
Start-Up Procedures: Pneu-Con Blower Package

The following Start-Up Procedures apply during Initial Installation or after Shut-Down periods, or whenever unit is worked on or moved to new location

Important! Proper oil level is crucial to the safe and efficient operation of your Blower.

1. Check to make sure the Blower is properly lubricated. Pneu-Con ships units with full complement of OEM-designated Gear Oil Lubricant. Low oil levels will cause damage to the internals, namely the Gears & Bearings. Too much oil will cause overheating of the lubricant, thus leading to serious damage and/or Blower failure.
2. Confirm Oil Sump Breather(s) are installed in their proper location; if not, leakage will occur.
3. Check the Blower and connected piping to ensure no foreign materials are present. Clean as required.
4. Ensure Inlet, Inlet Filter and connected piping is clear and free of restrictions that could lead to dangerous conditions or subsequent damage to the system.
5. During shipping and handling it is possible the Blower and/or Motor could shift. Check that Blower and Motor remained secure. If necessary, check Shaft & Sheave alignment before energizing unit, as improperly aligned Sheaves can induce excessive overhung loading of Shafts, leading to bearing damage and premature failure. Ensure that the Blower Mounting Feet are not binding/twisted, causing distortion in the housing and rubbing of/internal parts.
6. Check Belt Tension. Proper Belt Tension is essential to efficient and safe operation. Consult applicable addendum for further instructions.
7. Manually turn the unit over to ensure no evidence of internal binding or rubbing of internal parts. As Blowers utilize Special Wear-In Type Seals, initial turning by hand will be more difficult as opposed to a unit that has been in operation for a few hours - turning by hand will get easier over time.
8. Caution: Risk of SEVERE PERSONAL INJURY! Check that Safety Drive Guards are securely in place.
9. Using Motor, “Jog” Blower, while paying close attention to any abnormal noises, check for correct rotation and air flow of the system. Upon cutting of Motor, the Blower should coast

to a stop, if abrupt stopping encountered there may be alignment issues. Review steps above and remedy before continuing.

10. With all of the above concerns in proper order, Re-start the unit and run – WITH BREAKER VALVE OPEN, NO LOAD – for about fifteen minutes. Feel for any “Hot Spots” on the End Plates or noise emitting from unit, which are indications of interference. After unit has cooled, returning to ambient/room temperature, re-check oil level, top-off as required. **DO NOT OVERFILL UNIT.**
11. Upon operation check that Blower is operating within specified/allowable limits.
12. Apply load – WITH BREAKER VALVE CLOSED – closely observe unit over the first hour of operation, checking pressure & discharge air temperature:
13. Blower must operate with the manufacturer’s specified pressure or vacuum rating.
14. Discharge air temperature (when measured at silencer exhaust) should not exceed maximum allowable specifications.
15. After a few hours of operation check belt for proper tension. **DO NOT OVER-TENSION.**
16. Should mechanical problems arise during Installation or Start-Up, immediately notify Pneu-Con. **DO NOT** continue operating unit once a malfunction or out-of-specification condition is discovered, as serious damage or personnel injury could result.
17. Non-Authorized internal repairs to Blower or Package Assembly (unit) will render Warranty VOID.