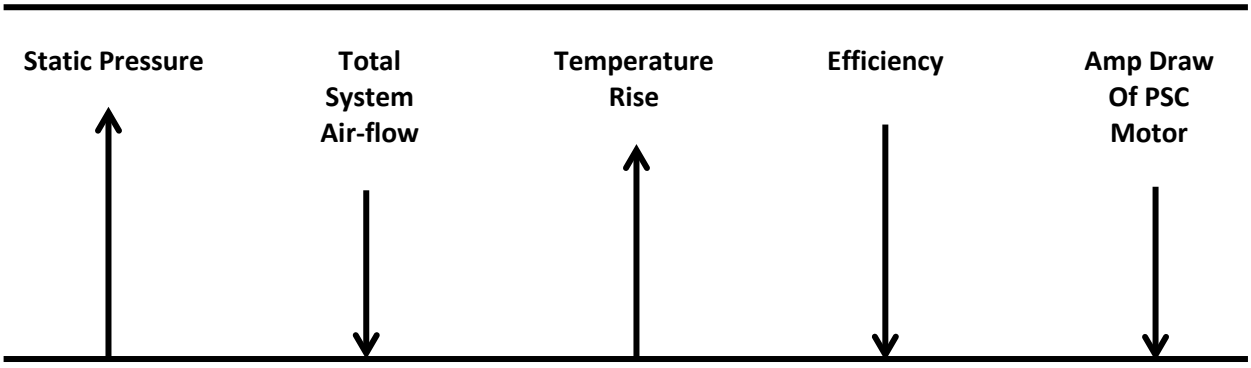
Can Duct Sealing Have Negative Effects?



Who is checking to make sure the furnace is still operating properly after duct sealing has been done?
Temperature rise must be checked to make sure you still have proper air flow.

Why is it important to make sure that the primary high-temperature limit control is fully operational?
If duct sealing causes the unit to cycle on the limit switch – it must be functional to avoid a potential hazard

Describe "cycling on the limit switch."
The blower will operate continuously. If there is not enough air being moved, the unit will overheat and the burner will cycle on the high temperature limit control.

Adequacy of the Duct System – Visual Inspection (General guide)

- Draft hood
  - 2 square inches of duct for each 1000 Btu input
- Mid-efficiency – 80%
  - 2.5 square inches of duct for each 1000 Btu input
- Condensing – 90%
  - 3 square inches of duct for each 1000 Btu input
- Required for both sides of the system – supply and return
- The capacity of your duct system may be affected by its smallest component(s)

Three "Areas" That Should Be Investigated if the Temperature Rise is Out of Range

Air	**Gas**	**Electric**
This includes anything having to do with air flow – dirty blower, filter, coils, duct size, restrictions, carpet, etc.	Firing rate – clock the meter and check the manifold pressure.	If all else is ok – adjust blower speed.

Why is it important to do these in this order? To fix what must be fixed first. You don't want someone increasing blower speed to compensate for another problem – a dirty a/c coil, for example.