SpinCoater Air Motor Maintenance

Without proper care you can expect failure of the SpinCoater air motor. Clean dry air along with regular maintenance is required to prolong the life of the motor.

Use of an air regulator to maintain operating pressure is recommended. The SpinCoater should be operated at 90 psig (620kPa/6.2 bar) maximum pressure measured at the tool while tool is running. A minimum of 5/16" I.D. air supply hose is required to operate the motor of HDCBX360-3 and smaller models. A minimum of 1/2" I.D. air supply hose is required to operate the motor of HDCBX360-4 and larger models.

Use of an airline filter (moisture separator) to remove dirt and moisture from air supply line is highly recommended.

Lubrication of the air motor **every three (3) hours** of run time is required to maintain the motors internal parts. **Do not use inline lubricators as this will contaminate the surface to be coated with oil residue expelled from the motor's exhaust.**

The air motor should be lubricated as follows:

ALWAYS USE PROPER OPERATOR SAFETY PROTECTIVE GEAR AND EYE PROTECTION WHEN OPERATING THE TOOL IN PRODUCTION OR WHEN PROVIDING MAINTENANCE.

1. With air and fluid valves shut off to the tool, with air and fluid lines attached, remove tool from pipe or work area to designated maintenance area.
2. **Double check that air supply line valve is closed**, disconnect unpressurized air supply line from rear of the tool.
3. Put 10 drops of Turbine Oil (ISO VG 32) or equivalent such as Mobile DTE32 or Mobile NUTO32 Hydraulic oil into the air inlet at the rear of the tool. **Do not use motor oil or machine oil**.
4. Reconnect the air supply line to the air inlet at rear of tool.
5. Turn on the air supply line valve to operate the air motor of the tool, **do not turn on the fluid valve, only the air supply**. The oil will be forced into the motor lubricating the internal parts and then be expelled from the motor through the exhaust. Run the motor for several minutes to make sure all the oil has been removed from the motor and wipe off any excess oil that may have accumulated on the tool.
6. Tool is now ready for use, return to work area.