

Up To Date

Fall Training

There is one remaining technical training class on the calendar – Fun with Furnaces. Register at SiglerNorCal.com/training.

Fall Sigler Club

Even though it's too late for double points on your initial order, it's not too late to submit a qualifying order for Sigler Club to lock in great pricing on parts and supplies through the end of the year.

Inventory

Sigler Wholesale Distributors will be closed for inventory at 3:00 on the Thursday and all day on the Friday in:

- San Jose – Nov 5-6
- SSF – Nov 11-12
- Concord – Nov 18-19
- Santa Rosa – Dec 2-3

Wall Furnaces

Sigler Wholesale Distributors is stocked up on Williams wall furnaces and Cozy floor furnaces



What's New on *SiglerTV*

**System Design (7 videos)
24V Interface Full Length Class**

Steve Moorhead and Steven Anello operating the video system in Concord for livestream training.

Energy Efficiency Changes for 2023

January 1 of 2023 may seem like a long way off, but there is already a lot of buzz about the coming energy efficiency changes. Beginning in fourteen months, a split system air conditioner must meet the following efficiency standards:

- 1.5T-3.5T = 15.0 SEER, 12.2 EER
- 4.0T-5.0T = 14.5 SEER, 11.7 EER
- 10.2 EER is okay if SEER \geq 16.0

Unfortunately, it isn't that simple. In addition to increasing the minimum efficiency, manufacturers will be required to test systems at more "real world" static pressures. This increases the blower motor power consumption and reduces the system efficiency rating. Consequently, there will be new metrics and nomenclature used with the new ratings. A split system air conditioner must meet the following efficiency standards:

- 1.5T-3.5T: 14.3 SEER₂, 11.7 EER₂
- 4.0T-5.0T = 13.8 SEER₂, 11.2 EER₂
- 9.8 EER₂ is okay if SEER₂ \geq 15.2

All tiers of Carrier products will need to be retested, optimized, and relaunched in accordance with the new test procedure.

A high percentage of products will not meet the new stringent requirements. So, this is a much larger scale project for manufacturers compared to prior minimum efficiency changes.

Because the efficiency standards are based on when the product is installed, not when it was manufactured, the transition must begin in early 2022. In the next several months, we'll see new indoor coil technology with improved heat transfer, lower pressure drops and more even airflow across the coil. We'll also see new welded aluminum outdoor coil technology allowing for greater efficiency in the same footprint. Carrier Corporation has made the necessary investments to be ready for these changes!

Also coming in 2023 are new heat pump standards and nomenclature. The nationwide standard will be 15.0 SEER, 8.8 HSPF or 14.3 SEER₂, 7.5 HSPF₂. Providing a little bit of relief, new regulations that will require a refrigerant with a lower global warming potential and phase-out R410A will likely not go into effect until 2025.

Sigler

Wholesale Distributors

THE PRODUCTS YOU NEED
THE VALUE YOU DESERVE

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Featured Products

Smoke Detectors



Last month, this column emphasized residential smoke detectors from Kidde. What about duct smoke detectors? Sigler Wholesale Distributors is stocked up on a variety of different styles:



The Totaline **P270-3000PL** is 4-wire photoelectric duct smoke detector built into a pivoting housing that fits both square and rectangular footprints. It can accurately detect smoke in air velocity ranging from 100 fpm to 4000 fpm.

The Totaline **P270-D4120W** is a similar smoke detector, but in a watertight cabinet.

The Air Products and Controls **SM-501-P** is a photoelectric smoke detector that is versatile because it works with 230V, 115V, 24VAC or 24VDC.

Airflow is critical. Have you ever compared the performance on a 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. It's 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?

Check out pages 18 and 19 of the new 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. During the month of November, ask for 10% off your first high performance register and grille order. Ask anyone at Sigler Wholesale Distributors for more information including detailed airflow and performance data.

Technical Tips

Q: I have a Code 126 on the Infinity control, and it's not in the book?

Yep, code 126 is a new system activity code that was introduced with version 4.05 User Interface software. It is a twist on the old "active Code 33" we've talked about in previous classes and tech tips.

If you remember, active Code 33 is when the furnace is operating in high stage only due to 2 successive limit trips in low heat or at a capacity less than 71% with modulating furnaces. With version 4.05 software there were some changes to the way a zoning system will operate, and the code 126 is an effort to let the homeowner know something has occurred and should be investigated by a technician.

With the new software, the updated strategy will distribute additional air flow (high heat airflow) caused by two consecutive limit 33 faults. This is done by fully opening dampers for zones that have a heating demand, and distribute any excess airflow to meet the high heat airflow requirement to non-calling zones based on the size of the zone.

When you come upon this condition, power cycle the furnace to clear the Code 126, then begin the process of determining the cause of the limit trips at lower capacity. More information about solving a Code 33 problem is available at www.SiglerTV.com.