

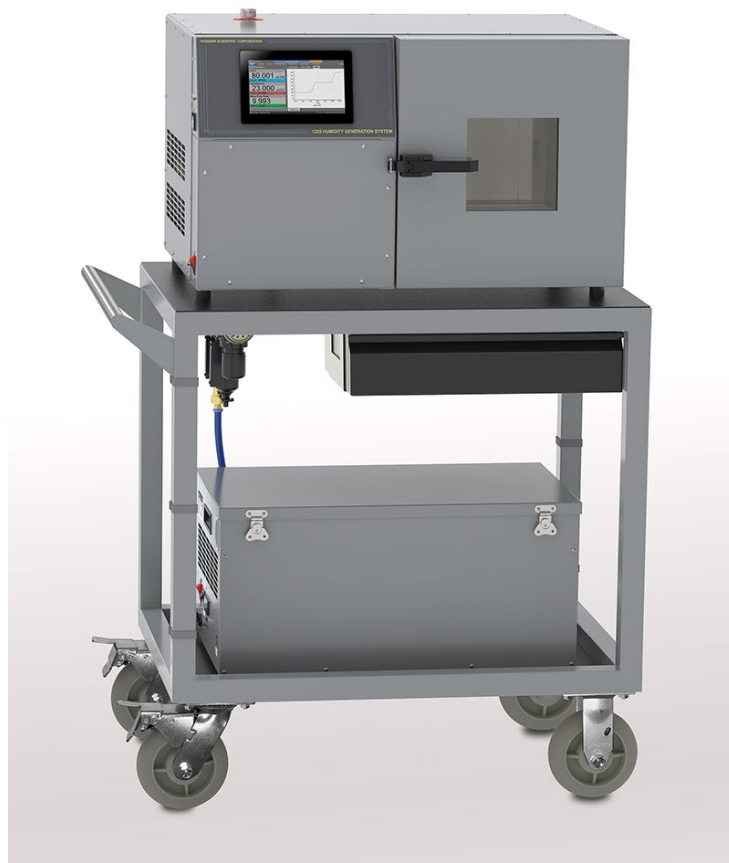
Humidity Generation and Calibration Equipment

THUNDER SCIENTIFIC®

CORPORATION THE HUMIDITY SOURCE

Model 1220

Supply Pressure Regulation Adjustment



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623 WYOMING BLVD. SE



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1220 Supply Pressure Regulation Adjustment

Adjusting the air pressure gauges on the Model 1220 Humidity Generation System.



1. If you have the compatible air compressor system Model ACS1220.



2. Follow these steps before starting the 1220 humidity generator.

3. Locate the On/Off valve handle on the regulator assembly at the rear of the cart and open it (handle inline).



4. Plug in the remote air compressor control cable at both ends, air box and generator.



5. Plug in the AC power cable is connected.



6. Make sure the "Remote/Manual" switch is in the Remote position.



7. Ensure the power switch is in the “On” position.



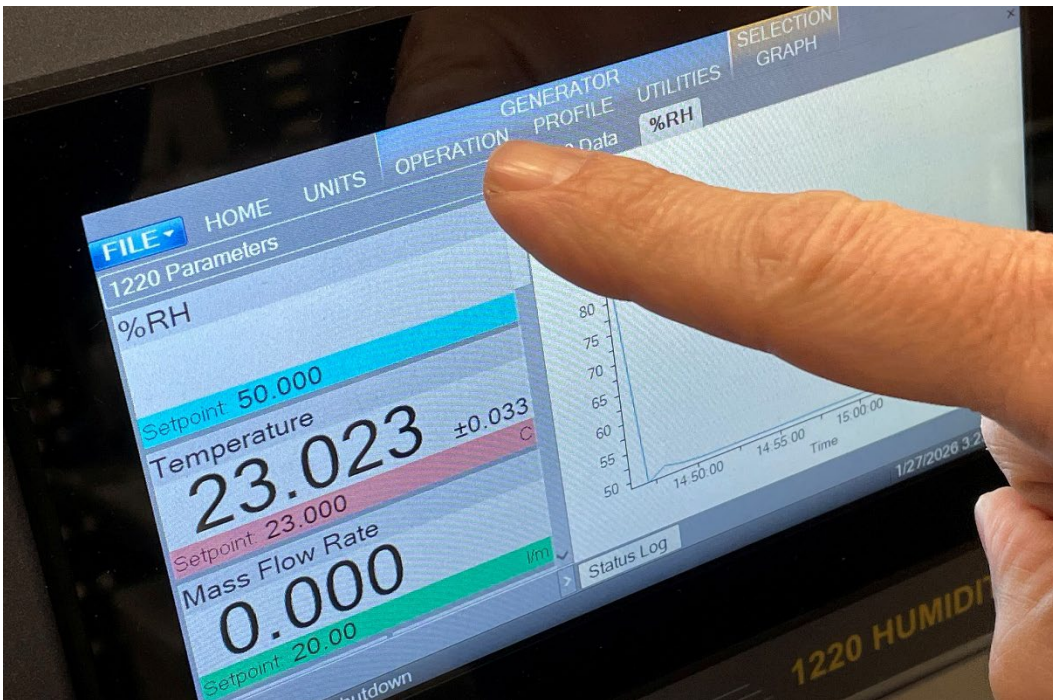
8. Make sure the main power cable is connected to the 1220 generator.



9. Turn on the main power switch.



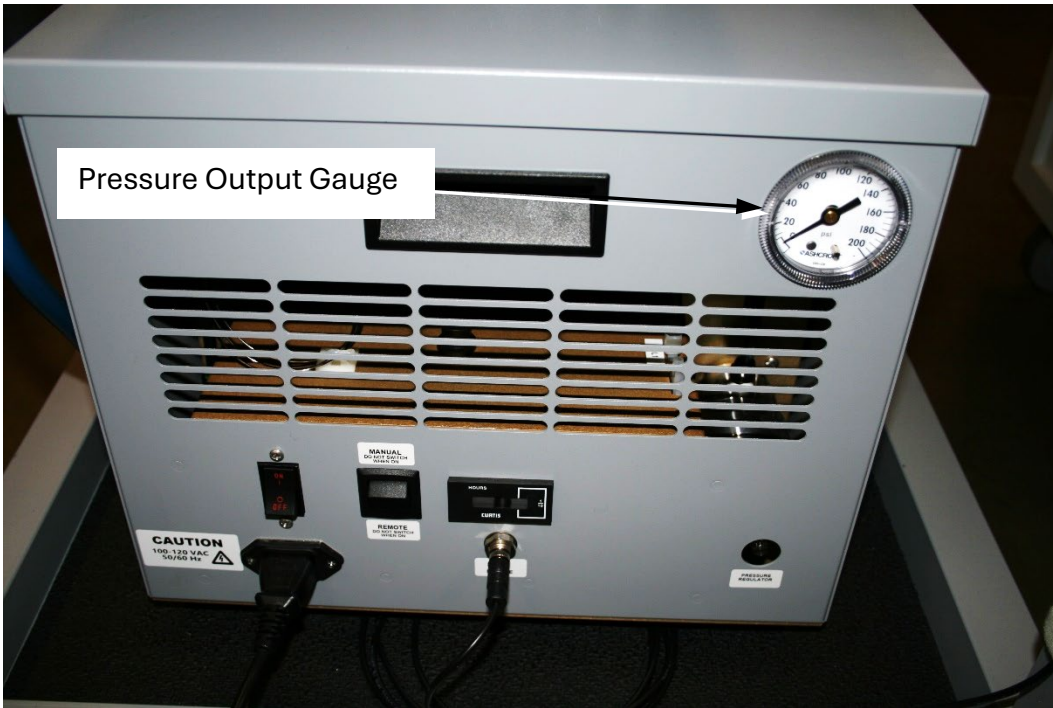
10. After the system boots up; on the Generator Menu touch the Operation Tab.



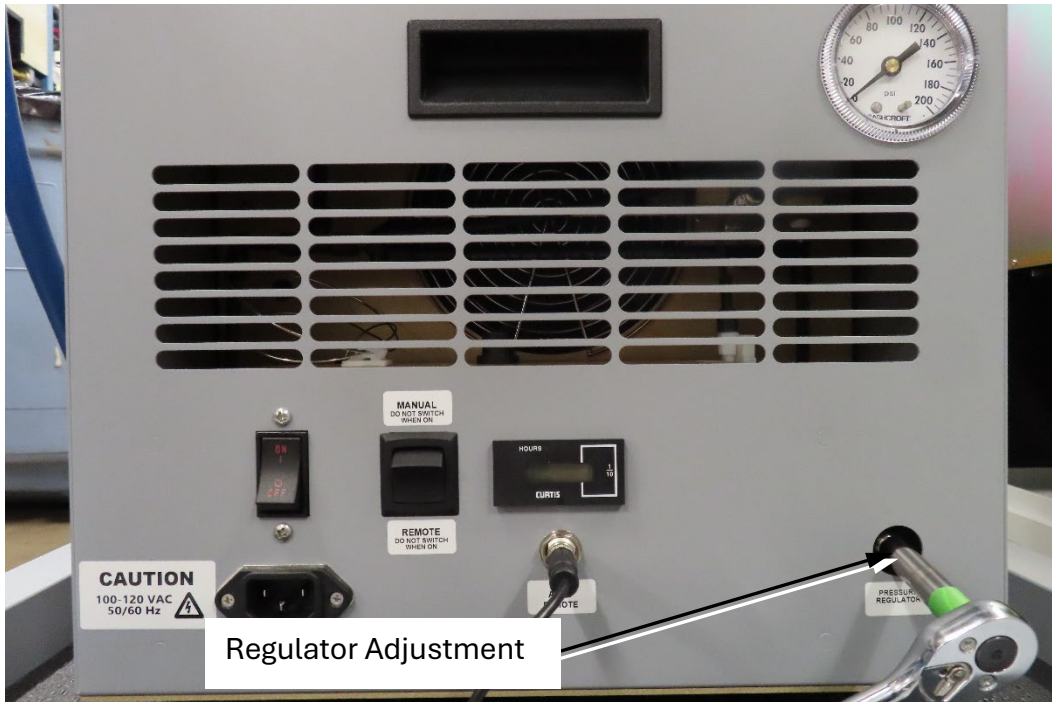
11. Then, push the Generate Arrow to start the system running. The 1220 should be generating at 20 L/min at 20%RH (ambient temperature) NOTE: readjust after 1 hour of operation.



12. The pressure output gauge for the airbox is located on upper right corner.



13. The regulator adjustment is located underneath the pressure output gauge. To adjust, use a 9/32" socket wrench. Adjustment should be set at 155 psi.



14. The pressure output gauge for the air compressor system is located on the 1220 Filter/Regulator Assembly of the 1220 Cart Assembly.



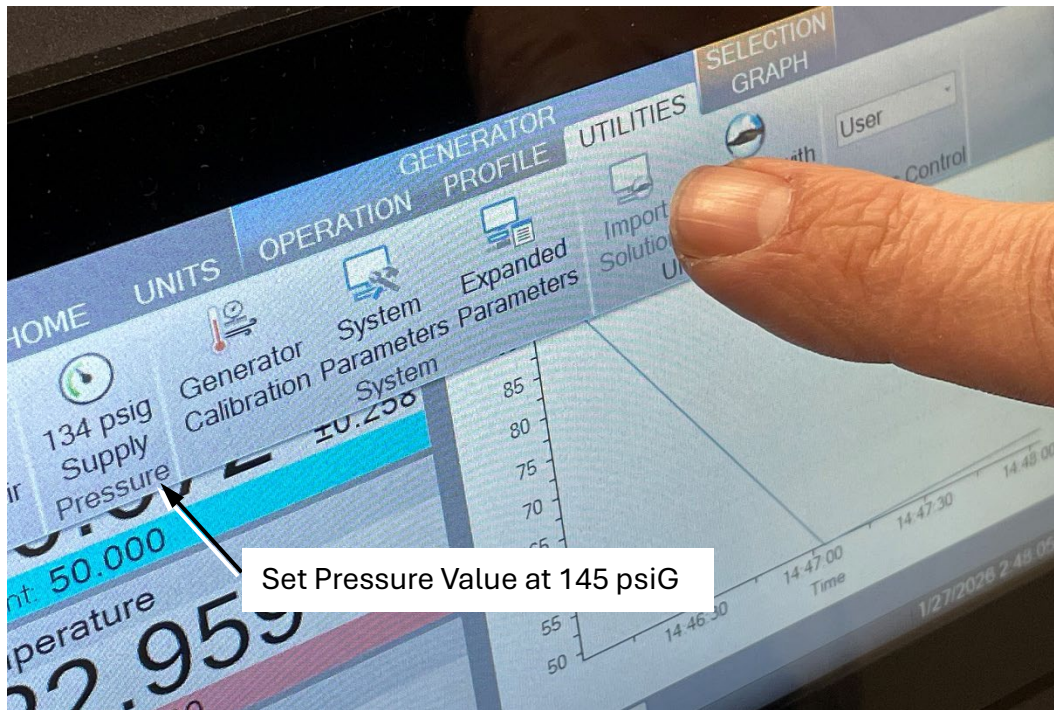
15. The regulator adjustment knob is located underneath the pressure output gauge. To adjust, pull down on the knob to unlock for pressure adjustment. Adjustment should be set at 150 psi.



16. Go to the rear of the system and use a large flathead screwdriver to adjust the 1220 internal pressure gauge/regulator. Adjustment should be set at 145 psi.



17. To check the supply pressure value, go to the Generator Menu touch the Utilities Tab, and look to the left end of the tab to see the pressure value.



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