



RCP Series Air Compressor Manual



For questions concerning this air compressor,
please call 866-869-3114

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SAFETY GUIDELINES - DEFINITIONS

Safety is a combination of common sense, staying alert and knowing how your compressor works. Read this manual to understand this compressor.



DANGER

means if safety information is not followed someone **will** be seriously injured or killed



WARNING

means if safety information is not followed someone **could** be seriously injured or killed



CAUTION

means if safety information is not followed someone **may** be seriously injured or killed

IMPORTANT SAFETY INSTRUCTIONS

Save these instructions

Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operation instructions before using this compressor.

Before using the air compressor

Things you should know

Air compressors are utilized in a variety of air system applications. Because air compressors and other components (hoses, connectors, air tools, spray guns, etc.) make up a high pressure pumping system, the following safety precautions should be observed at all times.

Only persons familiar with these rules of safe operation should use the air compressor.

1. Read the instruction manual carefully before attempting to assemble, disassemble or operate your system. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Review and understand all safety instructions and operating procedures in this manual.
3. Review the maintenance methods for this compressor (See "Maintaining Your Compressor" section).

Inspect your work area

1. Keep work area clean.
2. Cluttered areas and benches invite accidents. Floors must not be slippery from wax or dust.

Inspect your compressor

1. To reduce the risk of injury from accidental starting, turn switch off and disconnect the power before checking it.
2. If any part is missing, bent or broken in any way, or any electrical part does not work properly, keep the compressor off and disconnected.
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. Do Not use if defect is found.



WARNING

Do not operate compressor if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.



DANGER

This compressor is Not designed for and should not be used in breathing air applications.

When installing or moving the compressor



WARNING

This compressor is extremely top heavy. The compressor must be bolted to the floor with vibration pads before operating to prevent equipment damage, injury or death. **Do Not** tighten bolts completely as this may cause stress to the tank welds. **Chart 1a.**

To reduce the risk of a dangerous environment

1. Keep work area well lit.
2. Operate compressor in a well ventilated area free from flammable liquids and vapors.
3. Operate compressor in a ventilated area so that compressor may be properly cooled and the surrounding air temperature will not be more than 100°F.
4. Never use a compressor in a wet environment.
5. Protect material lines and air lines from damage or puncture. Keep hose and wires away from sharp objects, chemical spills, oil, solvents and wet floors.



WARNING

Do Not secure compressor with toggle bolts into drywall. Drywall sheeting or plaster will not support the weight of the compressor.

Always Shut Off Gas Valve before moving Gas Drive Compressors

Note: Tank Outlet Size: 1/4" NPT for 20 & 26 Gallon Portables, 3/8" NPT for Twin Tank 1/2" 60 Gallon Units, 3/4" NPT for All 80 Gallon and Simplex 120 Gallon Units
1" NPT for All Duplex Compressors

6. A minimum clearance of 18 inches between the compressor and a wall is required because objects could obstruct airflow.
7. The compressor should be located where it can be directly wired to a circuit breaker. The compressor should be wired by a qualified electrician.
8. Never store flammable liquids or gases in the vicinity of an operating compressor.
9. **Do Not** locate the compressor air inlet near steam, paint spray, sandblasting areas or any other source of contamination. The debris could damage the motor and pump.



WARNING

Never use plastic (PVC) pipe for compressed air. Serious injury or death could result.



CAUTION

Never use the shipping skid for mounting the compressor.



NOTICE

This compressor is not intended for outdoor installation.



WARNING

Never install a shut off valve between the compressor pump and tank. Personal injury and/or equipment damage could occur.

Before each use

Inspect your work area

1. Keep work area clean. Cluttered areas and benches invite accidents.
2. The floor must not be slippery from wax or dust.

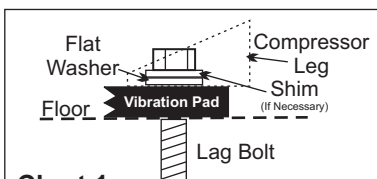


Chart 1a

Inspect your compressor

1. To reduce the risk of injury from accidental starting, turn the switch off and disconnect power.
2. If any part is missing, bent or broken in any way, or any electrical part does not work properly, keep the compressor off and disconnect power. **Do Not** use if defect is found.
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. **Do Not** use if a defect is found.

Follow the safety precautions for electrical connections

1. Follow all local electrical and safety codes, as well as the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).
2. Wiring and fuses should follow electrical codes, current capacity and be properly grounded.
3. Protect wires from contact with sharp objects.



CAUTION

All electrical connections should be made by a qualified electrician.

Plan ahead to protect your eyes, hands, face and ears

Dress for safety

1. Wear safety glasses (meeting ANSI Z87.1 or in Canada CSA Z94.3 99) and use hearing protection when operating the unit. Everyday glasses are not safety glasses.
2. Wear shoes to prevent shock hazards.
3. Tie back long hair.



WARNING

Be careful when touching the exterior of compressor, pump, motor and air lines; they may become hot enough to cause injury.



WARNING

Never operate the compressor without a beltguard. The compressor can start automatically without warning. Personal injury or property damage could occur from contact with moving parts.



CAUTION

The compressor may be hot even if the unit is stopped.



WARNING

Use of a mask or respirator per chemical manufacturers' instructions may be necessary if there is a chance of inhaling toxic fumes. Read mask and respirator instructions carefully. Consult a safety expert if you are not sure about the use of certain masks or respirators.

Pay attention to your hands



WARNING

Keep fingers away from running compressor. Fast moving and hot parts may cause injury and/or burns.

When operating

1. Do not exceed the pressure rating of any component of the system.
2. Release pressure within the system slowly to prevent flying dust and debris.
3. If the equipment starts to abnormally vibrate, STOP the compressor immediately and check for the cause.



WARNING

Never change the safety valve or pressure switch settings. Keep safety valve free from paint and other accumulations. See compressor specification decal for maximum operating pressure. Do not operate with the pressure switch set higher than the maximum operating pressure.

Spraying precautions



WARNING

Never point a spray gun at yourself or any other person or animal. Accidental discharge may result in serious injury.

Reduce the risk of dangerous environment



WARNING

Extreme caution should be taken when spraying flammable liquids as the spark from a motor or pressure switch may cause a fire or explosion. Ample ventilation must be provided.



WARNING

Spray in a well ventilated area to keep fumes from collecting and causing serious injury and fire hazards.

1. **Do Not** spray in the vicinity of open flames or other places where a spark can cause ignition. **Do Not** smoke when spraying paint, insecticides, or other flammable substances.

Be informed about the materials you use

1. When spraying with solvents or toxic chemicals, follow the instructions provided by the chemical manufacturer. Consult a safety expert if unsure about the use of masks or respirators.
2. If the material you intend to spray contains trichloroethane and methylene chloride, do not use accessories that contain aluminum or galvanized materials, as these chemicals can react with galvanized components causing corrosion and weakening equipment. Use stainless steel accessories.

Perform these maintenance operations

1. Do regular maintenance; keep all nuts, bolts, and screws tight, to be sure equipment is in safe working condition.
2. Inspect tank yearly for rust, pin holes or any other imperfections that could cause it to become unsafe.



WARNING

NEVER attempt to repair or modify a tank! Welding, drilling or any other modification will weaken the tank resulting in damage from rupture or explosion. Always replace worn, cracked or damaged tanks.

3. Clean electrical equipment with an approved cleaning agent, such as a dry, non flammable cleaning solvent.

4. Drain tanks of moisture after each day's use. If unit will not be used for awhile, it is best to leave the drain cock open until such time as it is to be used. This will allow moisture to completely drain out and help prevent corrosion of inside of tank.
5. Always disconnect from power source before working on or near a motor, or its connected load. If power disconnect point is out of sight, secure it in the "OFF" position and tag it to prevent unexpected application of power.



WARNING

Disconnect power and depressurize system before servicing air compressor. Slightly open drain cock after shutting off compressor.

Daily

Check oil level at sight glass. Oil level should be 1/2 to slightly higher in the oil sight glass.

Drain moisture from tank.

Verify the pressure switch unloader is working by listening for a brief hissing sound when the compressor shuts off.

Visually check the compressor for loose parts, excessive noise or vibration. Tighten any necessary part.

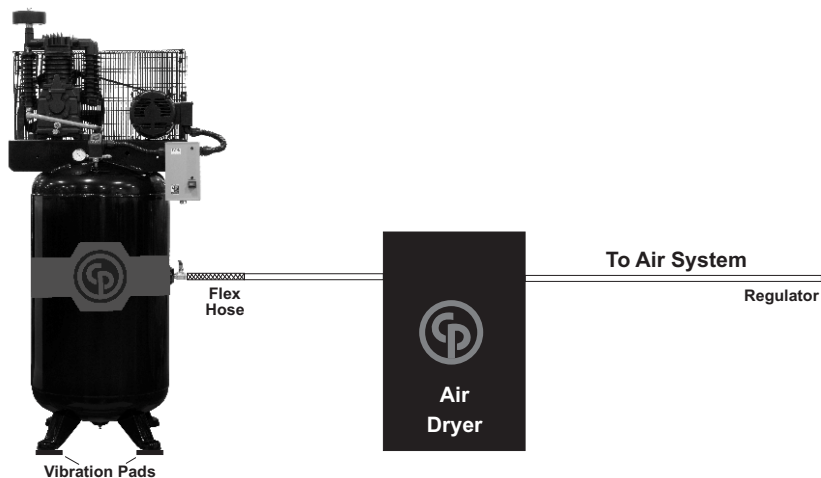
Monthly

(Make sure the main power is off.) Check the belts for tension. Belts should not move up and down when the compressor runs and when stopped, should not have more than 1/2 in of play when depressed. Be careful not to over tighten belts during adjustment.

Remove and check air filter, replace if necessary.

Change oil every 3 months or 300 hours. A compressor grade 30 wt non detergent oil should be used. 40 wt non detergent for single stage.

TYPICAL COMPRESSOR INSTALLATION



GLOSSARY OF TERMS

Air Filter

Porous element contained within a metal or plastic housing attached to the compressor cylinder head which removes impurity from the intake air of the compressor.

Air Tank

Cylindrical component which contains the compressed air.

Check Valve

Device which prevents compressed air from flowing back from the air tank to the compressor pump.

Electric Motor

Device which provides the rotational force necessary to operate the compressor pump.

Pressure Gauge

Device which shows the tank or regulated pressure of the compressed air.

Pressure Switch

Device which automatically controls the on/off cycling of the compressor. It stops the compressor when the cut off pressure in the tank is reached and starts the compressor when the air pressure drops below the cut in pressure.

PSI (Pounds per Square Inch)

Measurement of the pressure exerted by the force of air. The actual psi is measured by a pressure gauge on the compressor.

Pump

Device which produces the compressed air with a reciprocating piston contained within a cylinder.

Safety Valve

Device which prevents air pressure in the air tank from rising over a predetermined limit.

Thermal Overload Switch

Device, integrated into the electric motor winding, which automatically "shuts off" the compressor if the temperature of the electric motor exceeds a predetermined limit.

WIRING



WARNING

ALL ELECTRICAL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN

General Information

Adequate wiring and motor protection should be provided for all stationary compressors. Wiring used for other machinery should not be used. A qualified electrician familiar with local electrical codes in your area should be used. Size supply wiring per NEC (National Electric Code) requirements.



WARNING

To reduce the risk of electrical hazards, fire hazards or damage to the compressor, use proper circuit protection. Your compressor is wired at the factory for operation using the voltage shown. Connect the compressor to a power source with the correct breaker size.



WARNING

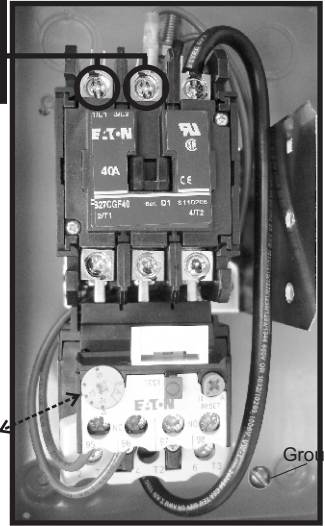
Electrical connections must be properly grounded. Ground connections should be connected at the grounding screw.



CAUTION

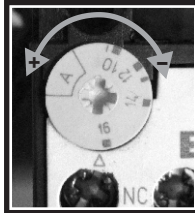
Overheating, short circuiting and fire damage will result from inadequate wiring.

Incoming power should be connected to L1 and L2 at the Top of the Magnetic Starter.



Single Phase

Overload Adjustment

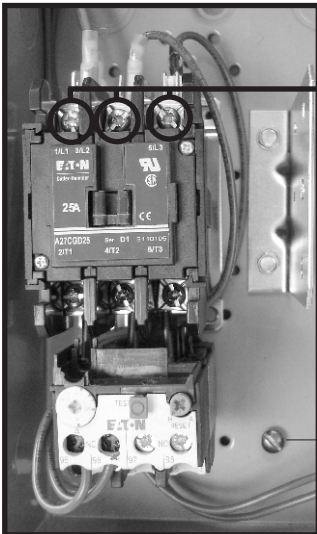


DO NOT MAKE CONNECTIONS AT THE PRESSURE SWITCH (Units with Magnetic Starters)

DUPLEX

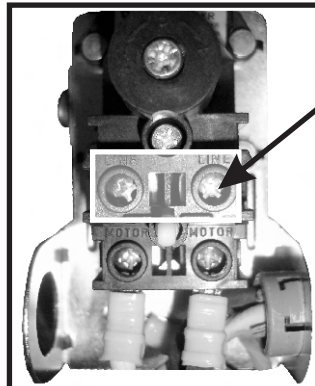
Power should be brought into the left hand starter. Do not bring power to both starters.

Incoming power should be connected to L1, L2 & L3 at the Top of the Magnetic Starter.



Three Phase

For Models Without Magnetic Starter



Incoming power should be connected to the posts marked (LINE)



Do Not Make Connections On Prewired Posts Marked (MOTOR)!



Electrical connections must be properly grounded. Ground connections should be connected at a grounding screw.

STARTING THE COMPRESSOR

Prior to actually running the compressor, check the following items:

Crankcase oil Make sure the sight glass shows $\frac{1}{2}$ full or slightly above.

Make sure all rags, tools, oil, etc. are away from the unit.

Open the air system to free it of any pressure.

Switch the compressor on for a few revolutions to make sure the rotation is correct. Correct rotation is clockwise when facing the sight glass on the pump.

Operate the compressor for a few minutes unloaded (air system open) then allow the compressor to pump up. Make sure the electrical pressure switch properly switches off the compressor according to the setting desired. 175 for Two Stage.
(135 psi Single Stage or 165 psi RCP 561VNS)



CAUTION

Make sure the pressure in the tank does not exceed its rating. Single Stage units 135 psi Two Stage units at a maximum of 175 psi. (165 for Model RCP 561VNS)
If the pressure gauge indicates a pressure that is higher than these maximum pressures, shut off compressor immediately and call your distributor.

(Gas Drive Models)

PLEASE REFER TO YOUR ENGINE OPERATION MANUAL FOR PROPER STARTING INSTRUCTIONS.

GASOLINE DRIVEN COMPRESSORS ARE EQUIPPED WITH A COLD START VALVE FOR LOADLESS STARTS. THERE IS NO NEED TO MANUALLY UNLOAD AIR PRESSURE.

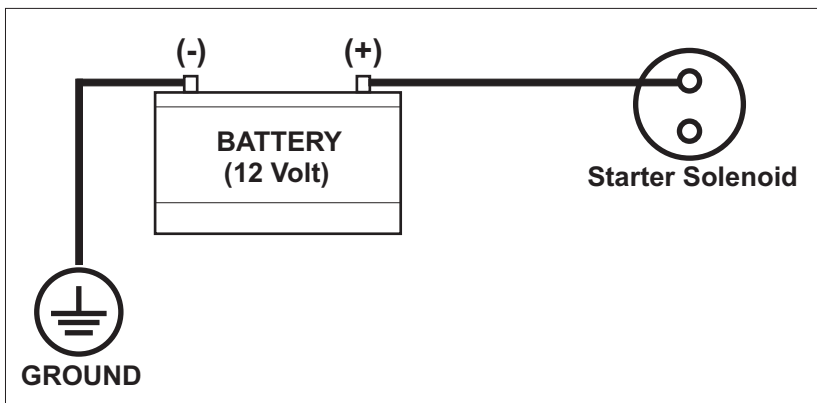
Battery Connection Instructions for Electric Start Engines

Note: Make sure to follow instructions carefully to avoid a short and possible damage to the starter solenoid and/or battery.

1. Connect the positive (+) terminal on the battery to the starter solenoid.
2. Connect the negative () terminal on the battery to an engine mounting bolt or other acceptable ground connection.

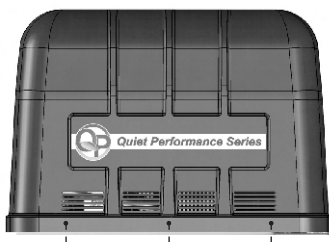
Always connect the positive(+) battery cable to the starter solenoid before connecting the negative() battery cable.

NUMBER 2 WIRE OR LARGER IS REQUIRED



QP Compressors

You have purchased a state of the art Chicago Pneumatic QP compressor. The QP comes equipped with sound attenuating enclosure. For maintenance, the canopy and side foam pieces will need to be removed.



To remove the canopy, simply remove the 6 fasteners and lift the canopy straight up and off.

QP and Elite Compressors

CP Premium and QP models come equipped with low oil level switches and automatic tank drains. The QP models also include protection against over heating.

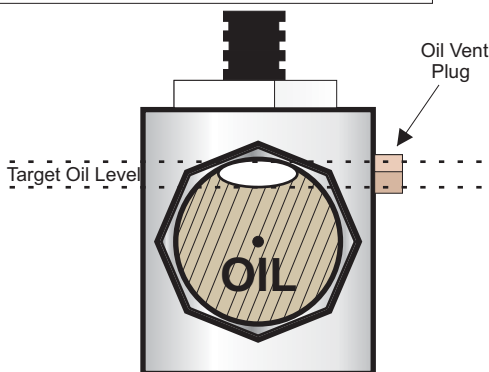
Low Oil Level Switch

The function of the low oil level switch is to keep the air compressor from starting if the oil level drops beyond a certain point.

For compressors outfitted with the low oil level switch, the oil should be in the top 1/3 of the oil sight glass.

When changing or adding oil, it is important to remove the Oil Vent Plug to allow for the oil to flow completely into the switch.

(Please Note: If overfilled, oil will flow out of the oil vent hole)



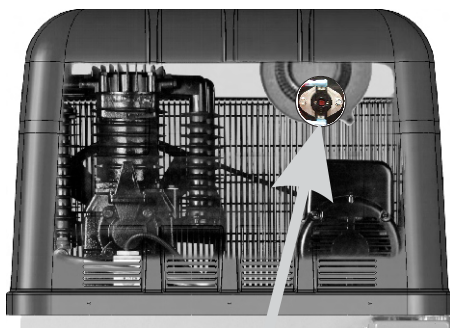
Thermal Protection - QP Models

If the cooling fan were to fail or internal temperature were to reach 180°F the QP models are outfitted with a thermal fuse.

When tripped, the fuse can be reset. The canopy will need to be removed to reset the thermal fuse.



Press to
Reset



Location of Fuse
(Inside Canopy
Behind Fan)

TROUBLESHOOTING GUIDE

Low discharge pressure	<ol style="list-style-type: none"> 1. Compressor too small for application 2. Air leaks 3. Restricted intake air 4. Blown gasket(s) 5. Broken or misaligned valves 	<ol style="list-style-type: none"> 1. Reduce air demand or use a compressor with more air capacity. 2. Listen for air leaks. Apply a soap solution to all fittings and connections. Bubbles will form at points of leakage. Tighten or replace fittings or connections. 3. Clean or replace air filter. 4. Replace necessary gaskets. 5. Remove head and inspect for broken or misaligned valves. Replace valves, if necessary. <p>⚠ CAUTION Install a new head gasket each time head is removed</p>
Excessive noise "knocking"	<ol style="list-style-type: none"> 1. Loose drive pulley or flywheel 2. Low on oil 3. Worn connecting rod or connecting rod bearing 4. Noisy check valve 	<ol style="list-style-type: none"> 1. Tighten drive pulley or flywheel bolt. 2. Check for proper oil level. Low or dirty oil may cause bearing damage. 3. Replace connecting rod and/or connecting rod bearings. 4. Replace check valve. <p>⚠ DANGER Do not remove check valve with air pressure in tank</p>
Excessive oil carryover	<ol style="list-style-type: none"> 1. Worn piston rings 2. Restricted intake air 3. Too much oil in compressor 4. Incorrect oil viscosity 	<ol style="list-style-type: none"> 1. Replace with new piston rings. 2. Clean or replace air filter. 3. Drain oil to proper oil level. 4. Use a quality non detergent 30 or 40wt oil specified for each model (Page 4).
Water in tank and/or discharge line	<ol style="list-style-type: none"> 1. Normal. Amount of water will increase as humidity in the air increases. 	<ol style="list-style-type: none"> 1. Drain tank at least once per day. 2. Add an inline filter to reduce moisture in the air line.
Will not run or motor hums	<ol style="list-style-type: none"> 1. Low voltage 2. Malfunctioning pressure switch 3. Malfunctioning check valve 	<ol style="list-style-type: none"> 1. Check voltage with volt meter across both legs of incoming power. Check reset button on motor. 2. Repair or replace pressure switch. 3. Replace check valve or pressure switch. <p>⚠ DANGER Do not remove check valve with air pressure in tank</p>
Breaker or reset repeatedly trips	<ol style="list-style-type: none"> 1. Incorrect breaker size 2. Low voltage 3. Malfunctioning motor 4. Loose electrical connections 5. Malfunctioning pressure switch 6. Malfunctioning check valve 	<ol style="list-style-type: none"> 1. Make sure the breaker is sized properly. See page 6 in this manual. 2. Check voltage with volt meter across both legs of incoming power. 3. Replace motor. 4. Check all electrical connections. 5. Adjust or replace pressure switch. 6. Replace check valve. <p>⚠ DANGER Do not remove check valve with air pressure in tank</p>
Tank does not hold pressure when not running and shut off valve is closed	<ol style="list-style-type: none"> 1. Malfunctioning check valve 2. Loose fittings or connections 3. Crack or pin hole in tank 	<ol style="list-style-type: none"> 1. Replace check valve. <p>⚠ DANGER Do not remove check valve with air pressure in tank</p> <ol style="list-style-type: none"> 2. Tighten or replace fittings or connections. 3. Replace tank. Do not attempt to repair tank.

TROUBLESHOOTING GUIDE (Continued)

Pressure switch unloader constantly leaking air	1. Malfunctioning check valve	1. Replace check valve if unloader bleeds constantly. ⚠ DANGER Do not remove check valve with air pressure in tank
Pressure switch not unloading	1. Malfunctioning pressure switch	1. Replace pressure switch if it does not release air pressure briefly when unit shuts off. ⚠ DANGER Do not remove pressure switch with air pressure in tank
Excessive vibration	1. Improper installation 2. Loose belts 3. Misaligned flywheel or drive pulley	1. Make sure unit is mounted on a level surface with vibration pads. 2. Replace belts. Align and tighten properly. 3. Align flywheel and drive pulley.
Overheating	1. Compressor too small for application 2. Cooling surfaces dirty 3. Improper cooling	1. Reduce air demand or use a compressor with more air capacity. 2. Clean all cooling surfaces of dirt and dust. 3. Install compressor in an area with adequate cool dry air.



WARNING

Oil and moisture residue must be drained from the air receiver daily or after each use. Accumulations of oil residue in the receiver can be ignited by sparks or sources of carbon created by the heat of compression, causing an explosion, damage to property and injury to personnel



WARNING

Do not open a manual tank drain valve on any air tank containing more than 30 PSIG of air pressure!



WARNING

Never attempt to relieve an air tank by removing a pipe plug or any other system component!

Manually Draining An Air Tank:

- Step 1)** Disconnect & lockout the compressor from the power source (electric models) or disconnect the spark plug wire from the spark plug (gas engine models).
- Step 2)** Tank(s) subjected to freezing temperatures may contain ice. Store the compressor in a heated area before attempting to drain moisture from the tank(s). Reduce the air pressure in the tank to 30 PSIG by pulling the pressure relief valve ring (refer to **Fig. 3-4, Checking Pressure Relief Valves & Relieving System Pressure**).
- Step 3)** Slowly open the drain valve and allow the moisture and air mixture to drain from the tank.
- Step 4)** Once the moisture has been completely drained, close the drain valve.

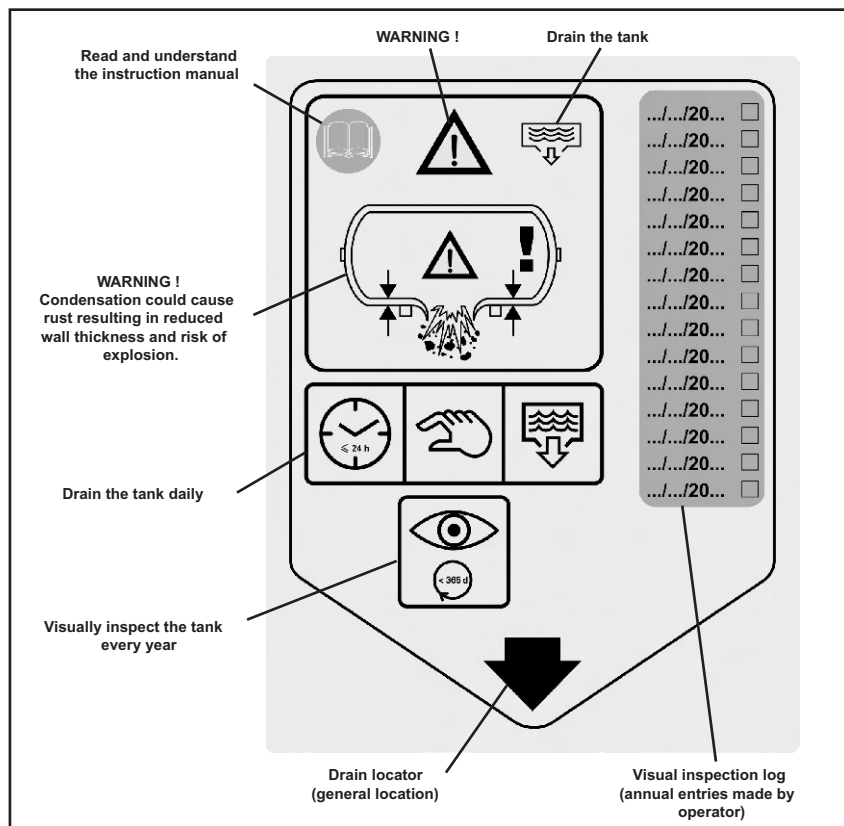
Air Tank Inspection

Tank Capacity	Horizontal or Vertical	Minimum Allowable Wall Thickness		Visually Inspect	Hydrostatically Inspect
		Head	Shell		
30 Gal.	Horizontal	.094	.106	Yearly	10 Years
60 Gal.	Horizontal	.109	.135	Yearly	10 Years
60 Gal.	Vertical	.109	.111	Yearly	10 Years
80 Gal.	Horizontal	.109	.135	Yearly	10 Years
80 Gal.	Vertical	.131	.133	Yearly	10 Years
120 Gal.	Horizontal	.131	.162	Yearly	10 Years
120 Gal.	Vertical	.163	.199	Yearly	10 Years
200 Gal.	Horizontal	.163	.199	Yearly	10 Years
240 Gal.	Horizontal	.163	.199	Yearly	10 Years

Fig. 3-5 Recommended Air Tank Inspection Intervals

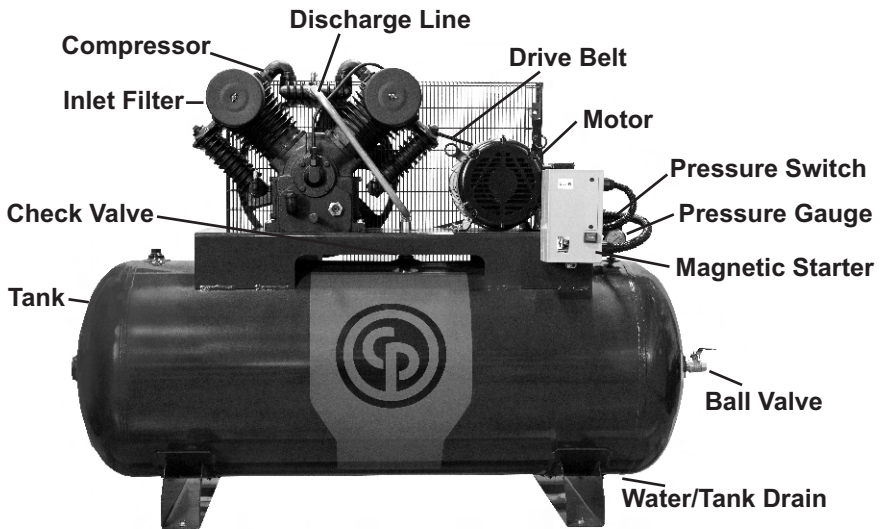
The factory recommends that all air tanks be inspected at scheduled intervals. Refer to **Fig. 3-5 Recommended Air Tank Inspection Intervals** for relative information.

Refer to federal, state or provincial, or local codes for mandatory air tank maintenance information.

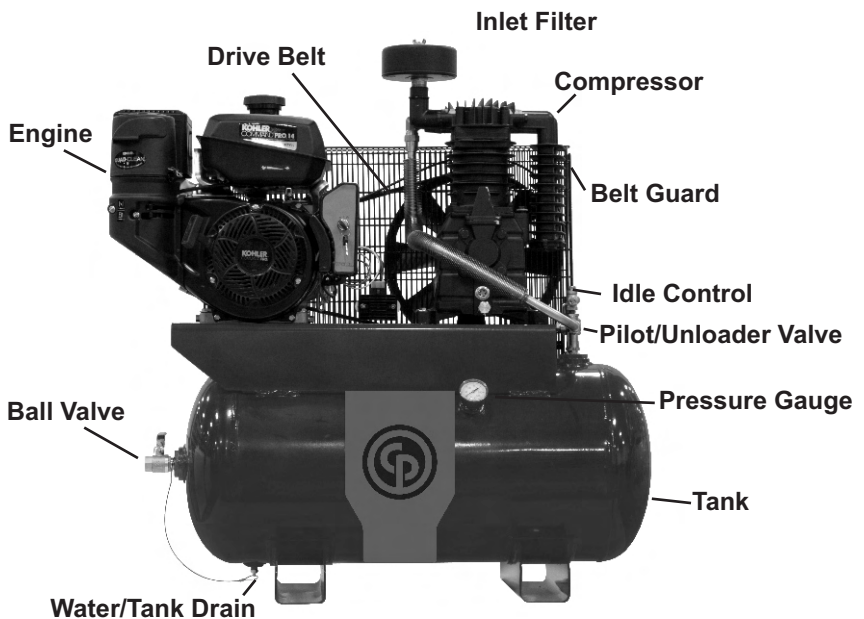


Part Callouts

Electric



Gas Drive



Single Stage and Contractor

	RCP-220P	RCP-226VP	RCP-3561V
Compressor	1312100119	1312100119	1312100123
Motor	1312100388	1312100388	1312100390
Tank	1312100473	1312100475	1312100481
Check Valve	1312100170	1312100170	1312100170
Pressure Switch	1312100409	1312100409	1312100407
Safety Valve	1312100005	1312100005	1312100005
Pressure Gauge	1312100006	1312100006	1312100378
Discharge Line	1312100213	1312100213	1312100207
Inlet Filter	6229020500	6229020500	6229020500
Water Drain	1312100360	1312100360	1312100360
BeltGuard (front)	6214343100	6214343100	6214343100
BeltGuard (back)	6222019500	6222019500	6222019500
Drive Pulley	1312100440	1312100440	1312100442
Drive Belt	1312100129	1312100129	1312100134
Unloader Line	1312100026	1312100026	1312100026
Power Cord	1312100007	1312100007	N/A
Wheel	1312100060	1312100029	N/A
Handle	2236107285	2236107294	N/A

ELECTRIC			GAS DRIVE						
	RCP 1530	RCP 2030		RCP 5530	RCP 6030	RCP 908R	RCP 908H	RCP 128 I	
Compressor	1312100123	1312100123		1312100123	1312100123	4116090019	4116090019	4116090019	
Motor	1312100388	1312100388		Engine	1312100219	1312100230	1312100231	1312100221	1312100229
Tank	TK8TO	TK8TO		Tank	TK8TO	TK8TO	TK10T	TK10T	TK10T
Check Valve	1312100170	1312100170		Idle Control	1312100382	1312100382	1312100382	1312100382	1312100381
Pressure Switch	1312100407	1312100407		Unloader/Pilot Valve	1312100496	1312100496	1312100495	1312100495	1312100495
Safety Valve	1312100005	1312100005		Safety Valve	1312100005	1312100005	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378		Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Tube	1312100206	1312100206		Discharge Tube	1312100205	1312100205	1312100205	1312100205	1312100205
Ball Valve	1312100161	1312100161		Ball Valve	1312100161	1312100161	1312100161	1312100161	1312100161
Inlet Filter	2236102112	2236102112		Inlet Filter	2236102112	2236102112	1312100374	1312100374	1312100374
Tank Drain	1312100360	1312100360		Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360
Unloader Line	1312100373	1312100373		BeltGuard (front)	1312100146	1312100146	1312100150	1312100150	1312100150
BeltGuard (front)	1312100146	1312100146		BeltGuard (back)	1312100147	1312100147	1312100149	1312100149	1312100149
BeltGuard (back)	1312100147	1312100147		Belt Guard Fastener	1312100076	1312100076	1312100076	1312100076	1312100076
Belt Guard Fastener	1312100076	1312100076		Drive Pulley	1312100441	1312100441	1312100419	1312100419	1312100419
Drive Pulley	1312100438	1312100439		Drive Belt	1312100131	1312100131	1312100136	1312100136	1312100136
Drive Belt	1312100130	1312100130		Wheel	1312100461	1312100461	1312100461	1312100461	1312100461
Wheel	1312100461	1312100461							
Power Cord	1312100007	1312100007							

Two Stage

	RCP 561VNS	RCP 581VNS	RCP 381VS	RCP 381HS	RCP 338VS/4	RCP 338HS/4	RCP 581V	RCP 581H	RCP 583V/4	RCP 583H/4
Pump	4116090112	4116090112	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019
Motor	1312100389	1312100389	1312100399	1312100399	1312100398	1312100398	1312100399	1312100399	1312100398	1312100398
Tank	1312100481	1312100488	1312100488	1312100485	1312100488	1312100485	1312100488	1312100485	1312100488	1312100488
Check Valve	1312100168	1312100170	1312100169	1312100172	1312100169	1312100172	1312100169	1312100172	1312100169	1312100169
Pressure Switch	1312100408	1312100408	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406
Safety Valve	1310251870	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312100208	1312100200	1312100198	1312100199	1312100198	1312100199	1312100198	1312100199	1312100198	1312100198
Ball Valve	1312100162	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163
Inlet Filter	1312100376	1312100376	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374
Water Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100146	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150
Belt Guard (Back)	1312100145	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076
Drive Pulley	1312100442	1312100442	1312100422	1312100422	1312100422	1312100422	1312100422	1312100422	1312100422	1312100422
Drive Belt	1312100132	1312100137	1312100140	1312100140	1312100140	1312100140	1312100140	1312100140	1312100140	1312100140
Magnetic Starter	No Starter Req	No Starter Req								
Single Phase (208V 230V)	N/A	N/A	1312100191	1312100191	N/A	N/A	1312100191	1312100191	N/A	N/A
Three Phase (208 230V)	N/A	N/A	N/A	N/A	1312100192	1312100192	N/A	N/A	1312100192	1312100192
Three Phase (460V)	N/A	N/A	N/A	N/A	1312100193	1312100193	N/A	N/A	1312100193	1312100193
Aftercooler	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted
Low Oil Level Switch	N/A	N/A	N/A	N/A	N/A	N/A	1400319	1400319	1400319	1400319
Auto Tank Drain	N/A	N/A	N/A	N/A	N/A	N/A	1312100110	1312100110	1312100110	1312100110
Beltguard Aftercooler	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	RCP 7581HS	RCP 7583VS/4	RCP 7583HS/4	RCP 7581V	RCP 7581H	RCP 7583V/4	RCP 7583H/4	RCP 10123VS/4	RCP 10123HS/4	RCP 10123V/4
Pump	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090148	4116090148	4116090148
Motor	1312100400	1312100398	1312100397	1312100400	1312100397	1312100397	1312100397	1312100401	1312100401	1312100401
Tank	1312100485	1312100488	1312100485	1312100488	1312100485	1312100488	1312100485	1312100469	1312100465	1312100469
Check Valve	1312100172	1312100169	1312100172	1312100169	1312100172	1312100169	1312100172	1312100172	1312100172	1312100167
Pressure Switch	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312100199	1312100198	1312100199	1312100198	1312100198	1312100198	1312100199	1312100011	1312100011	1312100021(top) 13121000202(bt m)
Ball Valve	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163
Inlet Filter	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100375	1312100375	1312100375
Water Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100153	1312100153	1312100153
Belt Guard (Back)	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100151	1312100151	1312100151
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076
Drive Pulley	1312100420	1312100420	1312100420	1312100420	1312100420	1312100420	1312100420	1312100422	1312100422	1312100422
Drive Belt	1312100139	1312100139	1312100139	1312100139	1312100139	1312100131	1312100139	1312100144	1312100144	1312100144
Magnetic Starter										
Single Phase (208V 230V)	1312100195	N/A	N/A	1312100195	1312100195	N/A	N/A	N/A	N/A	N/A
Three Phase (208 230V)	N/A	1312100196	1312100196	N/A	N/A	1312100196	1312100196	1312100188	1312100188	1312100188
Three Phase (460V)	N/A	1312100197	1312100197	N/A	N/A	1312100197	1312100197	1312100189	1312100189	1312100189
Aftercooler	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted	Pump Mounted
Low Oil Level Switch	N/A	N/A	N/A	1400319	1400319	1400319	1400319	N/A	N/A	1400320
Auto Tank Drain	N/A	N/A	N/A	1312100110	1312100110	1312100110	1312100110	N/A	N/A	1312100110
Beltguard Aftercooler	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1312100108

Gas Drive and Duplex

	RCP-930G	RCP-1030G	RCP-1130G	RCP-1230GK	RCP-1230G	RCP-1330G
Compressor	4116090137	4116090137	4116090019	4116090019	4116090019	4116090019
Engine	1312100232	1312100220	1312100223	1312100229	1312100229	1312100224
Tank	1312100479	1312100479	1312100479	1312100479	1312100479	1312100479
Unloader Valve	1312100497	1312100497	1312100497	1312100497	1312100497	1312100497
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312100217	1312100217	1312100217	1312100217	1312100217	1312100217
Ball Valve	1312100163	1312100163	1312100163	1312100163	1312100163	1312100163
Inlet Filter	6211471600	6211471600	1312100374	1312100374	1312100374	1312100374
Tank Drain	1312100361	1312100361	1312100361	1312100361	1312100361	1312100361
BeltGuard (front)	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150
BeltGuard (back)	1312100149	1312100149	1312100149	1312100149	1312100149	1312100149
Belt	1312100136	1312100137	1312100120	1312100120	1312100120	1312100120
BeltGuard Clip	1312100076	1312100076	1312100076	1312100076	1312100076	1312100076
Unloader Line	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373
Idle Control	1312100382	1312100382	1312100382	1312100381	1312100381	1312100381
Drive Pulley	1312100443	1312100443	1312100419	1312100419	1312100420	1312100420

	RCP 10121D	RCP 10123D	RCP 10123D4	RCP 15121D	RCP 15123D	RCP 15123D4	RCP 15201D	RCP 15203D	RCP 15203D4	RCP 20123D	RCP 20123D4
Compressor	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090019	4116090148	4116090148
Motor	1312100399	1312100398	1312100398	1312100400	1312100397	1312100397	1312100397	1312100397	1312100397	1312100401	1312100401
Tank	1312100463	1312100463	1312100463	1312100463	1312100463	1312100463	1312100471	1312100471	1312100471	1312100471	1312100471
Check Valve	1312100171	1312100171	1312100171	1312100171	1312100171	1312100171	1312100171	1312100171	1312100171	1312100172	1312100172
Pressure Switch	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406	1312100406
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378
Discharge Line	1312100211(Lt) 1312100212(Rt)	1312100211(Lt) 1312100212(Rt)	1312100211(Lt) 1312100212(Rt)	1312100211(Lt) 1312100212(Rt)	1312100211(Lt) 1312100212(Rt)	1312100211(Lt) 1312100212(Rt)	Custom Made	Custom Made	Custom Made	Custom Made	Custom Made
Ball Valve	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160	1312100160
Inlet Filter	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100374	1312100375
Filter Element	FE001	FE001	FE001	FE001	FE001	FE001	FE001	FE001	FE001	FE003	FE003
Water Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard (Front)	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100150	1312100153	1312100153
Belt Guard (Back)	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100148	1312100152	1312100152
Drive Belt	1312100140	1312100140	1312100140	1312100139	1312100139	1312100139	1312100139	1312100139	1312100139	1312100142	1312100142
Drive Pulley	1312100422	1312100422	1312100422	1312100420	1312100420	1312100420	1312100420	1312100420	1312100420	1312100422	1312100422
Unloader Line	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373	1312100373
Magnetic Starter											
Single Phase	1312100191	N/A	N/A	1312100195	N/A	N/A	1312100195	N/A	N/A	N/A	N/A
Three Phase (208 230V)	N/A	1312100192	N/A	N/A	1312100196	N/A	N/A	1312100196	N/A	1312100188	N/A
Three Phase (460V)	N/A	N/A	1312100193	N/A	N/A	1312100197	N/A	N/A	1312100197	N/A	1312100189
Alternator											
Single Phase	1312100111	N/A	N/A	1312100111	N/A	N/A	1312100111	N/A	N/A	N/A	N/A
Three Phase (208 230V)	N/A	1312100111	N/A	N/A	1312100111	N/A	N/A	1312100111	N/A	1312100111	N/A
Three Phase (460V)	N/A	N/A	1312100112	N/A	N/A	1312100112	N/A	N/A	1312100112	N/A	1312100112

RCP QP

	RCP-581VQP	RCP-583VQP	RCP-7581VQP	RCP-7583VQP
Compressor	4116090019	4116090019	4116090019	4116090019
Motor	1312100399	1312100398	1312100400	1312100397
Tank	1312100488	1312100488	1312100488	1312100488
Check Valve	1312100169	1312100169	1312100169	1312100169
Press. Switch	1312100570	1312100570	1312100570	1312100570
Safety Valve	9710533300	9710533300	9710533300	9710533300
Press. Gauge	1312100378	1312100378	1312100378	1312100378
Mag. Starter	1312100191	1312100192	1312100195	1312100196
Canopy	1312202180	1312202180	1312202180	1312202180
Tank Drain	1312100110	1312100110	1312100110	1312100110
Ball Valve	1312100163	1312100163	1312100163	1312100163
Disch. Line	1312100198	1312100198	1312100198	1312100198
Inlet Filter	1312100097	1312100097	1312100097	1312100097
Low Oil Switch	1312100014	1312100014	1312100014	1312100014
Blower	1312100088	1312100088	1312100088	1312100088
Belt Guard	1312100148	1312100148	1312100148	1312100148
	1312100150	1312100150	1312100150	1312100150
Belt	1312100373	1312100373	1312100139	1312100139
Belt Guard Clip	1312100076	1312100076	1312100076	1312100076
Unloader Line	1312100373	1312100373	1312100373	1312100373
Drive Pulley	1312100442	1312100442	1312100420	1312100420
High Temp Switch	1312100089	1312100089	1312100089	1312100089

RCP-C (Iron Series)

	RCP C581VS	RCP C583VS	RCP C583VS4	RCP C7581VS	RCP C7583VS	RCP C7583VS4	RCP C10123VS	RCP C10123VS4	RCP C10123HS
Compressor	1312100706	1312100706	1312100706	1312100706	1312100706	1312100706	1312202700	1312202700	1312202700
Motor	1312100399	1312101602	1312101602	1312100400	1312101601	1312101601	1312101600	1312101600	1312101600
Belt Guard	1312100982	1312100982	1312100982	1312100982	1312100982	1312100982	1312100983	1312100983	1312100983
Discharge Line	1312100994	1312100994	1312100994	1312100994	1312100994	1312100994	1312100717	1312100717	1312100717
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570
Unloader Line	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378
Tank	1312204700	1312204700	1312204700	1312204700	1312204700	1312204700	1312203800	1312203800	1312203800
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Magnetic Starter	1312100659	1312100656	1312100654	1312100662	1312100658	1312100657	1312100661	1312100657	1312100661
Drive Pulley	1312100714	1312100714	1312100714	1312100938	1312100938	1312100938	1312100713	1312100713	1312100713
Bushing	1312100445	1312100445	1312100445	1312100445	1312100445	1312100445	1312100446	1312100446	1312100446
Belt	1312100993	1312100993	1312100993	1312100939	1312100939	1312100939	1312100736	1312100736	1312100736
Check Valve	1312100169	1312100169	1312100169	1312100169	1312100169	1312100169	1312100172	1312100172	1312100172
	RCP C10123V	RCP C10123V4	RCP C10123H	RCP C10123H4	RCP C20123D	RCP C20123D4	RCP C20203D	RCP C20203D4	
Compressor	1312202700	1312202700	1312202700	1312202700	1312202700	1312202700	1312202700	1312202700	
Motor	1312101600	1312101600	1312101600	1312101600	1312101600	1312101600	1312101600	1312101600	
Belt Guard	1312100983	1312100983	1312100983	1312100983	1312206400	1312206400	1312206400	1312206400	Left Right
					1312206700	1312206700	1312206700	1312206700	
Discharge Line	1312100959	1312100959	1312100959	1312100959		1312100717	1312100717	1312100717	
	1312100960	1312100960	1312100961	1312100961					
Pressure Switch	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	
Unloader Line	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	1312100026	
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	
Pressure Gauge	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	1312100378	
Tank	1312203800	1312203800	1312203800	1312203800	1312205700	1312205700	1312205800	1312205800	
Tank Drain	1312100110	1312100110	1312100110	1312100110	1312100360	1312100360	1312100360	1312100360	
Magnetic Starter	1312100661	1312100657	1312100661	1312100657	1312100661	1312100657	1312100661	1312100657	
Drive Pulley	1312100713	1312100713	1312100713	1312100713	1312100713	1312100713	1312100713	1312100713	
Bushing	1312100446	1312100446	1312100446	1312100446	1312100446	1312100446	1312100446	1312100446	
Belt	1312100736	1312100736	1312100736	1312100736	1312100723	1312100723	1312100723	1312100723	
Check Valve	1312100167	1312100167	1312100172	1312100172	1312100172	1312100172	1312100172	1312100172	
Aftercooler	1312100611	1312100611	1312100611	1312100611					
Low Oil Switch	1312100014	1312100014	1312100014	1312100014					
LOS Housing	1312100013	1312100013	1312100013	1312100013					

Warranty Statement

The Company warrants that the Equipment manufactured by it and delivered hereunder shall be free from defects in material and workmanship for a period of twelve (12) months from the date of initial start-up, or eighteen (18) months from the date of shipment from the manufacturer, whichever occurs first. The foregoing warranty period shall apply to all Equipment, except for the following: (A) all two stage reciprocating stationary models are warranted for the earlier of twenty-four (24) months from the date of initial operation or thirty (30) months from date of shipment from the manufacturer. (B) Replacement parts will be warranted for three (3) months from the date of shipment from the manufacturer. Should the failure to conform to this warranty be reported in writing to the Company within said period, the Company shall, at its option, correct such non-conformity by suitable repair to such Equipment, or furnish a replacement part F.O.B. point of shipment, provided that the Purchaser has installed, maintained, and operated such Equipment in accordance with good industry practices, and has complied with specific recommendations of the Company. Accessories and equipment furnished by the Company, but manufactured by others, shall carry whatever warranty the manufacturer conveyed to the Company and which can be passed on to the Purchaser. The Company shall not be liable for any repairs, replacements, or adjustments to the Equipment, or any costs of labor performed by the Purchaser without the Company's prior written approval.

The Company makes no performance warranty unless specifically stated within its proposal, and the effects of corrosion, erosion, and normal wear and tear are specifically excluded from the Company's warranty. In the event performance warranties are expressly included, the Company's obligation shall be to correct in the manner and for the period of time provided above.

THE COMPANY MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. THIS WARRANTY SUPERSEDES ALL PREVIOUS WARRANTY STATEMENTS.

Correction by the Company of non-conformities, whether patent or latent, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Company and its distributors for such non-conformities with respect to, or arising out of such Equipment.

LIMITATION OF LIABILITY

THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE, AND THE TOTAL LIABILITY OF THE COMPANY, ITS DISTRIBUTORS AND SUPPLIERS WITH RESPECT TO CONTRACT OR THE EQUIPMENT AND SERVICES FURNISHED IN CONNECTION WITH THE PERFORMANCE OR BREACH THEREOF, OR FROM THE MANUFACTURE, SALE, DELIVERY, INSTALLATION, REPAIR OR TECHNICAL DIRECTION COVERED OR FURNISHED UNDER CONTRACT, WHETHER BASED ON CONTRACT, WARRANTY, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE OF THE EQUIPMENT UPON WHICH SUCH LIABILITY IS BASED.

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Chicago Pneumatic Compressors
1800 Overview Drive
Rock Hill, SC 29730
866-869-3114 (Parts and Technical)