

## Up To Date

### Santa Rosa

*The new Sigler Wholesale Distributors store in Santa Rosa is now open. The address is 256 Sutton Place, #104 and the phone number is 707.361.7600.*

### Price Increases

*The HVAC industry continues to experience wide-spread inflation. Please be sure you are quoting jobs with the latest pricing. Note that Carrier Corporation announced an increase up to 8% effective September 1. New price pages should be available mid-month.*

### CFAD Financing

*During this time period when Cool Cash rebates are not an option, Carrier continues to offer discounted financing options for registered Factory Authorized Dealers. This includes rate discounts between 3.0 and 7.18%.*



## What's New on SiglerTV

**ecobee Thermostats  
Heat Pump Wiring (10 videos)**

Chuck, Jesse, Joey, Adonis, Randy and Nick inside the new Santa Rosa store

## Importance of Static Pressure

A furnace or fan coil moves air through the duct system. If the system has lots of obstacles for the air, less air is delivered out of the supply registers. Common obstacles in a system are the evaporator coil, filter, supply registers, return grilles and the number of bends and twists in the ductwork itself.

None of this is news to anyone who has been in our industry for more than a few days. But a more difficult concept to understand is static pressure.

Imagine a stationary exercise bike connected to a light bulb. If you jumped on that bike with 50 pounds of weight on your legs, you'd generate some light, but not the full amount. However, if you had nothing weighing you down, then the bulb would be very bright. If the weight was increased and you had 100-pound weights on your legs, the light would be minimal. Beyond that, you're going to be working very hard to generate any meaningful amount of light.

In this simplified example, you are the furnace doing the work of moving air. The

weights are restrictions in the duct system and the intensity of the light is the volume of the air. Extending this example further by putting numbers to it, you have the capability of handling about 100 pounds of weight in the same way that a furnace is capable of handling about 1" of static pressure. The weight is like a pressure drop and each 10-pound weight strapped to your legs is like a 0.1" pressure drop. Some weight is unavoidable because most systems have an evaporator coil and ductwork. However, if you can avoid putting weights on your legs, you should!

There are some easy places you can look to avoid unnecessary weight on your legs or pressure drop in your system:

- Within the same MERV rating, 4" filters have less pressure drop than 2" which is less than 1".
- Splitter wyes have less pressure drop than tee-wyes.
- Shoemaker 945 and 950 registers have less pressure drop than 845 and 850 registers.
- Shoemaker 620FG filter grilles have less pressure drop than FG1 grilles.

# Sigler

Wholesale Distributors

THE PRODUCTS YOU NEED  
THE VALUE YOU DESERVE

## Concord

1920 Mark Court, #100  
p - 925.825.1540  
e - CNCorders@siglers.com

Jimmy Hilton x8504  
Steven Anello x8509  
Catie Bier x8516  
Eric Lynds x8502  
Steve Moorhead x8501  
Joshua Parrish x8517  
Alyssa Piler x8506  
Linda Randall x8311  
Adam Winship x8512

## San Jose

1070 Commercial St, #106  
p - 408.453.3300  
e - SAJorders@siglers.com

AJ Brantley x8522  
Taylor Abernathy x8321  
Joseph Bautista x8309  
Leandro Betancourt x8416  
Neena Flores x8327  
Mike Ha x8305  
Denise Jarquin x8346  
Ann Martinez x8329  
Elly Moreno x8320  
Cynthia Rivera x8324  
Timmy Ton x8339  
Pilar Zavaleta x8304

## Santa Rosa

256 Sutton Place, #104  
p - 707.361.7600  
e - STRorders@siglers.com

Adonis Segrove x8412  
Jesse Cierley x8554  
Nicholas Coleman x8552  
Randy Shields x8551

## South San Francisco

229 Littlefield Avenue, #4  
p - 415.330.6600  
e - SSForders@siglers.com

Debbie Russitano x8412  
Pete Martinez x8406  
Tricia Maychrowitz x8404  
Kai Sorensen x8415

**Technical Support**  
866.754.4822

## Featured Products



Have you compared the performance of a Shoemaker stamped face register versus a bar-type register?

At the same velocity, the airflow through a bar-type register can be more than double than through a stamped face register. The pressure drop through the bar type is also noticeably lower. The story is similar on the return side as well. An egg crate grille can move more than 40% more air than a stamped face grille at the same velocity. So, which are you using? Are you giving your homeowners the airflow that they need to be comfortable without putting extra stress on the equipment?

Sigler Wholesale Distributors has increased inventory of high-performance Shoemaker grilles and registers. Check out pages 18 and 19 of the Supply and Installation Accessory Reference Guide for Shoemaker's 945 and 950 adjustable blade supply registers, 620FG and 600 egg crate return grilles and the 905 blade return grille.



For more than four decades, Fantech has been researching, designing and bringing to market "Ventilation Solutions" that ensure better indoor air quality in the buildings where we work and live.

This includes inline fans for bathroom exhaust and dryer booster fans. They also have a full line of indoor air quality equipment such as heat recovery and energy recovery ventilators and whole house HEPA filtration. If you're working on commercial projects, Fantech has larger CFM fans such as inline centrifugal fans, exterior mounted centrifugal fans, multi-port centrifugal fans and air curtains.

Whatever your fan needs, talk to Sigler Wholesale Distributors about Fantech.



## Technical Tips

### Q: What do I do when there is a long lead time for a part?

These days it seems you can bet on it taking longer to get a part. When it comes to heating and air conditioning, a system may need to be operating regardless of part arrival time. With common sense and the right tools, a system can safely be made operational until the part comes in.

Refrigerant leaks are a big offender in no cooling calls. They can take a lot of time to pinpoint, and if you are unlucky enough to have a rare leak in a coil, the replacement can take a substantial amount of time to come from the factory. Instead of leaving the end-user with a hot space and a flat system, fix it.

Common questions are, "will it void the warranty if I temporarily repair the coil?" The answer is no. "How can I get to the leak with all of the fins in the way?" Use a sharp utility knife to remove enough aluminum fins around the affected tube and braze it closed.

Remember, no beauty points are needed to get the space cooled back down while waiting for the replacement. A small number of missing fins around the copper tube repair will not seriously affect the capacity of the system. When done correctly, the refrigerant can even be recovered and reused instead of charging it twice.