

Wintriss Application Note: Controlling Air Blow Off

Do you use air to blow off parts? If so, are you using your SmartPAC ProCamPAC, ProCam 1500, or DiPro1500 PLS to control air consumption?

According to an industry expert, Bill Blyth of SMC Pneumatics, "Air blow includes all operations where air is directed from a nozzle or open tube and can be the most costly and uncontrolled compressed air process. However Blyth says wastage, excess consumption and the inefficiency of the compressed air processes, in a lot of cases, doesn't filter through to the decision makers. In other words, the people who work with the air on the factory floor in general aren't the one's that sign the power bill."

You can use a Wintriss programmable limit switch (PLS) channel to control your air blow off in conjunction with a two way solenoid valve. This will allow you to turn the air blow off on and time it off. This method uses air precisely when it's needed instead of staying on for a complete stroke. Furthermore, if the press is idled for any reason the air will not continue to blow.

A side benefit associated with this method is a potential reduction in sound pressure levels.

Wintriss PLS outputs can be configured for AC or DC loads. Typically a solenoid valve with a 115 vac coil is used.

For more information on Wintriss products, [click here](#).