

Fluidotherapy Distributor Replacement

The most common failure of the fluidization in the bed is a clogged distributor, replacement is needed if the fluidization is weak, or the heat is not being regulated properly. Following these instructions should yield a properly functioning unit capable if being calibrated accurately.

1. Verify that the motors (Part # HMOT001 - \$90.25) are functioning correctly and are not too old, normal age limit on motors under normal to heavy use is 1-2 years. Replace if necessary. Also check for air leaks around the motors and around the base of the unit. If air leaks are present, seal and retest the unit for heat and fluidization. If no leaks go to step 2:
2. Remove top bezel and Velcro mounted sleeve.
3. Scoop out medium with appropriate size container and store for reuse or dispose of if new medium is to be used (Part # HMED001 - \$45.00)
4. Vacuum out the rest of the medium that cannot be scooped out.
5. Remove 5 pieces of wood molding by removing screws and set aside for reassembly.
6. Lift out grid (screen) and tilt back in order to cut the ground wire(s) connections, these screens will fit out of the hole at an angle and slightly bend to remove. Cut wire(s) as close to the screen as possible and re-terminate with proper lugs as to reattach to screen upon reassembly, you will be using a 8-32 screw and nut to reattach ground.
7. Drill out rivets on screen and straighten screen as necessary. Set a side for reassembly.
8. Vacuum out the rest of the medium in bed and be careful not to damage the thermistors as they are non-replaceable/non-obtainable.
9. The wood "1x2" braces need to be removed. They are siliconed in place and difficult to remove. Use a sharpened putty knife and a couple of large flat head screwdrivers to cut and pry the boards off, be careful not to break them as they are to be used for reassembly. New pieces of wood can be used if they do get broken. Take out each piece and clean the silicone from them. And use a razor blade to scrape the silicone from the inner sides of the bed, careful not to pry too hard against the wall of the bed and the wood as not to break the fiberglass hull.
10. Careful cutting the silicone around the wires to the thermistors, cut around them and slightly pry against the wall to move the wood out of the way, you can leave this piece in the bed while working in the bed.
11. Cut the silicone around the next grate (screen) and lift it out of the bed, these screens will fit out of the hole at an angle and slightly bend to remove.
12. The old distributor will be black and VERY dirty; Carbon dust is what clogs the distributor. Scrape and wire brush the screen clean and straighten as necessary, lift out the bottom screen and vacuum the heater chamber clean.
13. Clean off the rest of the inner hull of silicone and vacuum

Reassembly

14. Straighten and lay bottom screen in unit.
15. Lay down new char foam distributor (part # HFOA001 - \$ 65.00) (must cut to size)
16. Lay down next screen on top of distributor. Careful not to rip the foam when installing screen.
17. Fit pieces of wood in place and one by one re-silicone to sides of unit. Have braces and weights ready to hold boards down and in place. The thermistor wood piece can be used as a cross brace.
18. Let silicone dry
19. After silicone dries and wood is firm and in place re-silicone all gaps and open areas around wood and put a bead of silicone around the grate (screen) against the wood.
20. Let silicone dry.
21. Install thermistors and last screen and fasten to wood with molding and screws
22. Turn on unit and check for massive leaks, if there are any leaks around the distributor or in the bed. Start all over again.
23. Add medium and run unit to check fluidization.
24. Calibrate heat and test.

See assembly chart.

See calibration guide.

Fluidotherapy Distributor replacement Illustration

