

Humidity Generation and Calibration Equipment

THUNDER SCIENTIFIC
CORPORATION THE HUMIDITY SOURCE

Model 2500

Pre-Saturator Flush Out Procedure



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623 WYOMING BLVD. SE



ALBUQUERQUE, NM 87123-3198
WWW.THUNDERSCIENTIFIC.COM



TEL: 505.265.8701
FAX: 505.266.6203

Model 2500 Pre-Saturator Flush Out procedure

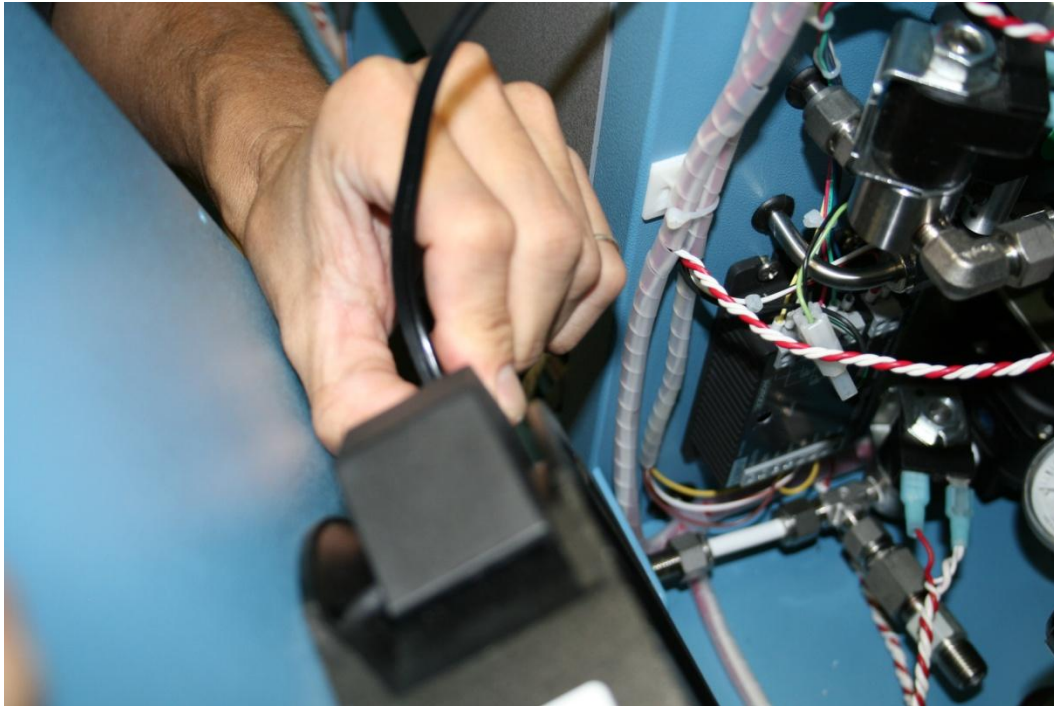
1. Disconnect the main power cable on the rear panel as well as the air in elbow.



2. Remove the right rear panel screws using the Torx drive provided.



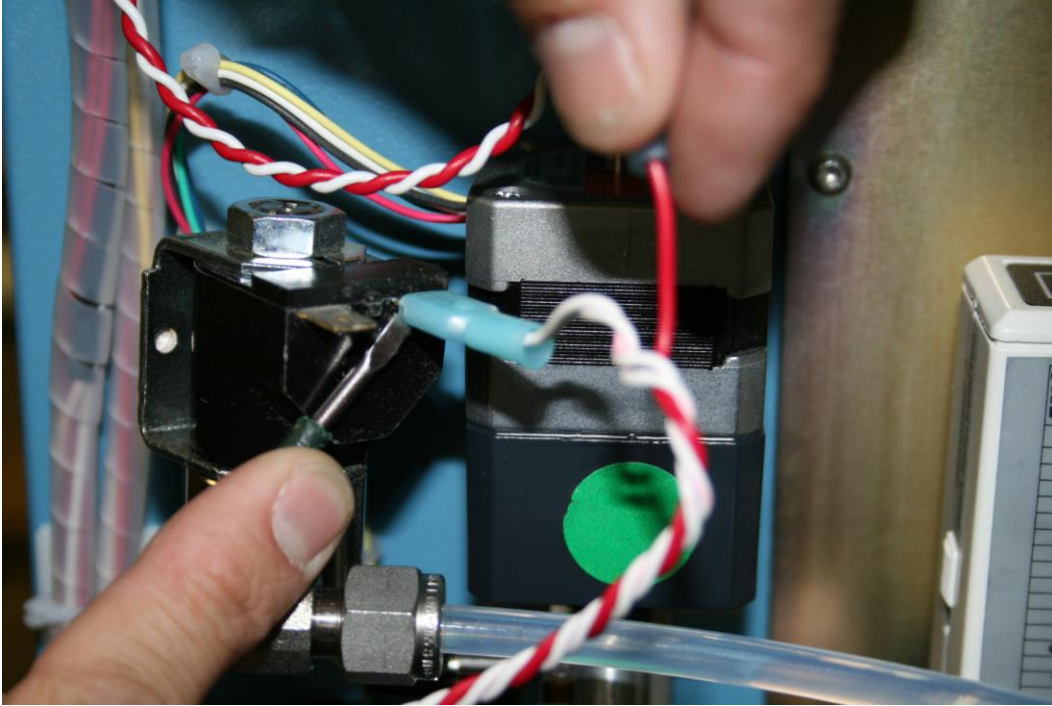
3. Hold the rear panel upright and remove fan power cord.



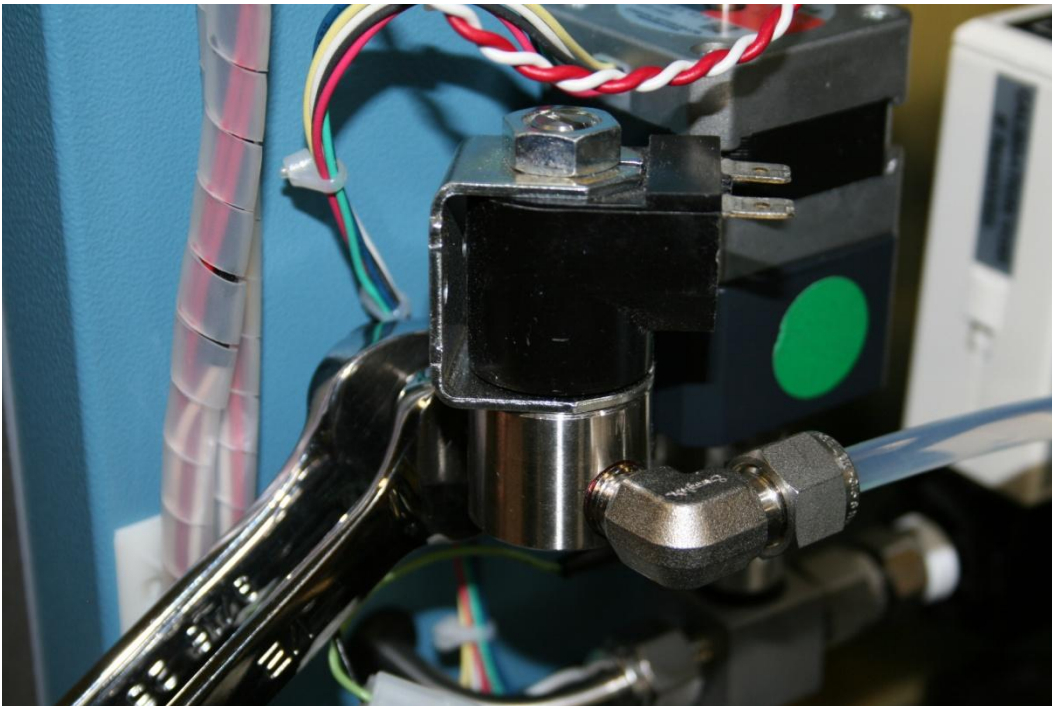
4. Remove the left rear console panel screws using the Torx drive provided.



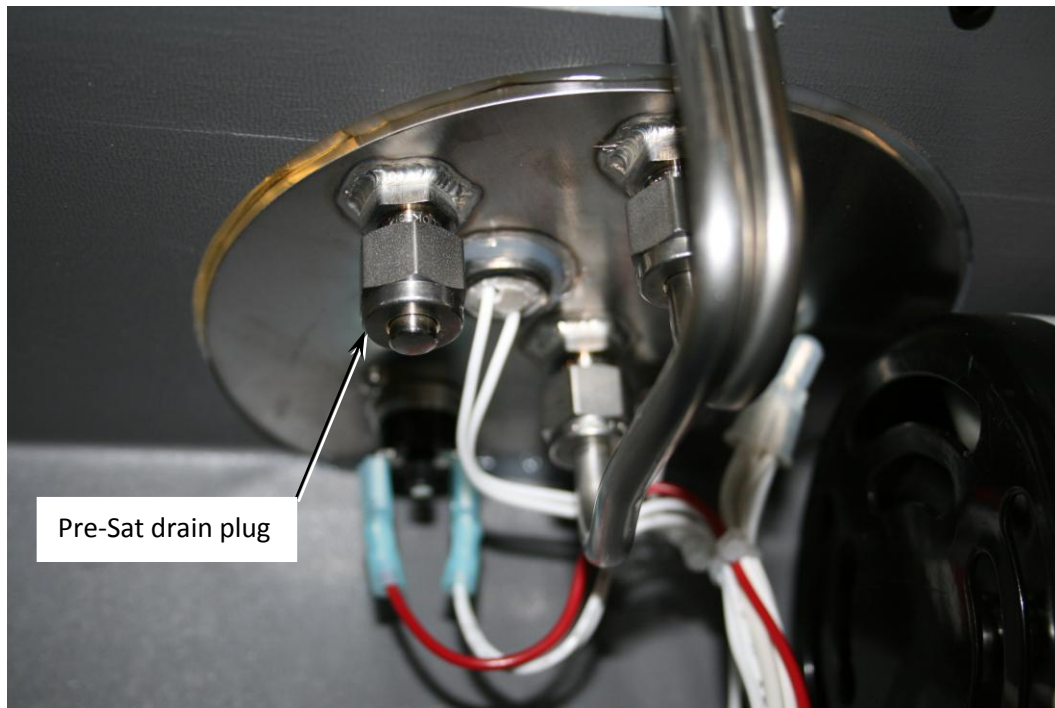
5. Locate the Pre-Sat fill solenoid and remove the two wire connections using a flathead screwdriver.



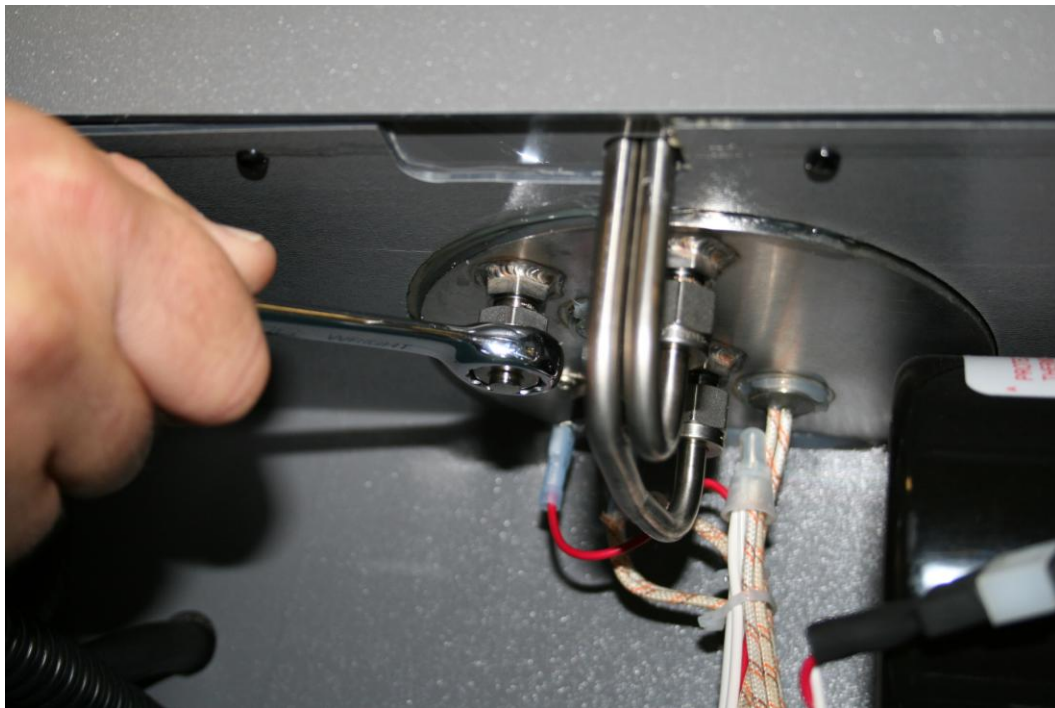
6. Remove the pre-sat fill solenoid using a 9/16 wrench and a 1/2 wrench and move it aside.



7. Find the Pre-Saturator located next to the pump and on the lower side of the plastic panel.



8. Loosen the Pre-Sat drain plug using a 9/16 wrench.



9. Have a 1/4 tube with a 9/16 nut assembly ready.



10. Place the tube in close proximity to the Pre-Sat drain nut and swap out the two.



11. Make sure the tube is tight enough not to leak.



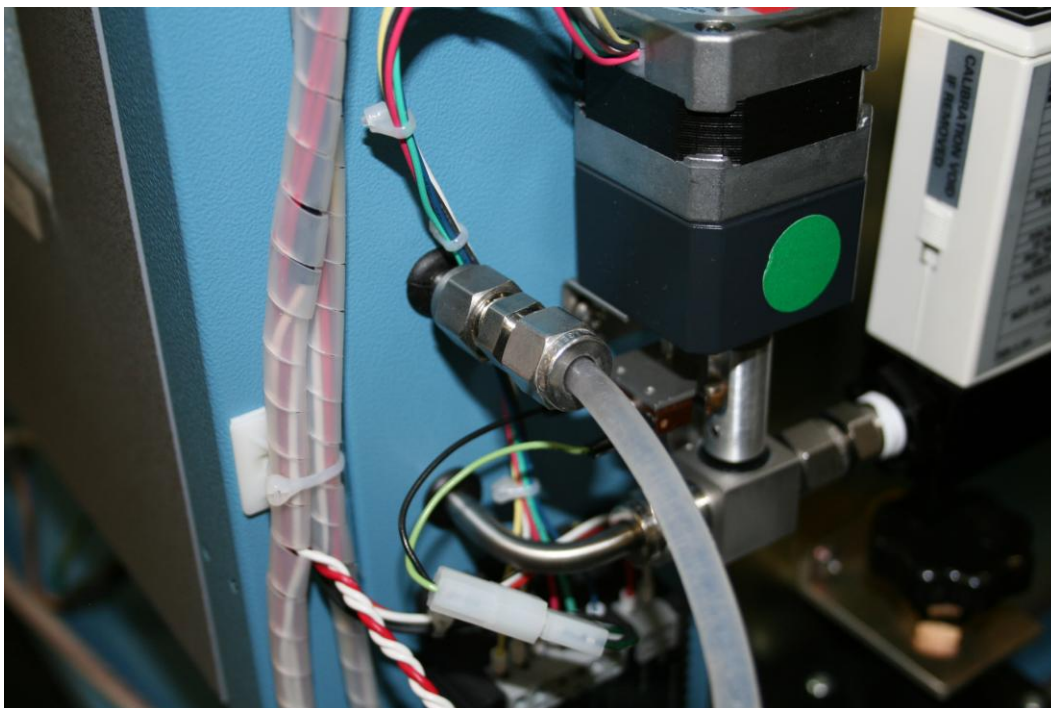
12. Place a one gallon bucket under the tube and let it drain.



13. You may have to use a 1/4 union to connect the tube to the Pre-Sat fill tube.



14. Place a hose with a 1/4 tube fitting on the union.



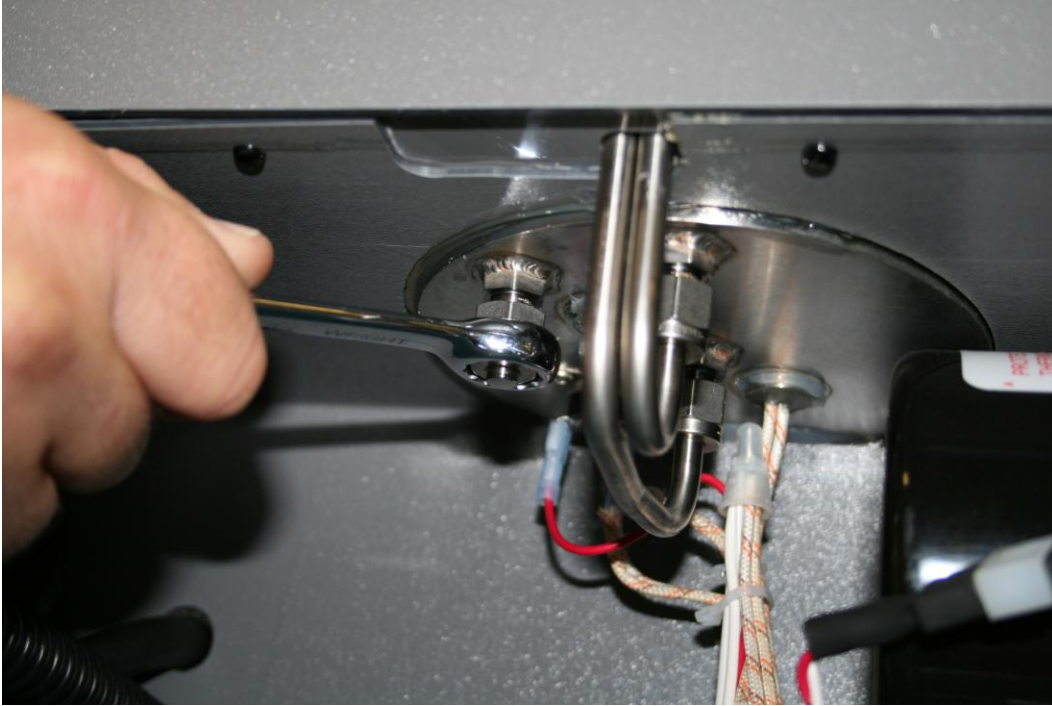
15. Turn on the water hose to begin flushing the Pre-Sat out.



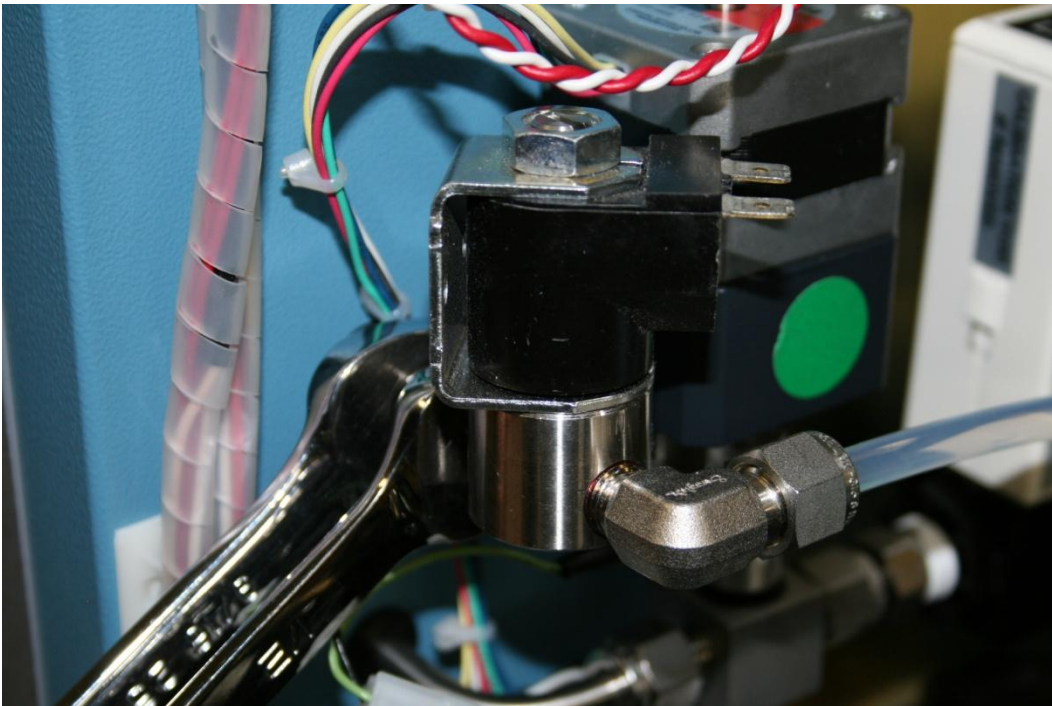
16. Check to see if the water is clear of any foreign matter.



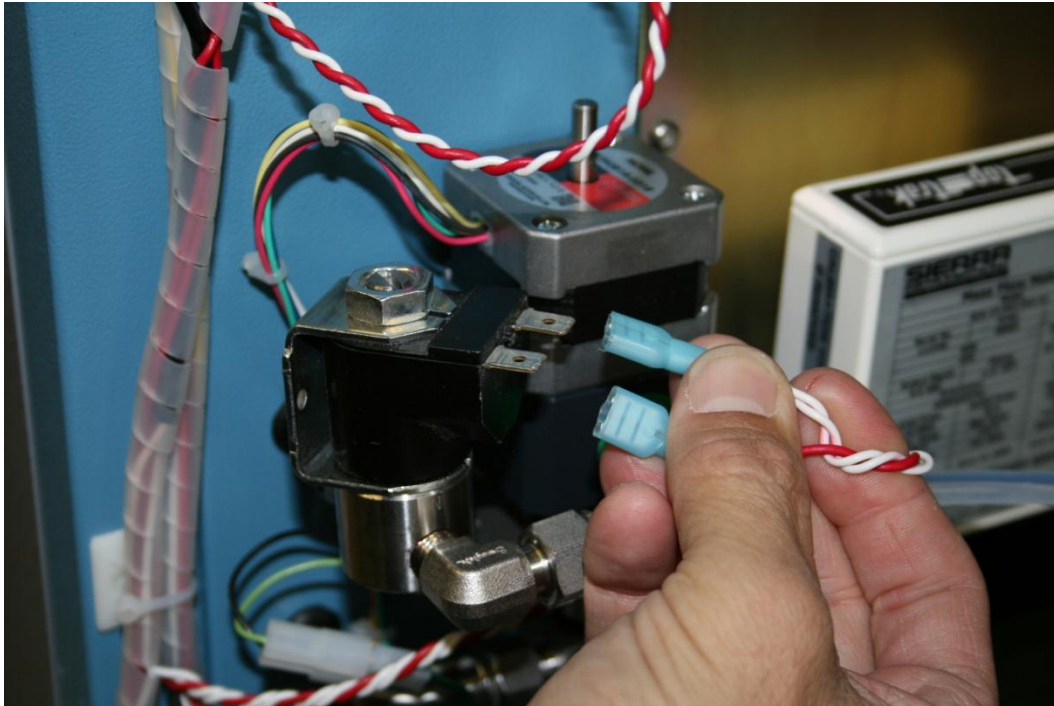
17. Replace the Pre-Sat drain plug when finished flushing the Pre-Sat.



18. Reattach the pre-sat fill solenoid using a 9/16 wrench and a 1/2 wrench making sure that the elbow is level with the frame.



19. Reconnect the wires back to the solenoid.



20. Replace all console panels and make sure to reconnect the fan power plug as well as the air in elbow and the main power cable on the rear panel.

Please Call 1-800-872-7728, Fax 1-505-266-6203, or E-mail support@thunderscientific.com should you have any questions.