RDS 3110 –Troubleshooting Guide

Required 1st Step

L-Connector and Reservoir Check

(SYMPTOM: The unit and/or APA is not dispersing fluid/creating fog)

1) Locate and Unscrew the L-Connector.

2) Inspect the L-Connector for damage and/or cracks, if damaged replace L-Connector.

Good

Damaged

3) Place line without L-Connector in small cup of water and run system to verify fluid is dispersing. (If unit was not previously dispersing fluid and now is, 99% of the time the issue is the Reservoir or L-Connector)

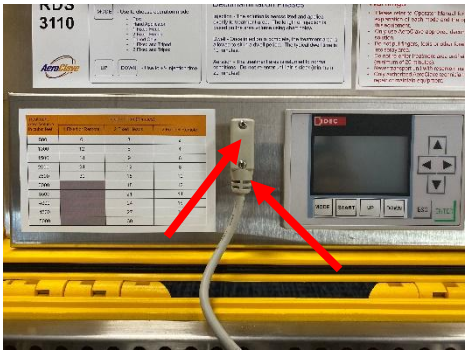
4) Unscrew Reservoir cap and check internal fluid line for damage of cracks, if damaged replace reservoir.

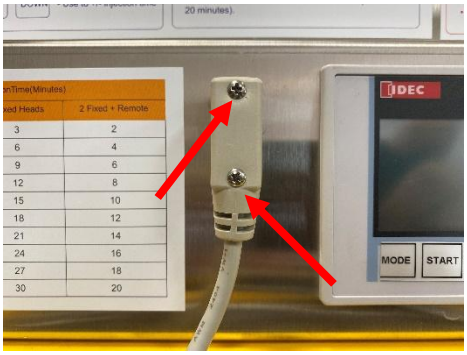
Removal Steps 1-4 will apply to all interior trouble shooting

Removal Steps

1) Locate and remove the 4 outer stainless-steel Philips screws

2) Locate and remove the 2 screws holding the computer cable which runs from the unit base to the user screen in the lid.





3) Unplug the computer cable

4) Grip the stainless-steel heads on the right side of the unit interior. Grab the grate of the left side of the unit interior and carefully life the system out of the yellow case. Gently place the system on a flat, clean, stable surface.

Reassembly Steps

1) Reassemble the unit using the reverse of initial steps 1-4

2) Run the unit to verify that functionality is restored.

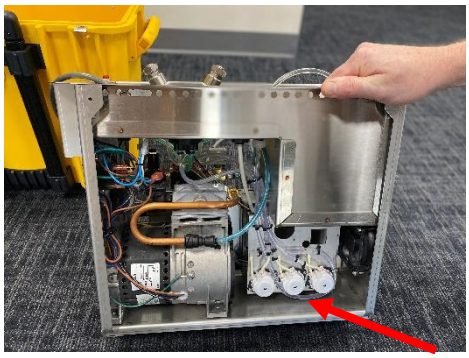
3) If the problem is not resolved, please call your representative

Pump and Filter Check

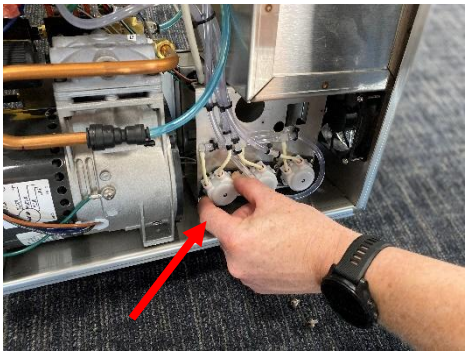
(SYMPTOM: The unit appears to be running normally but is only blowing air from heads)

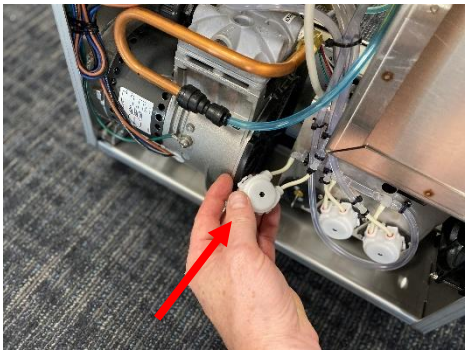
If no pump issues please skip to Step 6

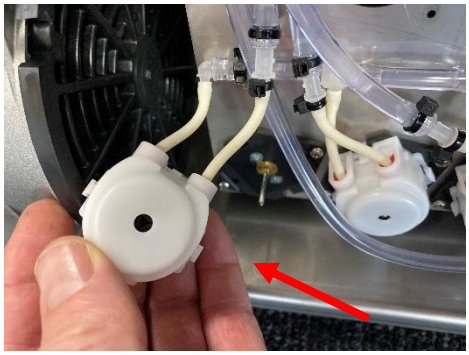
1) Locate the pump impellers at the bottom right of the unit. These are the 3 white plastic disc shaped objects



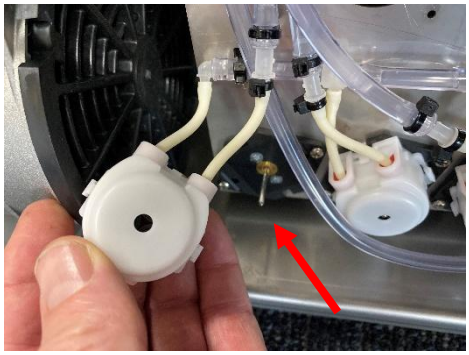
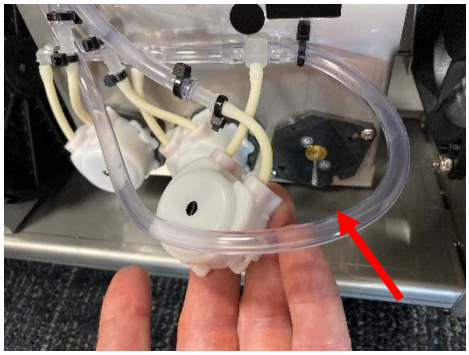
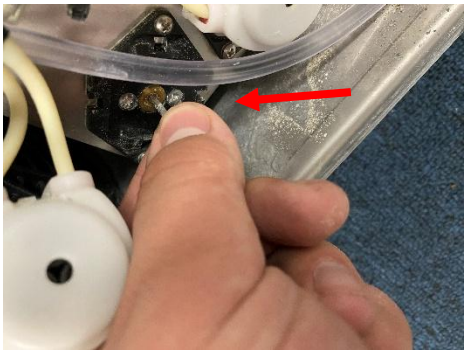
2) Depress the 2 finger tabs located on the side of the impellers. Gently pull the impeller off the spindle which extends into the impeller.





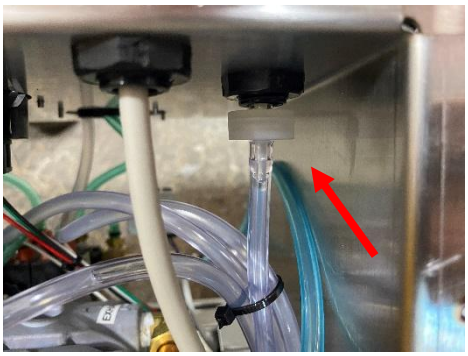
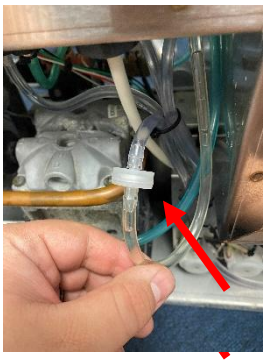
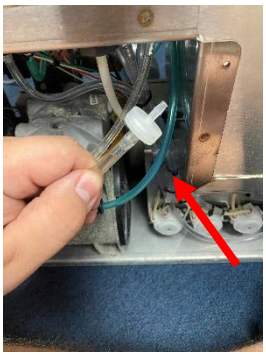


3) Using your thumb and forefinger, turn the spindle 20 turns to the left and 20 turns to the right. The impeller should turn freely. If significant resistance is present, note which pump is presenting the problem.

4) Repeat the steps for all 3 pumps.

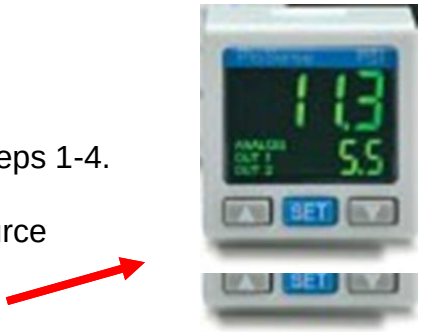
5) The issue could also be a clogged filter. Visually inspect the filter by using a flashlight and/or removing the filter. If any debris is present, temporarily bypass the filter or poke a hole in the filter element to temporarily allow fluid to pass. Order a replacement filter from your representative.

Pressure Sensor Adjustment*

(SYMPTOM: System regularly displays "Low Pressure" error when using 3 heads)

** Some configurations do not include pressure sensors*



1) Follow Removal Procedure steps 1-4.

2) Connect the unit to power source

3) Locate the pressure switch

4) The number to the lower right should read 20.0. If yes, proceed to step 5. If the number reads 25.0, press the SET button once. 20.0 should now appear.

5) When 20.0 appears, press the down arrow button multiple times until the sensor screen shows 15.0

6) Unplug unit from power source

7) Follow Reassembly Steps

Nozzle Cleaning Procedure

(SYMPTOM: Fog plume from head(s), ADP or APA is weak/inconsistent)

While several issues can contribute to a weak fog plume including a pump issue, there may be residue build-up in the head(s). Clean the mounted and APA heads as follows:

1) Carefully remove head using a wrench or pliers turning counter clockwise. Remove the red O-ring and white plastic washer located on the nozzle base. *Do not lose the O-ring or washer!*

2) Using two sets of wrenches or pliers, carefully disassemble the nozzle by holding the base while twisting the top section of the nozzle counter clockwise.

3) Once disassembled, remove the internal diffuser cap.

4) Soak the 3 nozzle pieces in hot water for 15 minutes. Use a soft brush to make sure any deposits are removed from the surfaces.

5) Reassemble the nozzle in reverse order. Don't forget to reattach the O-ring and washer.

6) **NOTE: DO NOT OVERTIGHTEN ANY OF THESE COMPONENTS!** Light 1/8-1/4 turn is generally sufficient to establish the necessary seal.