

SILENTAIRE
TECHNOLOGY

SPECTRUM 2000



**General
User and
Maintenance
Instructions**

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TROUBLE SHOOTING

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Thank you and congratulations on the purchase of your SPECTRUM 2000, the hottest new product in the airbrush field in years!

The SPECTRUM 2000 is built to the highest standards of craftsmanship and should give you excellent efficiency.

If you use it properly and maintain it according to this manual, it will perform to your fullest satisfaction for many years to come.

Please read this manual carefully and follow the instructions; this will guarantee you a trouble free operation.

1. Safety Recommendations:



For safety reasons, **before setting up your SPECTRUM 2000 with your compressor, we strongly recommend the following steps:**

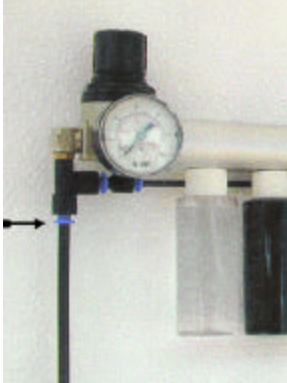
- **unplug the electrical outlet of your compressor**
- **drain all the air out of the tank of your compressor**
- **lift the knob of the Filter/Regulator on the compressor and turn it counterclockwise all the way until it comes to a stop.**

2. Set-up of the SPECTRUM 2000:

The SPECTRUM 2000 Color Changer comes assembled and requires only a few simple connections before use:

- connect the **air hose from your compressor** to the **quick connect fitting** (Part # C7028), located under the Pressure Gauge of your color changer (Picture 1).
- connect the **recoiled tubing** (Part # C7046) to your **airbrush air inlet**.
- if you are using a **side feed airbrush**, press the side feed adapter (Part # C7057, you can buy it as an accessory) firmly into the **side feed hole** on your airbrush.
- if you are using a bottom feed airbrush, **press the tip of the connecting piece to the airbrush** (Part # C7057) firmly into the **bottom feed hole** (or into the **hole of the side feed adapter** if using a side feed airbrush). This part fits like a color cup or bottle and must remain immobile once it's inserted.
- you should make sure the indicator slot on the manifold is positioned so it **can be easily seen** (Picture 2).

- rotate the dial left and right to be sure the indicator slot remains **stationary**, as the selector moves.



Picture 1



Picture 2

3. Operating the SPECTRUM 2000

Before you can use your SPECTRUM 2000 Color Changer, you must fill the bottles (Part # C7045) with color. Remember you can mix adjacent colors.

Start from the left on the tank (Part # C7030), unscrew the first bottle and fill it 1/2 - 3/4 full with your chosen paint. Reattach the bottle firmly and move on to the next bottle. Your paint should be thinned to airbrush consistency. Most off-the-shelf airbrush paints are thinned just right for the SPECTRUM 2000 Color Changer.

For proper operation all the bottles should be filled!

You should reserve one bottle for the solvent that is compatible with the paint that you are using.

Do not mix oil or lacquer with water based; use all water based, or all oil or lacquer based paint and solvent in your Color Changer!

Your SPECTRUM 2000 Color Changer is ready to have the lines primed:

- plug your compressor into an outlet and turn the pressure switch knob to **ON**.
- when the compressor has built up the pressure in the tank, lift the knob of the filter/regulator, on your compressor, and turn it **clockwise** until the pressure-gauge shows about 25 PSI.
- lift the knob of the regulator on your color cylinder (Part # C7026) and turn it **clockwise** until the pressure-gauge (Part # C7027) shows 12-15 PSI.
- line up a color-position on the connecting piece to the airbrush (Part # C7036). Pull the trigger on your airbrush. This starts the process of priming the line for that color. The transparent tubing makes it easy to see paint moving up the line, filling it all the way to the airbrush.
- select all the other color positions and prime/fill all the Teflon tubes with color or solvent up to the airbrush.

- once you are sure of your sequence of colors, we recommend that you apply a drop of the corresponding color to each color-position on the dial for easy color reference.
- lift the knob of the regulator on the SPECTRUM 2000 (Part # C7026) and turn it **counterclockwise** until the pressure-gauge (Part # C7027) reads 1 to 3 PSI.
- when you use your SPECTRUM 2000, start with as little pressure on the colors as possible; it should not be operated above 15 PSI pressure on the colors.

Note: Observe all standard safety measures to protect your health before using the SPECTRUM 2000. Wear Safety Glasses, Respirator and ventilate your work area.

4. Tips for your application:

Your SPECTRUM 2000 Color Changer is a **pressure delivery system**, which will allow you to paint with your airbrush in any position. You no longer need to worry about spilling paint from a cup or bottle.

By adjusting the pressure on your paint supply using the regulator (Part # C7026, Picture 3) on the tank (Part # C7030) of your SPECTRUM 2000, you can **squirt, spatter and spray** as never before!

For example, if you trigger your airbrush **without pushing down for air**, you will have a **stream of paint!**

Remove the air cap and experiment with the spatter ability you have with this system.

Rotate the connecting piece to your airbrush (Part # C7038) through each color to familiarize yourself with the SPECTRUM 2000 operation. Stop **halfway between colors** and see the results of the blend. If you have red, yellow and blue next to each other, you can create orange and green with the color changer.

Try using different pressures on your colors and also on your airbrush. Experiment with your new color system and you will see amazing results!

5. Maintenance:

You will notice that each bottle has a glass marble in it. This works like the marble in a spray can. You can pick up the tank of your Color Changer (Part # C7030) now and then, and give it a ten second shake. This will help keep the pigment from settling in the bottles.

When you're ready to paint again, shake your color changer to agitate the marbles and mix the paint. Some paints may require removal of the bottles and stirring with a small stick. Then pressurize the bottles, prime the lines again and start painting.

Long term storage will require you to **backflush** the system: lower the pressure on the bottles to 0

PSI, then cover the tip of the airbrush with a rubber eraser and push the trigger down and back. When you hear the bottle “bubbling”, you will know that the line has been flushed with air. Repeat this procedure with each color line.

The next step for long term storage will require you to remove the color from the bottles and store it in its original container. Clean and fill each bottle of the Color Changer with the appropriate solvent for the medium you have been using. **FLUSH ALL LINES WITH CLEANER IMMEDIATELY!**

Should you need to remove the SPECTRUM 2000 Color Changer from your airbrush, disconnect the compressor from the color changer, grasp the color changer firmly with one hand, and with the other hold the **Board-Tool** (Part # C7043, Accessory Package), go with the **flattened surface** towards the airbrush and turn the Board-Tool gently around **with the round side towards the Connecting Piece to the Airbrush** (Part # C7037). Without applying much power to the Board-Tool, the two parts should be easily separated from each other.

6. Troubleshooting:

Trouble:	Probable Cause:	Remedy:
Choosing a color with the color dial causes the color indicator mark on the connecting piece of the airbrush to move with dial	The connecting piece at the airbrush is not tight enough in the hole of the paint feed of the airbrush	Rests of old paint in the paint feed hole of your air-brush can cause a slipping of the connecting part in the paint feed hole. Clean or even scratch out old paint from the paint feed hole of your airbrush.
Paint or solvent or air bubbles leak around the connecting piece to the airbrush (part # C7037)	The shoulder bolt between the teflon tubing connector and the color dial is too loose	Tighten the shoulder bolt.
Paint or solvent escapes around the trigger of the airbrush	Airbrush has no needle seal	Check your airbrush to see if it contains a needle seal (airbrushes without a needle seal can not be used with the SPECTRUM 2000).
	Needle seal of the airbrush is defective	Replace defective needle seal of your airbrush.
A chosen paint color will not spray	Pressure to the bottles is too low preventing color from reaching the connecting piece to airbrush	Increase pressure on the colors.
	Color is too viscous	Thin the color with solvent.
	Color clogged a color tube	Back flush the system by increasing pressure on the compressor and decrease pressure on the SPECTRUM 2000 , then press an eraser rubber on the tip of the airbrush and depress trigger completely down and back until you can recognize bubbles coming up in the bottles.
No pressure on an individual color bottle	Paint clogged entrance of compressed air around the Teflon tube	Remove bottle and push Teflon tube one half to one inch up and down in the bottle cap to dislodge any dried paint. Clean off the exterior of the Teflon tube and reassemble bottle.