**Purpose**
To provide a portable means of supplying compressed air to devices which do not require a large volume of air, such as nebulizers, atomizers, and syringes. The compressor displaces clean, oil-free air at 12 lpm. It can be operated at 20 psi continuously or at 30 psi intermittently at a minimum of 110 VAC.

**Installation**
Lower access door to expose the air outlet connector. The compressor is set up for use with slip-on hose connectors. Attach the tubing to the unit by sliding the tubing over the connector.

**Maintenance**
The air filter (14) should be changed whenever it turns completely gray in color.
Remove the filter cap (15) by pulling outward. To remove the filter from the holder, pull out with fingers. Push the new filter in place and push the cap back into the front of the Pulmo-Aide.

**CAUTION**—Do not use cotton or any other material as a filter, nor attempt to wash or clean filter. It may cause damage to the compressor.

**DANGER**—Electric shock hazard. Always disconnect the unit from the power source before servicing.

**Service**
**To replace head, valve plate, and/or diaphragm:**
1. Remove the six T20 torx screws from the rear cabinet.
2. Lay unit face down and lift the rear cabinet off of the unit.
3. Only disconnect the tubing (10) from the compressor fittings if you are going to replace the head assembly.
4. Remove the four T5 torx screws from the head. Using a flat-bladed screwdriver, pry in between the head and motor to loosen the head from the diaphragm.
5. Lift the head (6) from the motor.
6. Remove diaphragm screw (5) from the connecting rod retainer plate for diaphragm replacement.
7. Remove the valve plate retainer screw (5) from the head for valve plate replacement.
8. Reverse the procedure to re-assemble the unit.

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>10.1&quot; W x 10.5&quot; H x 6.5&quot; D (26 cm x 27 cm x 17 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.0 lbs (3.2 kg)</td>
</tr>
<tr>
<td>Sound Level</td>
<td>51 dBA</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>1.3 amps, 115 VAC 60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>90 watts maximum</td>
</tr>
<tr>
<td>Maximum Compressor Pressure</td>
<td>30-45 psig*</td>
</tr>
<tr>
<td>Maximum Compressor Liter Flow</td>
<td>9.4 -16 lpm*</td>
</tr>
<tr>
<td>Nebulizer Operating Pressure</td>
<td>12-18 psig</td>
</tr>
<tr>
<td>Nebulizer Liter Flow</td>
<td>5-7 lpm</td>
</tr>
<tr>
<td>Nebulizer Capacity</td>
<td>10 ml (cc)</td>
</tr>
<tr>
<td>Nebulizer Nebulization Rate</td>
<td>0.15 ml/minute or greater</td>
</tr>
<tr>
<td>MMAD</td>
<td>Less than 5 microns</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-year limited warranty on compressor parts</td>
</tr>
</tbody>
</table>

*Conditions may vary based on altitude above sea level, barometric pressure changes.*
Important Parts of the Pulmo-Aide

REPLACEMENT PARTS

1. 5650D-606  Compressor/Motor Assembly
2. 5610D-609  Connecting Rod Kit
3. 5610D-614  Diaphragm & Valve Plate Assembly
   Kit (diaphragm) (3 kits)
4. 5610D-617  Connecting Rod Plate
5. 5610D-614  Diaphragm & Valve Plate Assembly
   Kit (screw) (6/pkg)
6. 5650D-613  Head Assembly Kit
7. 5610D-614  Diaphragm & Valve Plate Assembly
   Kit (gasket) (3/pkg)
8. 5610D-614  Diaphragm & Valve Plate Assembly
   Kit (valve plate) (3/pkg)
9. 5650D-604*  Rear Cover Assembly
10. 5650D-615  7" Vinyl Tubing (6/pkg)
11. 5650D-610  Line Cord Assembly (2-prong cord)
    5650H-610  Line Cord Assembly (3-prong cord)
12. 5650D-614  Power Switch
13. 5650D-609  Push-In Feet (4/pkg)
14. 5650D-602  Long-Life Air Inlet Filter (5/pkg)
    5650D-601  Long-Life Air Inlet Filter (25/pkg)
15. 5650D-612  Filter Cap
16. 5650D-603*  Front Cover Assembly
17. 5650D-605*  Storage Compartment Door
    Assembly
18. 5650D-611  Tubing Connector w/Pal Nut (6/pkg)

*MODEL 5650C

5650C-604  Rear Cover Assembly
5650C-603  Front Cover Assembly
5650C-605  Storage Compartment Door
            Assembly
Troubleshooting

<table>
<thead>
<tr>
<th>SYMPTOMS</th>
<th>POSSIBLE CAUSES</th>
<th>REMEDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced air output.</td>
<td>1. Dirty air inlet filter.</td>
<td>1. Replace filter.</td>
</tr>
<tr>
<td></td>
<td>2. Worn diaphragm or valve plate.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Air leak.</td>
<td></td>
</tr>
<tr>
<td>Compressor labors when air device is not being used.</td>
<td>1. Occluded nebulizer or tubing.</td>
<td>1. Install some means of venting excess air when device is not in use or use P/N 656 pressure regulator.</td>
</tr>
</tbody>
</table>

Pulmo-Aide Five-Year Limited Warranty on Compressor Parts

DeVilbiss Model 5650D & 5650C compressors are warranted to be free from defective workmanship and material for a period of five years from date of purchase. Any defective part(s) will be repaired or replaced at DeVilbiss' option if the unit has not been tampered with or used improperly during that period. Make certain that any malfunction is not due to inadequate cleaning or failure to follow instructions. If repair is necessary, contact your DeVilbiss provider or DeVilbiss Service Department for instructions: U.S.A. 814-443-4881, Canada 905-660-2459. **NOTE**—This warranty does not cover providing a loaner compressor, compensating for cost incurred in rental while said unit is under repair, or cost for labor incurred in repairing or replacing defective part(s).

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This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.