



ASC Engineered Solutions
Greencastle, Pa.

Scope:
Installation of new Cambridge
Make-Up Air Unit

Project Spotlight

Cambridge Make-Up Air Unit Installation at ASC Engineered Solutions

Greencastle, PA

James CRAFT & Son was contracted by ASC Engineered Solutions Greencastle, formerly Beck Manufacturing, to replace their older air rotation heating system with something new.

Through discussions with this long-time customer, it was determined that a negative air pressure problem existed in their plant, so a survey of the amount of exhaust air was done to determine how much air was needed to equalize the building pressure.

Our team determined that a normal heating unit would not supply enough air and recommended the installation of a Cambridge gas fired make-up air unit. The unit is designed to run year-round, heating the air when necessary.

Building pressure is monitored by sensors which ultimately govern a variable frequency drive that controls the supply air fan to operate slower or faster, depending upon the amount of filtered air needed.

As a space-saving benefit to the owner, the new unit was installed outside on the ground next to the building, and supply air was ducted into the building. This freed up valuable floor space in the plant for a new manufacturing line.

Another, even bigger benefit is the energy efficiency of the Cambridge unit, which will lower their building heating costs while simultaneously solving the building's negative air pressure problem. Every aspect of the project was coordinated with ASC personnel, so their production was not interrupted. We are currently in the process of installing two more Cambridge heating units in their Waynesboro, PA facility.



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