

January 2016

# DEVILBISS<sup>®</sup> TIMES



# LET'S TALK

# REP

# COMPRESSED AIR System Best Practices:

Many compressed air systems have performance and reliability issues due to their design, implementation, or lack of maintenance. Is your compressed air system running optimally? Consider the following best practices:

- A compressed air system big enough for automotive refinishing should have at least 25 ft. of metal pipe after the compressor for cooling and condensing purposes. Air coming out of a compressor will usually range from 180 °F to 230 °F. Temperatures this high can also damage any downstream equipment that has plastic or rubber seals and components.
- Main air lines and major branches with a horizontal run should slope towards a drain point (e.g. - a drip leg) at a rate equal to (or greater than) 1 inch vertical for every 10 feet of pipe.
- Branches, drops, and other air supply lines should come off of the top side of a main airline to prevent liquids and heavy particulate from moving downstream.
- Where drop legs are used to bring the airline down to a usable height, the air outlets should never be installed at the very bottom of the drop leg. Instead, it should be connected to the side of the drop leg, with a small section of the drop leg below that can collect fluids and particulate. A drain valve may be placed at the bottom of the drop leg.
- Drains should not be left cracked open to waste air and energy. Electronic timer or automatic float drains work well without needing to be manually operated every time.
- Even small air leaks can add up! Threaded connections should be checked for proper sealing. Make sure all hoses are in good, leak-free condition.
- Don't overload your air system; use only what air you need. Every 2 psi increase above 90 psi requires 1% more energy. Many shops' air compressors account for 50-70% of their monthly electrical usage.
- Using high flow fittings and larger diameter (3/8") hoses helps to improve air flow and reduce pressure loss, making the compressed air system more efficient and saving wear and tear on your compressor.
- A combination of pressure regulator(s) and valve(s) is optimal for providing consistent pressure and flow (with convenient adjustability) for your spray gun application. Ideally, the regulator at the wall should be set to ~10 psi above your spray gun's input need (assuming the use of larger diameter hoses and high flow fittings), and the valve on the gage adjacent to the spray gun should only be used to fine-tune the pressure.
- Dirt, oil, and water are the enemy. Having properly sized and well maintained water separators, oil coalescers, particulate filters, and air dryers is crucial for producing good quality compressed air.
- Do not use PVC or CPVC pipe for compressed air applications! The material qualities of this type of plastic pipe are unsuitable due to its risk of brittle fracture, its susceptibility to UV and temperature degradation, and its incompatibility with synthetic compressor oils. Use copper, black iron, galvanized, or specialty aluminum pipe instead.

## GOT QUESTIONS? WE HAVE ANSWERS!

Customer Service & Technical Support:  
1-800-445-3988  
Monday-Friday • 8am to 5:00pm EST  
E-mail us at: [askus@carlisleft.com](mailto:askus@carlisleft.com)

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# WIN A FREE **FINISHLINE**® Spray Gun!

Tell us what your favorite  
**DeVilbiss® Automotive  
Refinishing** product is and why.

**TO ENTER** send an e-mail to  
[shui@carliseft.com](mailto:shui@carliseft.com)



No purchase necessary. Valid in the United States and Canada only. One winner randomly chosen on January 15, 2016 to win a FLG-671 FinishLine® Spray Gun.

## DeVilbiss Paint Charts Make Gun Setup Simple.

Need to know the recommended settings for the material you are spraying? Recommended settings can be found easily on the DeVilbiss website for common materials from all major paint companies. The recommendations have been developed by working directly with the paint companies, using their suggestions for how to set up your spray gun to ensure the best finish for each of their materials. For each brand you will find charts with the recommended spray gun, fluid tip, air cap and pressure for each material. **The paint charts can be found on our website under Spray Gun Setup > Paint Company Recommendations. Make sure to download and print your brand's charts for quick reference!**



### Did you know?

You can post questions to our Facebook page



[www.facebook.com/devilbissautomotiverefiniting](http://www.facebook.com/devilbissautomotiverefiniting)

## What Makes a Good Waterborne Spray Gun?

A good quality waterborne gun is specially designed to efficiently spray all types of waterborne materials. The gun will withstand repeated cleanings with plain water and waterborne gun cleaners without corroding, and cleanup will be relatively easy.

Some painters may try to use guns that aren't recommended for waterborne use, but corrosion will always occur and life of the gun will be shortened. In addition, quality of the paint job can be compromised due to corrosion residue mixing into the paint.

Most spray gun manufacturers offer equipment which is designed specifically for waterborne use. This is usually dependent on the materials used in construction of the gun and cup. All components comprising the entire fluid path need to be made of high grade stainless steel, anodized aluminum, plated brass, or polymers. This includes spray guns, cups, pressure pots, fluid hoses, fluid strainers, fluid regulators, and fluid fittings. Gravity and suction cups made of unanodized aluminum are not recommended for waterborne materials.

Some spray gun manufacturers such as DeVilbiss, now offer guns which have interior passageways and exterior surfaces which are coated with proprietary coatings for easy cleanup. QuickClean™ by DeVilbiss is one such example. The QuickClean™ coating is very durable, and soft bristle brushes easily remove any residue. Wire brushes should not be used during cleanup to avoid scratching the surface. Cleaning waterborne materials from spray equipment is best done with with warm water (120-130°F), immediately after spraying.

**QUICKCLEAN™**

Waterborne gun cleaners must be maintained regularly to keep the gun cleaner solution PH level between 6.0 and 8.0. If the cleaner isn't maintained properly, the solution will become acidic and damage can occur to the spray gun components. This can occur with any make or model of spray gun.

Waterborne paints spray, flow out, and dry differently from solvent-based paints. For this reason, many gun manufacturers have specifically developed air caps, fluid tips, and entire guns which spray waterborne materials well in any climate. DeVilbiss offers a complete line of spray guns designed for waterborne and solvent-based materials. Please see your DeVilbiss Automotive Refinishing jobber or go to [www.autorefinishdevilbiss.com](http://www.autorefinishdevilbiss.com) for more information.

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# SEMA

2015



## Dirty Booth Makeover Contest



**Do you paint in a dirty booth that could use a DeVilbiss CLEAN™ makeover?**



Submit a photo of your dirty booth to [sdrew@carlisleft.com](mailto:sdrew@carlisleft.com) or tag your photo on Facebook or Instagram using **#DeVilbissBoothMakeover** for your chance to win Booth Wall Coat, Clear Glass Coat and Dirt Control Floor Coat for a full booth makeover! Enter your photos by January 31, 2016!

No purchase necessary. Valid in the United States and Canada only. One winner randomly chosen on February 5, 2016 to win 4 gallons of Booth Wall Coat (803668), 1 quart of Clear Glass Coat (803669), 5 gallons of Dirt Control Floor Coat (803491) and a 2-gallon pump sprayer (803492).



## DESICCANT AIR DRYING SYSTEM

The New CAMAIR DAD-PRO Desiccant Air Drying System provides worry free air filtration for top-quality paint jobs. Air enters the 2-stage filtration package where it is purged of water, oil and oil aerosols. Once cleaned, the air enters the desiccant tank to further remove any remaining water vapor.



**Replaceable Desiccant Cartridge for Easy Maintenance**



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