

## In-line pre-set regulator for air blow guns and pneumatic tools.



Do your workers block or tape up the vent holes on their blow guns? Do those blow guns even have safety vent holes, or have workers tampered with their air guns by removing vented end pieces? Would your facility's safety air guns pass an OSHA inspection today? **Protect-Air's CartReg®** is an inexpensive and safe alternative to OSHA fines and worker injuries.

Environmental Health and Safety managers know that safety air gun users frequently circumvent safety features on their blow guns in order to get more air from the blow guns. Taping up air vents, covering them during use, and removing end pieces of safety air guns is a violation of OSHA safety rules and creates a dangerous condition. Users understandably want their blow guns to clean their workstations as quickly and powerfully as possible with a full burst of compressed air. Often workers are motivated to increase the output of their blow guns.

### **Know your Risks...**

Compressed air is not just ordinary air. Compressed air is a concentrated stream of air at high pressure and high speed that can cause serious injury to the operator and the people around them.

Playing with compressed air can be fatal. In one case of an innocent attempt to frighten someone by suddenly blowing behind his back, the person was so surprised that he fell forward and was seriously injured on the moving parts of a machine. A misdirected jet of compressed air to the head can cause serious eye injuries or rupture the eardrum. Aiming the compressed air into the mouth can damage the lungs and esophagus. Careless use of compressed air to blow away dirt or dust from the body, even with a protective layer of clothes, could allow the air to enter the body, which can damage the internal organs.

The most serious damage that can be caused by compressed air occurs when air is blown in under the skin, for example via an open wound. It can lead to an air embolism, in which air bubbles are pressed into the veins and transported along the bloodstream. When the air bubble reaches the heart it causes symptoms similar to those of a heart attack. When the air bubble reaches the brain, it can cause a stroke. This type of injury can be directly fatal. Since compressed air usually contains small amounts of oil or dirt, severe infections can also occur if the compressed air enters the body.

### **...and How to Fix**

**Protect-Air's CartReg®** is a pre-set miniature, tamper proof, regulator that is installed in the compressed air supply line. It is designed to meet OSHA (Occupational Safety & Health administration, USA) and other safety agency requirements for 2 bar/30psig maximum pressure for pneumatic air guns. (OSHA 1926.302(b)4) The CartReg™ can easily be threaded into any ¼" air blow gun and pneumatic tool, and can take a maximum inlet pressure of 12 bar/174psig.

Part Number to order is 233S1230.