

Commissioning a Transair Aluminum System

Step 1: Equipment that is not subjected to the pressure test should be either disconnected from the Transair® piping system or isolated. Valves could be used for isolation provided that the valve closure is suitable for the proposed test pressure.

Step 2: Start the compressor(s) and pressurize at 45psi to check the integrity of the Transair® install and that compressor(s) are running correctly.

Step 3: Leave the system at 45 psi for 12 hours.

Step 4: After 12 hours, check the Transair® system for any pressure drop. If more than 10% pressure drop, compared to discharge pressure, has been lost, inspect the system for weeping or leaks at all joints and connections. Restart the test.

Step 5: Increase the compressor(s) discharge pressure to the system designed working pressure and leave the system at that pressure for a period of 4 hours. If more than 10% pressure drop, compared to discharge pressure, has been lost, inspect the system for weeping or leaks at all joints and connects. Restart the test.

Step 6: Increase the compressor(s) discharge pressure to 1.4X the system designed working pressure. Inspect the Transair® piping system for weeping or leakage.

Step 7: Purge the system and pressurize to designed max operating pressure.

Pressure tests are not to exceed max working pressure of Transair (188psi for 6" and 232psi for ½ to 4")

Considerations:

1. If a certification of the Transair® system is required, follow guidelines outlined by ASME B31.1
2. Certificates for manufacturing process quality (i.e. ISO 9001) and product conformity (i.e. CE, Qualicoat, etc.) are available upon request.
3. The Transair® team can also provide BIM (Building Information Modeling) support, system calculations, design consultations, etc.

For support or copies of our certifications, please contact Transair customer service!

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