



## Troubleshooting Guide for Compressors

The following diagnostic questions may determine the cause for compressor failure and help to restore proper function of your system.

### **Would compressor come on without using the horns?**

**Yes** – Check for air leak preferably by dunking tank assembly in water. Repair any leaks found (i.e. fitting leaking, hose leak, tank leak, or solenoid leaking at outlet- clean solenoid.)

### **How much air pressure is in the tank?**

Pressure switch should shut off compressor at 135 p.s.i. (+ / - 7 p.s.i.)  
Use a tire gauge to verify the accuracy of gauge on the tank.

### **How long (minutes) does the compressor run before shutting off?**

Run cycle is seven minutes of continuous run time requires the compressor be allowed to cool for a minimum of thirty minutes (depending on ambient temperature), it would be best to allow to cool to the touch.

### **What proximity is the customer to a large body of water or to the coast?**

Over time, high humidity levels affect the performance of the plunger and may accelerate the need to clean the solenoid.

### **What is the voltage and amperage of the compressor (*with vehicle running*)?**

There should be at least 12vdc.  
The amperage should not be higher than 15 - 15.5 amps.

### **If compressor is not running, what is the voltage on both sides of the pressure switch (*with vehicle running*)?**

There should be at least 12vdc.  
The amperage should not be higher than 15 - 15.5 amps.

### **What is the length of the run for the wires and what gauge wire is being used?**

If the size (gauge) of the wire is not adequate for the length of the wire, a drop in voltage may result, affecting the performance of the compressor.

### ***Other considerations – contact Hadley for assistance:***

How often are the horns used?

Is the system being used to fill up tires?