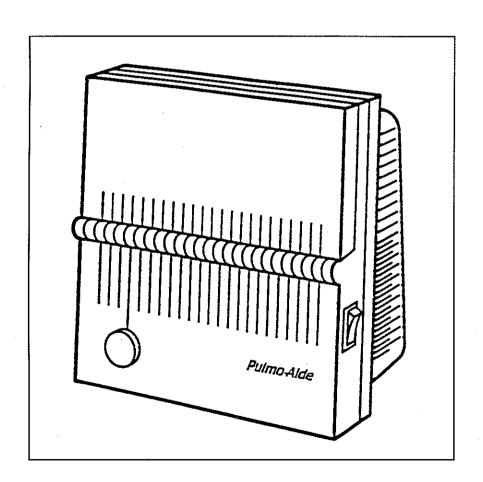
DeVilbiss Pulmo-Aide Compressor/Nebulizer Service Manual

Models 5650D & 5650C



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 <u>not</u> 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.
- Remove the four T5 torx screws from the head. Using a flat-bladed screwdriver, pry

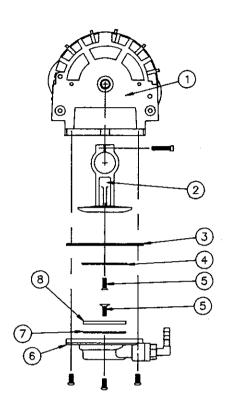
- in between the head and motor to loosen the head from the diaphragm.
- 5. Lift the head (6) from the motor.
- 6. Remove diaphragm screw (5) from the connecting rod retainer plate for diaphragm replacement.
- 7. Remove the valve plate retainer screw (5) from the head for valve plate replacement.
- 8. Reverse the procedure to re-assemble the unit.

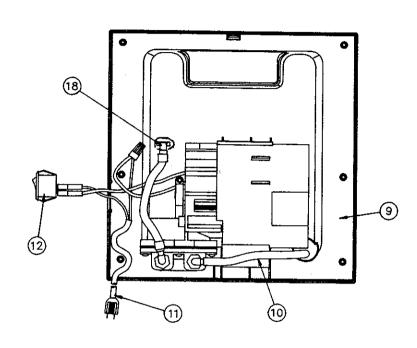
Specifications

Size 10.1" W x 10.5" H x 6.5" D
(26 cm x 27 cm x 17 cm)
Weight
Sound Level
Electrical Requirements
Power Consumption
Maximum Compressor Pressure
Maximum Compressor Liter Flow
Nebulizer Operating Pressure
Nebulizer Liter Flow
Nebulizer Capacity
Nebulizer Nebulization Rate
MMAD Less than 5 microns
Warranty
compressor parts

^{*}Conditions may vary based on altitude above sea level, barometric pressure changes.

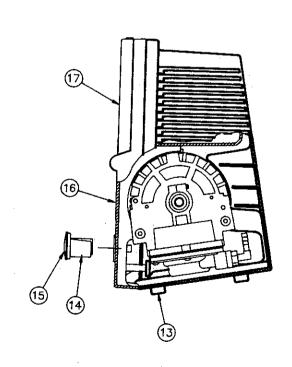
Important Parts of the Pulmo-Aide





REPLACEMENT PARTS

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1.	5650D-606	Compressor/Motor Assembly				
2.	5610D-609 5610D-614	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				
	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)				
1 4 .	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 Ćonnector w/Pal Nut (6/pkg)				
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* MODEL 5650C

5650C-604	
5650C-603	
5650C-605	

Rear Cover Assembly Front Cover Assembly Storage Compartment Door Assembly

Troubleshooting

SYMPTOMS	POSSIBLE CAUSES	REMEDIES
A. Reduced air output.	 Dirty air inlet filter. Worn diaphragm or valve plate. Air leak. 	 Replace filter. Replace diaphragm or valve plate. Tighten hose connections and tighten head screws.
B. Compressor labors when air device is not being used.	Occluded nebulizer or tubing.	1. Install some means of venting excess air when device is not in use or use P/N 656 pressure regulator.

Pulmo-Aide Five-Year Limited Warranty on Compessor 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).

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THE EXPRESS LIMITED WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. THIS IS THE EXCLUSIVE REMEDY AND LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE LIMITATION OR EXCLUSION OF CONSEQUENTIAL OR INCIDENTAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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



DeVilbiss Health Care, Inc. P.O. Box 635 Somerset, Pennsylvania 15501-0635 U.S.A. (814) 443-4881

Sunrise Medical Canada 237 Romina Drive, Unit 3 Concord, Ontario L4K 4V3 CANADA (905) 660-2459

Authorized De	eVilbiss Provider:	
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