

# ABSOLUTAIR, INC.

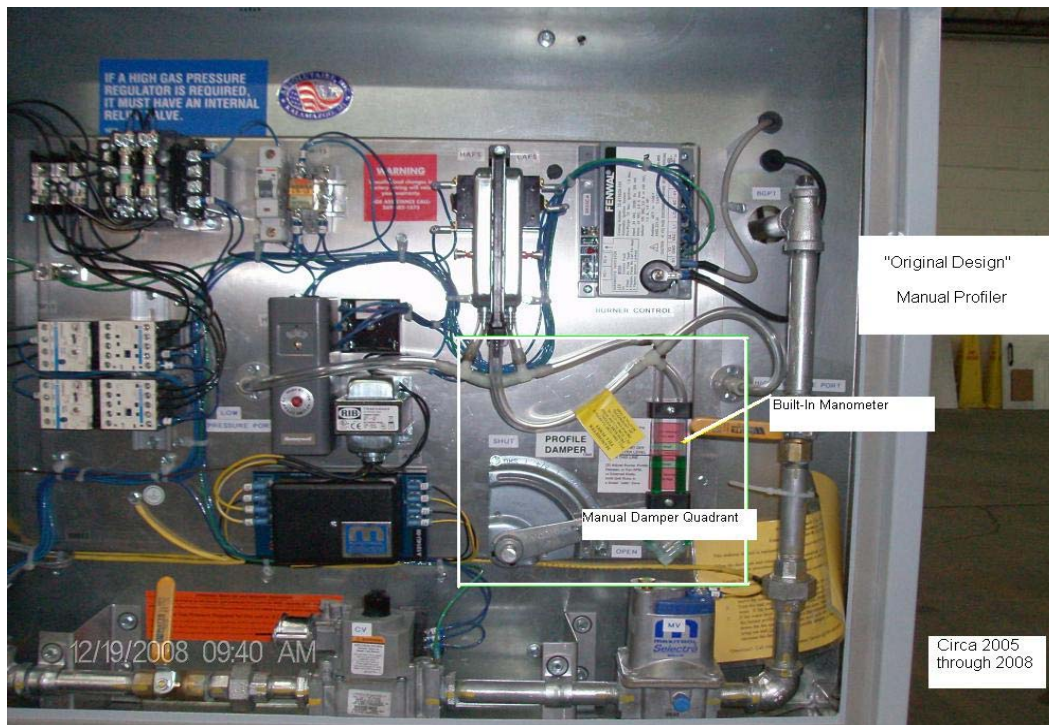
## IMPORTANT PRODUCT IMPROVEMENT ANNOUNCEMENT!

Effective January 12, 2009

All V-Series and 100% OA AA1700 through AA4 model units

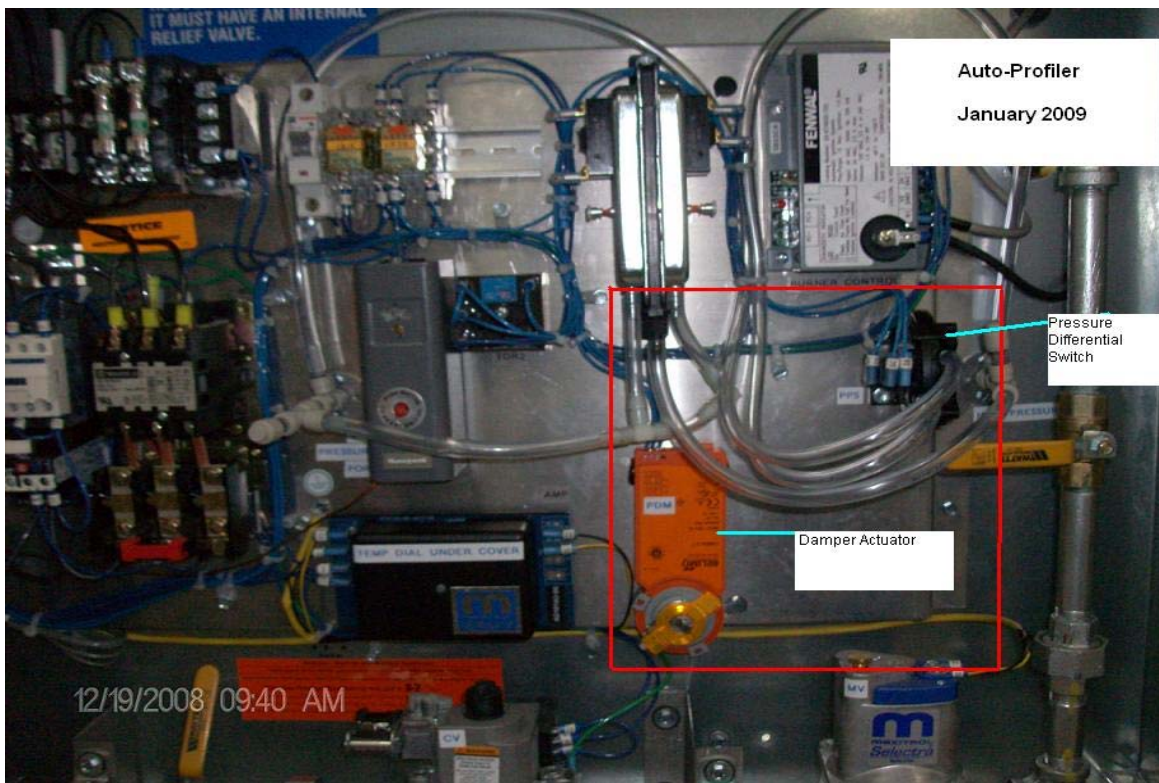
From 2005 through 2008, we provided a manually adjustable profile damper and manometer on the above MUA models. This included a quadrant handle that could be adjusted and locked into position while the unit was in operation. Although this manual system worked fine, it did not allow for either filter loading or other field static change conditions.

The old **manual profile damper system** looked like this:



Our new *Auto-Profiler* System includes a Dwyer pressure differential switch and a Belimo Damper Actuator, which *automatically* adjusts the burner profile damper in reaction to field static conditions (within reason).

The **Auto Profiler System** looks like this:



We have also increased the size of the profile damper and profile opening, which allows for more flexibility. This means that if a unit is built and tested at  $.0375''$  external static pressure, and the field conditions are different (i.e.  $.0625''$  esp), the Auto-Profiler will automatically adjust the profile damper in response to the actual field conditions. The same is true as filters load, that is, the Auto-Profiler damper compensates for the filter loading - although there will be a point at which the filters will still need to be changed. Included with this change will be pressure taps in the tubing circuit to allow for easy field installation of a manometer if desired for testing.

**Old V2 Burner Profile**



**New V2 Burner Profile**



This *Auto Profiler* technology is standard on all 100% OA V-Series and AA1700 through AA4 models. It is available at an added cost on 100% OA AA5 through AA8 Models and all R-Series 100% OA Models.

**Cost Savings:** When the *Auto Profiler System* is included and the unit has a VFD included, there is no need to add the cost of the VFD Profile Damper.

**NOTE:** When the *Auto Profiler* is not included, a built-in manometer is provided as standard, but the adjustable profile damper with quadrant handle is not.

Below is the “Sequence of Operation” verbiage, which describes the function of the Auto-Profiler in detail:

*When the supply contactor is pulled in, the 2-minute profile timer is energized, allowing the high air flow switch to be bypassed, and the profile damper motor to modulate to a 0.65”WC (fixed) set point, sensed by the profile pressure switch. Once the 2-minute profile timer completes its timing, the profile damper motor will maintain its position and will only modulate closed, to maintain set point. The Auto-Profiler will recalibrate every time the unit is powered of and then back on.*

If you have any questions, direct them to [sales@absolutaire.com](mailto:sales@absolutaire.com).