 3 to connect additional lines to be degassed, plug any unused ports.

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

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

### SUPER FLANGELESS FITTINGS SYSTEM:



Swaged lock ring allows tightening without twisting the tube



Ferrule



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