

# **Direct Air Distributing**

## **Model DAD-3000 Series**

### **Tire Air Inflator**

### **Freewheel Unloader Valves**

**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-3000 Series Freewheel Unloader Valves eliminate the need for costly check valves, pressure relief valves or electronic controls. They are a simple and reliable self contained units that solve the problem of relieving excess air pressure and volume when the compressor is running and building unwanted pressure in the air hose and when the customer is moving from one tire to the next.**

**The DAD-3000 Series 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-3000 will allow the compressor to fill the air hose to a preset pressure point and then the DAD-3000 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 hose 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 a preset pressure, the DAD-3000 senses the pressure drop and the valve will automatically “cut-in” and divert the air from the compressor to flow through the hose and fill the tire.**

**When the tire chuck is released from the tire the hose is repressurized, 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-3000 series.**