

# **Direct Air Distributing**

## **Model DAD-1001**

### **Tire Air Inflator Freewheel Unloader Valve**

**Direct Air answers the need for a reliable and cost effective method to control air flow from air compressors used in the Tire Air Inflation Industry.**

**The New DAD-1001 Freewheel Unloader Valve eliminates the need for costly check valves, pressure relief valves or electronic controls. It is a simple and reliable self contained unit that solves the problem of relieving excess air pressure and volume when the compressor is running and building unwanted pressure in the air hose or when the customer is moving from one tire to the next.**

**The DAD-1001 Freewheel Unloader Valve is installed on the outlet side of the air compressor between the compressor and the air hose.**

**In normal operation, the DAD-1001 will allow the compressor to fill the air hose to 120 PSI and then the DAD-1001 will “cut-out” or “Unload” the compressor and divert all additional air volume and pressure back to the atmosphere. While the compressor is unloaded, this “Freewheel” action reduces backpressure on the compressor eliminating heat and reducing amp draw on the compressor.**

**When the tire chuck is pressed on the tire valve, the pressure flows through the hose and begins to fill the tire. As the hose pressure drops to 90 PSI, the DAD-1001 will “cut-in” and divert the air from the compressor to flow through the hose and continue to fill the tire.**

**When the tire chuck is released from the tire the hose is repressurized to 120 PSI, the valve will “cut-out” and again diverts air flow back to the atmosphere and the whole process starts over again.**

**Call Direct Air at 1-800-540-8207 for additional information and pricing on the DAD-1001.**