

## *Model ACS-517B* Pressure Relief Valve Maintenance Procedure



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623 WYOMING BLVD. SE



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## **ACS-517B Pressure Relief Valve Maintenance**

1. Remove any power and air hose connections.



2. Remove the access cover of the air compressor system.



3. First use Snoop solution to see if any air leaks are present. Fix if any.

4. Next see if any water is present in the air lines. Correct if necessary.



5. Locate the pressure relief valve.



6. Remove the fitting inside the drain box using a 9/16" wrench.

7. On the opposite side of the compressor locate the elbow at the filter drain.



8. Remove the retaining clip that leads to the drain box.



9. Pull back on the compression ring that holds the tube.



10. Remove the pressure relief valve and take to work bench and mount in vice.



11. Using a 3/4" wrench, remove the valve section.

12. Use replacement kit number SS-3K-RL3-EP as the maintenance kit.



13. Remove the valve stem.



14. Remove the retainer washer.



15. Remove the bonded disc.



16. Remove the quad seal and O-ring.



17. Clean the inside of the valve body and bonnet using alcohol.



18. Replace the O-ring, quad seal, retainer washer and bonded disc with new ones from kit.

19. Use order shown to reassemble.



20. Tighten the 3/4" bonnet and reinstall into air compressor system.



21. Using a flow and pressure regulator system connected to the air outlet adjust to 165psiG.



22. Using two 3/4" wrenches adjust the pressure relief valve as needed to acquire the necessary pressure.



23. The pressure must be between 163-166psiG, optimal setting is 165psiG.



24. Put all components back together and try using it with the 2500 generator system.

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