

GENERAL AIR PRODUCTS, INC.

Trouble Shooting Guide

Symptom	Possible Cause(s)	Corrective Action
Motor hums and runs slowly or not at all	<ol style="list-style-type: none"> 1. Low voltage or no voltage 2. Shorted or open motor winding 3. Defective check valve 4. Defective pressure switch – contacts will not close 	<ol style="list-style-type: none"> 1. Check voltage during attempt to start. Voltage must be within +/-10% of nominal voltage to start motor. Increase wire size if necessary to lower voltage drop. 2. Replace motor 3. Replace check valve 4. Repair or replace pressure switch
Reset mechanism cuts out repeatedly or fuses blow repeatedly	<ol style="list-style-type: none"> 1. Insufficient voltage to motor 2. Pressure switch set too high 3. Wrong fuse size 4. Piping too restrictive 5. Defective motor 	<ol style="list-style-type: none"> 1. Check voltage during attempt to start. Voltage must be within +/-10% of nominal voltage to start motor. Increase wire size if necessary to lower voltage drop. 2. Consult factory, adjust or replace 3. Be sure fuses and heaters are rated properly 4. Add receiver vessel or increase pipe volume after compressor. 5. Replace motor
Unit short cycles repeatedly	<ol style="list-style-type: none"> 1. Piping too restrictive 2. Leak in line before system check valve 	<ol style="list-style-type: none"> 1. Add receiver vessel or increase pipe volume after compressor. 2. Repair leaks(s)
Compressor Overheating	<ol style="list-style-type: none"> 1. Dirty intake filter 2. Wrong motor rotation 3. Air flow to fan on flywheel blocked 	<ol style="list-style-type: none"> 1. Clean intake filter 2. Correct rotation 3. Clear air flow to fan or relocate unit
Excessive noise in operation	<ol style="list-style-type: none"> 1. Damaged bearings 2. Worn piston rings or skirts 3. Broken valves 4. Loose blower wheel 5. Damaged Blower baffle 	<ol style="list-style-type: none"> 1. Contact General Air Products, Inc. Service Department. 1-(800)345-8207
System pressure builds slowly	<ol style="list-style-type: none"> 1. Compressor sized incorrectly 2. Leaks or restrictions in piping 3. Dirty intake filter 4. Blown head gasket 	<ol style="list-style-type: none"> 1. Check system size and compressor sizing 2. Correct leaks and remove restrictions 3. Clean intake filter 4. Replace head gasket

For Assistance Please Call 1-800 345-8207
Please keep these instructions for future reference.