What is claimed is:

1. A method of cleaning a manifold and its associated tubing, wherein each piece of tubing in is fluid communication with the manifold and with a respective channel of a pneumatic controller, the method comprising:

disposing a cleaning solution in a cleaning plate;

placing the manifold on the cleaning plate;

applying negative pressure to a vacuum channel using the pneumatic controller to seal the manifold to the cleaning plate; and

performing a cleaning sequence.

2. The method of claim 1, wherein the cleaning sequence aspirates the cleaning solution into the manifold and the tubing.

3. The method of claim 1, wherein the cleaning plate comprises a plurality of wells, wherein the cleaning solution is disposed in at least one of the wells.

4. The method of claim 3, wherein the plurality of wells includes a central well, a gas line well, and a vacuum line well.

5. The method of claim 2, wherein a negative pressure is applied to a channel using the pneumatic controller, wherein the negative pressure causes cleaning solution to enter the respective piece of tubing and flow toward the pneumatic controller.

6. The method of claim 5, where a filter is disposed between the tubing and the pneumatic controller and wherein the filter prevents the flow of cleaning solution into the pneumatic controller.

7. The method of claim 6, further comprising applying a positive pressure to the first of the plurality of channels to return the cleaning solution to the cleaning plate.

8. A cleaning plate for use with a manifold, comprising:

A surface;

sidewalls that are raised from the surface and contact the manifold;

a central well; and

a vacuum line well.

9. The cleaning plate of claim 8, further comprising cleaning solution channels disposed in the surface.

10. The cleaning plate of claim 9, wherein the cleaning solution channels are aligned with channel outputs in the manifold.

11. The cleaning plate of claim 9, wherein the cleaning solution channels are in fluid communication with the central well via transfer channels.

12. The cleaning plate of claim 11, further comprising openings in the cleaning solution channels in communication with an internal channel that is fluid communication with the transfer channels.

13. The cleaning plate of claim 12, wherein the transfer channels comprise cavities disposed at a base of the central well.

14. The cleaning plate of claim 9, wherein walls of the central well and the cleaning solution channels rise to the same height as the sidewalls so as to contact the manifold, and walls of the vacuum line well rise to a lesser extent, wherein a volume is created between the manifold, the surface of the cleaning plate, the

sidewalls, the walls of the central well and the walls of the cleaning solution channels, wherein the volume is in communication with a vacuum line of the manifold.