

RECIPROCATING COMPRESSOR MAINTENANCE



RECIPROCATING MAINTENANCE SCHEDULE

Daily:

Drain the Receiver- condensation will accumulate in the tank daily, and should be drained at least once a day. This is done to reduce corrosions of the tank from the inside. Always wear protective eye wear when draining the tank.

Check Pump Oil Level- All units have a sight glass the oil level non running units should be no lower than $\frac{1}{2}$ way on the sight glass if it is lower then you need to add oil until it is at least $\frac{1}{2}$ way up the sight glass.

Check unit for any unusual noise or vibrations.



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Weekly:

Clean air filter: this will ensure that no dirt or heavy particulate makes its way into the compressors valve assemblies.

Clean external parts of compressor and electric motor: this helps to ensure proper cooling and prevents rust and corrosion on critical parts.

Check safety Valves: this is don't to ensure they are not stuck in place and operating properly.

Elite Units Check auto tank drain for proper function



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Monthly:

Inspect complete air system for leaks: this is done to make sure the compressor does not get out of its duty cycle due to air leak in the system.

Inspect Oil for Contamination: this is done to ensure that harmful deposits do not build up in the oil.

Check belt tension: this is done to ensure the belt do not fail pre-maturely, tighten them as needed to ensure they do not slip. If belts are loose, tighten per instructions on next page. Failure to tighten can cause pre-mature belt failure.



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Every 3 months:

Change Oil: this is done to ensure that the compressor has proper oil level and that the oil in the machine does not deteriorate past factory specifications.

Inspect Valve assemblies: this is done to prevent premature failure and clean out and carbon that can form in older valves.

***Elite Units.** Clean auto tank drain strainer and check for proper function.

Inspect pressure switch for proper function.

Inspect check valve for proper function and remove any carbon accumulation to prevent premature failure.

***Clean belt guard coolers (if equipped).**

Storage of Compressor:

Before storing the compressor for a prolonged period of time, use a blow gun to clean all debris from compressor. Shut OFF main power and turn OFF disconnect. Drain tank pressure, clean air filter, drain old oil and replace with new oil. Cover the unit to prevent dust and moisture from collecting on the unit.

RECIPROCATING COMPRESSOR

Compressor Knowledge.

Tanks size does not indicate how much air a compressor makes. The only way you determine volume of air is CFM.

All piston compressors should have their oil changed every three months under normal use.

It takes a car an average of 740 running hours to go 30,000 miles (10 oil changes) Under perfect conditions with a maximum of a 50% duty cycle, a piston compressor will run 240hrs in three months of 9-5 Monday-Friday work. That is the equivalent of changing your oil every 9750 miles in a car.

Over time the vibrations in piston compressors can loosen fittings and bolts, the whole compressor needs checked out when the routine maintenance is performed.

All Compressor are pre-set and tested at the factory, contact the factory if you feel like anything needs to be changed.

