

AIR COMPRESSOR

**M, V, and X Class,
M-300, V-400, X-600 and X2-600
Laser Systems**

**Installation and Operation
Instructions**

02/2001

Introduction

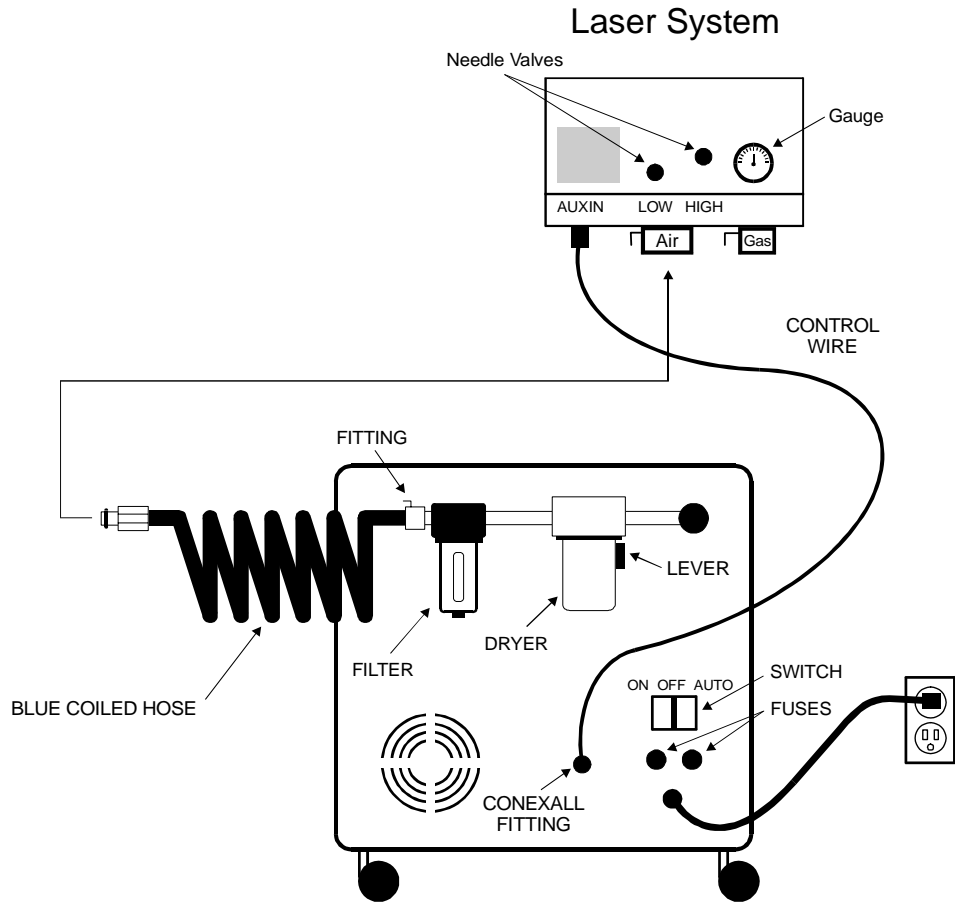
The Air Compressor is used to supply clean, dry, and oil-free high-pressure air to the Air Assist part of the laser system. Before attempting to use this option, you **MUST** completely understand how the laser system and the Air Assist option operate. Please make sure that you have read and understood the Users Manual before continuing.

Installation

Please refer to the diagram on the next page.

1. Make sure the laser system is turned off.
2. Prepare the fitting on the Air Compressor and the Air Assist Control Box by pushing in the lever until it clicks.
3. Plug one end of the Blue Coiled Hose into the Air Compressor fitting and the other end into the Air Assist Control Box fitting until it locks into place.
4. If you have the X Series Laser System, plug one end of the Control Wire to the Air Compressor and the other end into the Air Assist Control Box. Some models have round Conexall fittings while others have a terminal strip. If yours has a terminal strip, attach the Red wire to the "+" and the Black wire to the "-" terminal using a flat tipped screwdriver.
5. Plug in the Air Compressor into a wall outlet. Please check the rating on your Air Compressor for the proper power requirements.
6. The Air Compressor has a three way switch, "ON", "OFF", and "AUTO". Push the switch to the left and it will turn the compressor "ON" all of the time. This is useful for non-computer controlled Air Assisted systems such as the M Series Laser System or it can be used on the X Series if you wish. "OFF" is obviously off. The "AUTO" position allows the compressor to turn on and off only when it receives a signal from the laser system that has the computer controlled Air Assist system such as the X Series. As long as you have selected the Air Assist option to be "ON" in the printer driver, the Air Compressor will automatically turn "ON" when the file runs and "OFF" when it is complete. This feature is **ONLY** available on the X Series Laser System.

Please refer to the instructions on how to use the Air Assist option for more details on using the Air Compressor.



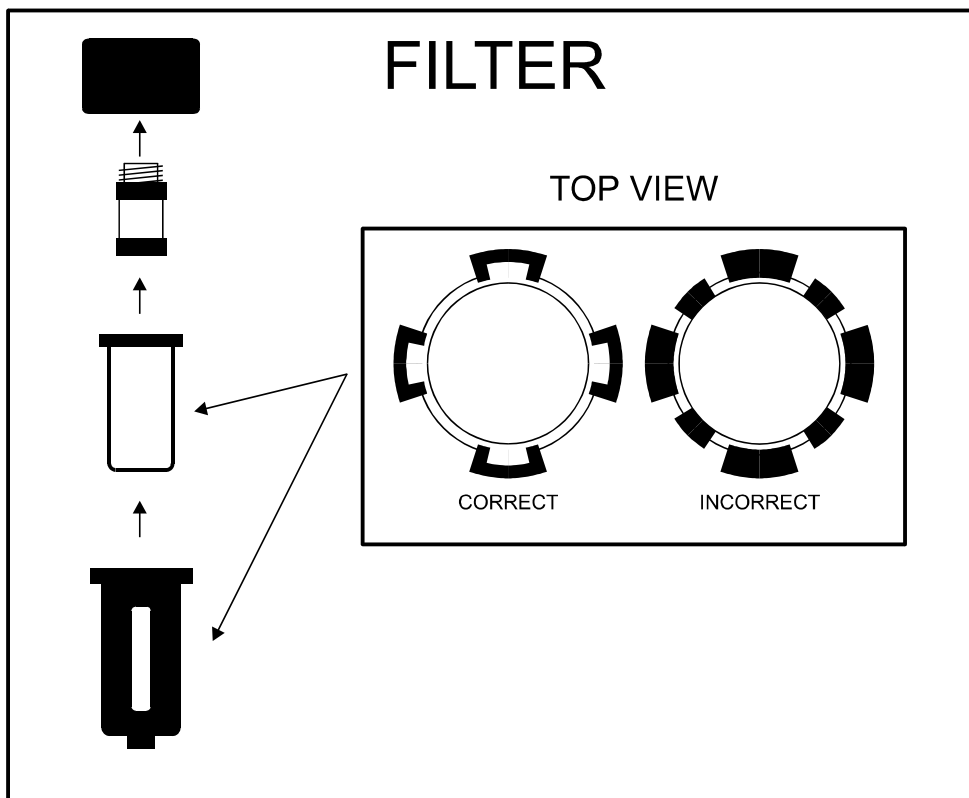
Maintenance

The filter and desiccant should be inspected every 8 hours of use. It may be necessary to clean out the filter and change the desiccant that is inside the Dryer Assembly.

To inspect the filter, you must remove it. To inspect the desiccant you can observe the color of the crystals through the slots in the metal enclosure without having to remove it. If you start to see water droplets or moisture coming through the air lines, you will definitely need to change the desiccant inside of the dryer assembly but it should never get to that point. Indication that the desiccant needs changing is the lack of blue color pigments in the desiccant. The desiccant can be regenerated. Bake it in an oven at 350 degrees F until some of the crystals turn blue again.

Removal, Cleaning, and Replacement of the Filter

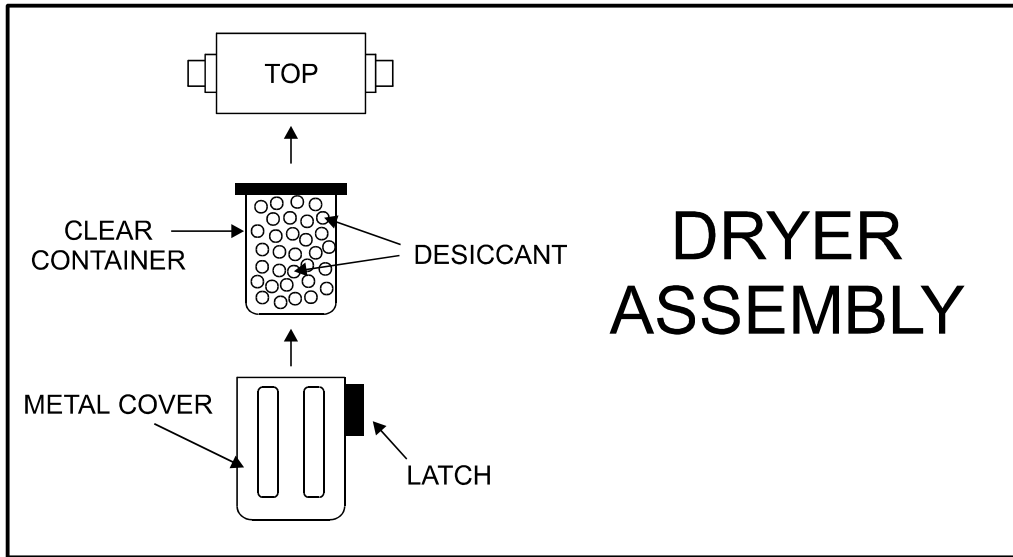
1. Turn Air Compressor "OFF" and unplug it.
2. Unscrew the cover by turning it 1/8 turn counterclockwise like you were unscrewing a jar, and pull down. The clear plastic container might still remain attached to the top. Gently pull this part straight down.
3. You will see a red colored foam filter. Unscrew this filter and remove it. Using an air hose, blow compressed air through this filter or wash it out with water. If you use water, make sure it dries completely before re-installing.
4. Empty and clean out any residue that may have accumulated on the bottom of the clear plastic container.
5. Install the clean and dry red filter back into the top part of the assembly.
6. Install the clear plastic container into the cover and line up the tabs so that they fit one inside of the other. Refer to the diagram below.



7. Insert the combination of the cover and the clear plastic container into the top of the assembly. Gently twist the cover 1/8 turn clockwise to lock it into place.

Removal, Cleaning, and Replacement of the Desiccant

1. Turn Air Compressor "OFF" and unplug it.
2. Pull down on black lever and rotate metal cover 1/8 turn counterclockwise. Remove metal cover by pulling straight down.



3. With a gently and slight twisting motion, pull the clear container downward slowly. Pour out and discard old desiccant.
4. Refill clear container with fresh desiccant from a sealed bag. Fill to about 1/4 inch from top of container.
5. Clean off rubber o-ring on the top of the container.
6. Insert container up into the top.
7. Install metal cover and turn 1/8 turn until lever clicks into place.

If you have any questions or concerns about how to use the Air Compressor or Air Assist options, please call, fax, or send email to:

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