

Special Instructions for the Industrial & Super Industrial VAK-Matic Systems

6/19/2000 - Special Instructions for Industrial and Super Industrial Vak-Matics

The Industrial and Super Industrial VAK-Matic Systems are built with multiple pumps inside the controller box. Having multiple pumps makes these two systems very versatile. The reason why these systems are made with multiple pumps, instead of one big pump, revolves around two very important factors: Compressed Air Requirements, and Reliability.

Compressed Air Requirements: To run all pumps within your system requires a specific amount of compressed air (Industrial System, 13 CFM@ 85 PSI.- Super Industrial System, 19 CFM@ 85 PSI). In times when your compressor is being used by other tools in the shop, and it cannot produce enough compressed air to run your system effectively, you can turn the Toggle Switch (the metal ON/OFF switch found on your box) to the OFF position. By turning the toggle switch to the OFF position, you can turn off one of the pumps inside the controller box. This will allow you to evacuate your bag or frame press to complete your job when you do not have enough compressed air to run your system at full speed. Your vacuum press will still get up the maximum pressing force, however it will take longer to evacuate your bag or frame press. (With the toggle switch OFF, your Industrial System will run 50% slower, and your Super Industrial System will run 66% slower). Many woodworkers will turn their toggle switch to the OFF position when Vacuum Clamping. This will conserve compressed air, because on a typical clamping job, just one of the pumps inside will provide sufficient clamping force, while still conserving compressed air.

Reliability: Another Reason why Quality VAKuum Products, Inc. has made their Industrial and Super Industrial systems with multiple pumps is to increase the reliability of these systems. If for any reason one of the pumps inside the controller stops working during a job, you can still complete the job with the remaining pump(s). Even though it is very unlikely that a pumps will stop working, this is a very nice feature to have.

Vacuum Connector Assemblies or VCAs

Enclosed with each system will be one or two VCA6's for each bag. Long narrow bags only require one VCA6. The VCA6's are used to create the connection between your bag and the vacuum tubing. (Please read the Bag Instructions on how to correctly install a VCA6).

Vacuum Hose

With each systems, you will receive a 20 ft. Length of thick walled vacuum tubing. It should be cut to your particular requirements. (Example: If you want to put one of your VCA6's at the opposite ends of the bag, it might be easier to cut a longer piece to reach the farthest VCA6. Also, if you are planning on pressing multiple bags at once, you will want to cut the hose to allow comfortable spacing between your bags, manifold, and controller box)

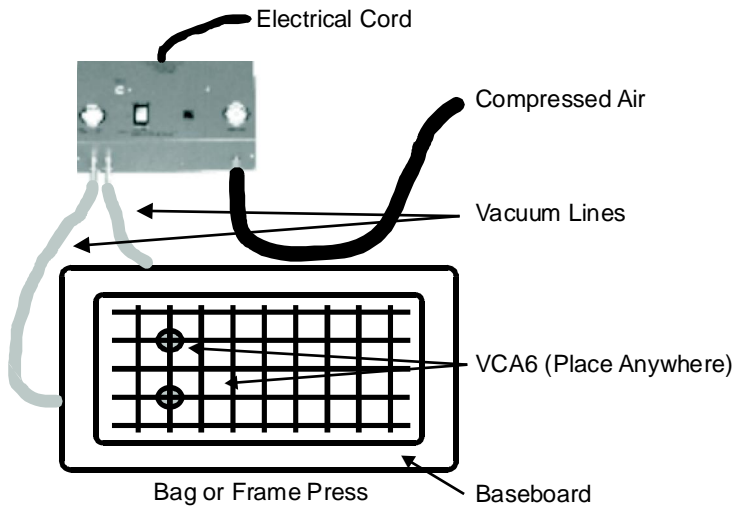
Included with your unit is a TEE with two short hoses attached. Use this whenever you want to use a bag with one VCA6 or when using the unit for VAK Klamping with a vacuum jig or fixture.

CALL 800-547-5484 with any questions.

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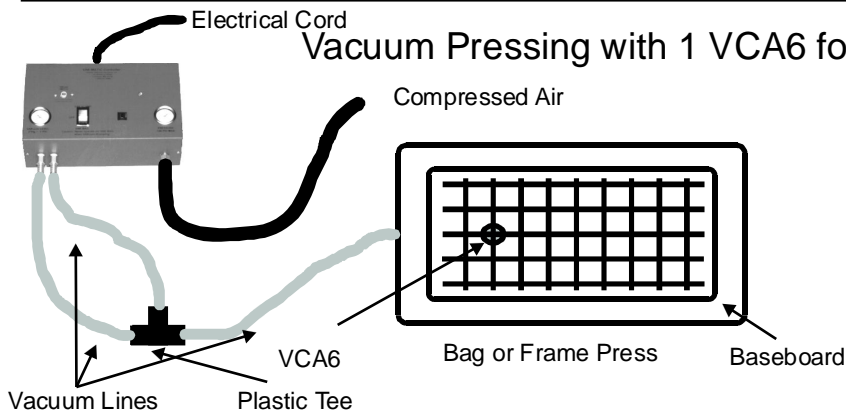
Bag Assembly Diagram Industrial & Super Industrial

Vacuum Pressing with 2 VCA6's for a bag or frame press



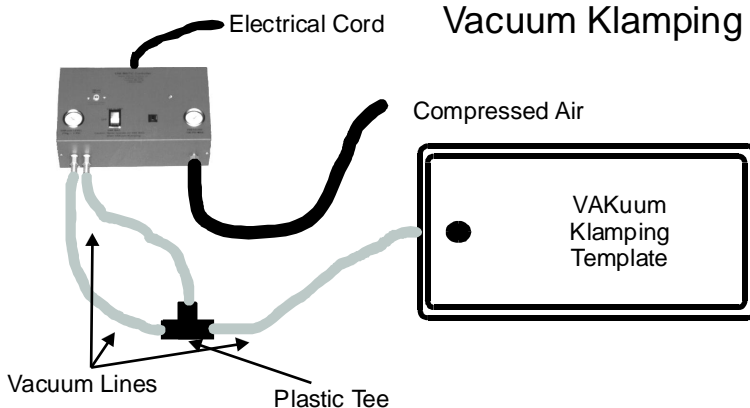
1. Plug wire into 3 prong receptacle.
2. Attach compressed air line to VM or VMFS unit
3. Attach vacuum lines to VCA6's.

Vacuum Pressing with 1 VCA6 for a bag or frame press



1. Plug wire into 3 prong receptacle
2. Attach compressed air line to VM or VMFS unit
3. Attach 2 vacuum lines from unit to plastic tee
4. Attach the other line from plastic tee to VCA6

Vacuum Klamping with one vacuum line



1. Plug wire into 3 prong receptacle
2. Attach compressed air line to VM or VMFS unit
3. Attach 2 vacuum lines from unit to plastic tee
4. Attach the other line from plastic tee to vacuum template

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