

Stewart Systems

Air system and Paint gun step quick reference guide

1. You are going to need a BIG compressor that can put out 13-15cfm @ 90psi, a new 3/8" air hose, and a *high quality* water-trap/regulator. A good .01micron filter is desired for clean air. Always open the sump and drain out the water in the compressor tank before painting.
2. The shorter the run from the compressor to the paint gun the better. Try to stay under 50'. You can reduce condensation in the air system by adjusting the compressor to turn off at 120-130lbs. Connect the water trap/regulator and airline directly without quick disconnect fittings to reduce the airflow loss at the connections. A quick disconnect at the gun is necessary.
3. **Do not use old hoses that may have been contaminated by unfiltered air from the compressor or used with an inline oilier system. Do not use silicone hoses. Do not use silicone anywhere in or near your painting system.** Dedicate a new 3/8" hose for paint use only.
4. Hook up the paint gun with needle valve, new air hose, and regulator/filter.
5. Use water in the paint gun to test the system. With the fan control all the way open and the fluid control set at 1 ¼ - 1 ½ turns open pull the trigger all the way in.
6. Adjust the main filter/regulator to 75llbs
7. Adjust the needle valve on the paint gun to 23lbs
8. Continue holding the trigger open spraying water and let the air compressor cycle on and off while monitoring the regulator and needle valve pressure. **Make sure the compressor will cycle without a drop in pressure from either gauge.** This will help maintain a consistent air flow at the paint gun.