

# Degree<sup>o</sup>



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## The New and Improved Condensing Gas Furnace

In our constant efforts to bring you the highest quality, longest lasting products, we are proud to introduce the new CHB1/CDB1 version of our gas condensing furnaces. These units are currently being integrated into the system and will replace the current CHB/CDB series upon depletion of current inventory – this change will be seen in some sizes sooner than others.

The key differences between the two versions are as follow. First, the new version will incorporate a silicon nitride igniter. This is the new White Rodgers “indestructible” Igniter. White Rodgers testing has

provided evidence of igniter longevity in excess of 1-½ million ignition cycles.

The use of this new igniter requires the use of a different ignition module as well. This new module contains “Learning Logic” to control the voltage supplied to the igniter. This control will always seek to light the burners with the lowest voltage, enhancing the longevity of the burners and the furnace as a whole. It will decrease the voltage supply until an ignition attempt fails and will then ramp up the voltage to ensure proper ignition. This is a continuous cycle of learning for the control module, thus a

“Learning Logic Controller.”

The silicon nitride igniter and the new control must be a matched system. The components are not interchangeable with the current silicon *carbide* igniter and/or 50A50-143 control module. The silicon carbide system can be upgraded but *must be done as a system* and not as individual components.

In addition to the igniter and control module change, the CHB1/CDB1-50 and 75 will be 17" wide (2" narrower than the original CHB/CDB-50 and 75). This will, of course, change some of the manufactured parts used in the construction of the furnace.

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## Dealers Agree: Thermo Pride is Tops in Quality

An August 2001, study published by *The Air Conditioning, Heating and Refrigeration NEWS* surveyed 2,000 dealers nationwide on the quality of the industry's heating and cooling products. Over 60% of those familiar with

the Thermo Pride line rated it excellent, a percentage significantly higher than any of the other 45 rated brands.

This recognition from the contracting community is one in which we take great pride. We appreciate your

constant support of our products and pledge to continue producing the most durable, highest quality line of heating and cooling equipment – equipment you can be proud to represent.

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## A New Look

New Thermo Pride premiums, ad slicks and literature will soon be available to you. These new items have been developed as part of our constant efforts to assist our dealers in the promotion of our product lines. The new merchandise is available now and ad slicks and literature will be available in the upcoming months.

A catalog of Thermo Pride's new premiums will soon be available through your sales representative. New jackets, sweaters, golf shirts, hats and pens are just a few of the items available for purchase. Small premiums such as pens and mugs are great "freebie" items for tradeshow or promotions and larger premiums such as shirts and jackets serve as great incentives for your service and salesmen. Co-op credit can be issued (up to 50% of the cost) for these items in accordance with the Thermo Pride co-op guidelines.



In early 2002, you will begin to notice a more family look to our literature. The Gas Furnace line will be the first to be completed and will be followed by the A/C and Oil lines later in the year. To simplify things, each product line (gas, oil, and A/C) will have one piece of literature encompassing all models and product specifications will be printed directly on the literature.

Finally, our ad slicks have also been recreated to help you promote Thermo Pride products in the consumer marketplace. The new slicks are included in the upcoming 2002 Co-op and Promotions Guide and cover eight important Thermo Pride products and/or benefits.

For more information on any of these new items, contact your Thermo Pride Salesperson or the Customer Service Department.

## TECH

### I P S

1. The Two-Stage Condensing Gas Furnace I & O Manual lists the ten diagnostic flash-pause sequences of the LED light on the 50V61-143 control. What are they?
2. The I & O manual for the Thermo Pride Oil Fired Furnace states the temperature rise for this unit should be 70°F. What are the consequences of a slightly higher temperature rise? Lower rise?

Answers to this edition's questions are found at [thermopride.com](http://thermopride.com).

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### Answers to June 2001 Tech Tip Questions

The answers to June 2001 Tech Tip Questions are:

**1. The 12 SEER Air Conditioner I & O Manual lists five possible causes for outdoor fan motor kick off on overload: List as many as you can. (Page 17)**

1. Loose wire connections
2. Excessive amp draw
3. Bad motor bearings
4. Excessively dirty coil causing restricted air flow
5. Excessively hot air being pulled into unit

**2. To assist in preventing liquid floodback, flood starts, and refrigerant migration during off-cycle, if you are going to be operating the system below 65°F, Thermo Pride specifies you must add what four items to aid in longevity and durability of the compressor? (Page 14)**

1. There should be a crankcase heater installed on compressor
2. A low ambient control (45 contact) added to the 24 volt control circuit
3. Suction line accumulator
4. Confirm compressor superheat

## Glenn Pottberg Rejoins Thermo Pride Team

In August Glenn Pottberg returned as Thermo Pride's National Sales and Marketing Manager. A member of the Thermo Pride team from 1997-2000, it is a pleasure to welcome him back to the position.

Glenn has held various positions within the Sales and Marketing divisions of the Burnham Corporation including Mid-Atlantic Regional Manager and Director of Sales and Marketing for Residential Products. Through his 28+ years with Burnham he has acquired an extensive knowledge and understanding of the industry.



Originally from the Bronx, New York, Glenn now lives in Lancaster, Pennsylvania. He can be reached by telephone at 717-239-7645 or by email at [gpottberg@thermopride.com](mailto:gpottberg@thermopride.com).

## Online Store - Open All Hours

Much of what goes on in the heating and cooling business does not occur between the hours of 8 and 5. Because of this, Thermo Pride has developed our online ordering system. This system allows our dealers to place an order when it's most convenient, whether that be during or after regular business hours. And as the heating season is upon you, couldn't you use a little extra time?

With an online account you can do *more* than ordering. Other features include the ability to look at stocking information for equipment and parts, check the status of orders placed, view both open and closed invoices, and even check on equipment delivery dates. Ordering online is easy. Just visit the Thermo Pride website and click on *Online Store* to set up an account.

Once you have established an account, step-by-step instructions are sent to you, which makes accessing information easy. And, when you submit an order online, confirmation is sent to your email account, making record keeping a breeze.

Give yourself the extra freedom...talk to your sales representative or visit [www.thermopride.com](http://www.thermopride.com) to set up an online account today.



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These items are the key functional differences that you will notice with the model change. The changes were made as product improvements (not repairs or cost savings) as we constantly look to further enhance the durability and quality of our products.

### Correction:

On the ThermoPack Oil literature, the filter size listed is incorrect. The listed size is 20 x 20 x 1. The correct size is 20 x 25 x 1. We apologize for any confusion this may have caused. We will be correcting the information the next time this literature is printed. Until corrected literature becomes available, please be aware of this error and order the correct size replacement filters (20 x 25 x 1) for this unit.

# Seasons Greetings



*Seasons Greetings from Thermo Pride  
Thank You for your Business*



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