



## PISTON AIR COMPRESSORS WITH SILENCER,<sup>™</sup> ELECTRIC OPERATED

*Flexzilla® designs and manufactures products for safe operation. However, operators and maintenance persons are responsible for maintaining safety. All safety precautions are included to provide a guideline for minimizing the possibility of accidents and property damage while equipment is in operation. **Keep these instructions for reference.***



### IMPORTANT MUST READ

**NEED TO CONFIRM WHETHER YOUR ELECTRICAL SYSTEM IS 1-PHASE OR 3-PHASE.  
IF 3-PHASE MUST CONFIRM VOLTAGE FOR 3-PHASE COMPRESSOR CONNECTION WHEN ORDERING.  
ALL COMPRESSORS ORDERED IN ERROR ARE SUBJECT TO RESTOCK AND FREIGHT FEES.**



# YOU MUST REGISTER TO ACTIVATE WARRANTY



Scan or go to [www.flexzilla.com/warranty-registration/](http://www.flexzilla.com/warranty-registration/)

- Must register within 6 months of date of purchase to be eligible for extended parts warranty
  - Extended parts warranty applies to stationary air compressors purchased after 7/1/2020
  - If you do not complete the warranty registration form, warranty defaults to standard 1-year parts and labor
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## Flexzilla® Pro Piston Air Compressors with Silencer™, Electric Operated

MODEL	FS05V080I1	FXS07V080V1	FXS07V080V3-208 FXS07V080V3-230	FXS10V080V1	FXS10V080V3-208 FXS10V080V3-230	FXS10V120V1	FXS10V120V3-208 FXS10V120V3-230
<b>Tank Type</b>	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
<b>Dimension</b> (LxWxH inches)	42 x 34 x 75	38 x 42 x 72	38 x 42 x 72	38 x 42 x 72	38 x 42 x 72	41 x 43 x 78	41 x 43 x 78
<b>Tank Size</b>	80 Gallon	80 Gallon	80 Gallon	80 Gallon	80 Gallon	120 Gallon	120 Gallon
<b>Description</b>	5 HP Single Phase	7.5 HP Single Phase	7.5 HP Three Phase	10 HP Single Phase	10 HP Three Phase	10 HP Single Phase	10 HP Three Phase
<b>CFM @ 90 psi</b>	19	33	33	39	39	39	39
<b>CFM @ 175 psi</b>	16	26	26	34	34	34	34
<b>Max PSI</b>	175	175	175	175	175	175	175
<b>Motor HP</b>	5 HP	7.5 HP	7.5 HP	10 HP	10 HP	10 HP	10 HP
<b>Motor RPM</b>	3450	1750	1750	1750	1750	1750	1750
<b>Voltage</b>	230V	208V/230V	208/230V	208V/230V	208/230V	208V/230V	208/230V
<b>Pump Model</b>	APP210524T	APP4V1043T	APP4V1043T	APP4V1043T	APP4V1043T	APP4V1043T	APP4V1043T
<b>Pump RPM</b>	800	640	640	800	800	800	800
<b>Outlet Connection</b>	NPT 3/4"	NPT 3/4"	NPT 3/4"	NPT 3/4"	NPT 3/4"	NPT 3/4"	NPT 3/4"
<b>Weight (±5 lbs.)</b>	620	742	742	810	810	1020	1020
<b>Shipping Weight</b>	806	956	956	988	988	1200	1200

## Safety

This manual contains very important information to know and understand. This is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help understand this information, observe the following:

**⚠ DANGER** Danger indicates an imminently hazardous situation which, if not avoided, *will* result in death or serious injury.

**⚠ WARNING** Warning indicates a potentially hazardous situation which, if not avoided, *could* result in death or serious injury.

**⚠ CAUTION** Caution indicates a potentially hazardous situation which, if not avoided, *may* result in minor or moderate injury.

**NOTICE** Notice indicates important information, that if not followed, may cause damage to equipment.



Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.

## Basic Guidelines

### CALIFORNIA PROPOSITION 65

**⚠ WARNING** *This product or its power cord may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.*

1. Allow only trained, authorized persons who have read and understood these operating instructions to use this compressor. Failure to follow the instructions, procedures and safety precautions in this manual can result in accidents and injuries.
2. NEVER start or operate the compressor under unsafe conditions. Tag the compressor, disconnect and lock out all power to it to prevent accidental start-up until the condition is corrected.
3. Install, use and operate the compressor only in full compliance with all pertinent OSHA regulations and all applicable Federal, State & Local Codes, standards and regulations.
4. NEVER modify the compressor and/or controls in any way.
5. Keep a first aid kit in a convenient place. Seek medical assistance promptly in case of injury. Avoid infection by caring for any small cuts and burns promptly.

## Breathable Air

1. NEVER use air from this compressor for breathable air except in full compliance with OSHA Standards 29 CFR 1910 and any other Federal, State or Local codes or regulations.

### ⚠ DANGER



**Death or serious injury can result from inhaling compressed air without using proper safety equipment. See OSHA standards on safety equipment.**

2. DO NOT use air line anti-icer systems in air lines supplying respirators or other equipment used to produce breathable air. DO NOT discharge air from these systems in unventilated or other confined areas.

## Pressurized Components

This equipment is supplied with a ASME designed pressure vessel protected by an ASME rated relief valve. Pull the ring *before each use* to make sure the valve is functional. Refer to figure 12. DO NOT attempt to open valve while the machine is under pressure.

## Personal Protective Equipment

Be sure all operators and others around the compressor and its controls comply with all applicable OSHA, Federal, State and Local regulations, codes and standards relating to personal protective equipment. This includes respiratory protective equipment, protection for the extremities, protective clothing, protective shields and barriers, electrical protective equipment and personal hearing protective equipment.

## Inspection

### ⚠ WARNING



Inspect compressor prior to any use. Check for external damage that might have occurred during transit. *Be careful of moving parts* then test pulley by turning it freely by hand. **Report any damage to delivery carrier immediately.**

### ⚠ CAUTION

**Make sure pallet-mounted compressors are firmly secured to the pallet before moving. NEVER attempt to move a compressor that is not secure as serious injury or property damage could occur.**

A forklift may be necessary for unloading the Flexzilla compressor. Use all forklift safety measures and require a certified forklift operator. Refer to figure 1 for safe unloading procedure.



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## Forklift Safety

1. Make sure lift operator stays aware while moving compressor.
2. Be sure load is secure and well balanced before moving the compressor.
3. Make sure forks are fully engaged and level before lifting or moving compressor.
4. Keep load as low as possible and observe safe operating practices.

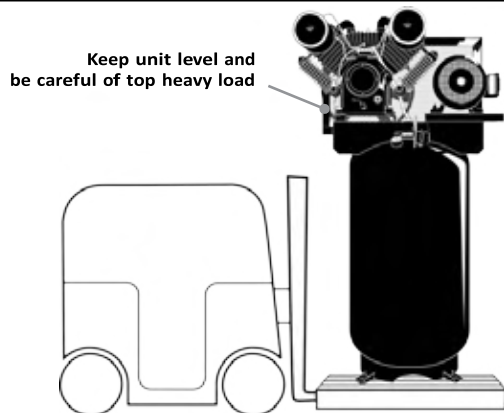


Figure 1: Keep unit level

## Lifting Safety

1. Carefully inspect all lifting equipment and make sure it is in good condition. Rated capacity should exceed compressor weight. Make sure lifting hook has a functional safety latch or equivalent and is properly attached to lifting feature.
2. Make sure lifting points are in good condition and tighten any loose nuts or bolts before lifting.
3. Use provided lifting feature or appropriate sling. A sling must be used when moving compressor with a helicopter or other air-borne equipment. Be sure to follow OSHA standards 29 CFR 1910 Subpart N.
4. Use guide ropes or equivalent to prevent twisting or swinging of the compressor while it is in the air and NEVER attempt to lift in high winds. Keep compressor as low to the ground as possible.
5. Keep persons away and make sure no one is under the compressor while it is lifted.
6. Only use lifting features provided for entire compressor package. NEVER use bolts or other hooks on individual components to move the compressor.
7. Make sure to put compressor on a level surface that can support the weight of the compressor and loading equipment.

**⚠ WARNING** *Do not operate unit if damaged during shipping, handling or use.*

*Damage may result in bursting and cause injury or property damage.*

## Installation

### Area

1. Install compressor in a clean, dry and well-lit area. Be sure installation area can maintain a temperature range between 35° - 110° F.

**⚠ CAUTION** *If ambient temperature drops below 32°F, be sure to protect safety/relief valves and drain valves from freezing. NEVER operate compressor with temperatures below 15°F or above 125°F.*

2. Allow sufficient space around compressor for maintenance access and adequate airflow. Mount unit with pulley towards wall and leave a minimum of 15 inches of clearance.
3. Use shims to level compressor if installation area is not flat. This will avoid excessive vibration and premature pump wear.

**⚠ DANGER** *DO NOT install compressor in boiler room, paint spray room or area where sandblasting occurs. Make sure inlet air is away from exhaust fumes or other toxic, noxious or corrosive fumes or substances.*



4. If acid is used in operating environment or air is dust laden, pipe intake to outside, fresh air. Increase pipe size by one size for every 20 feet of run. Be sure to install protective hood around intake filter.
5. In operating environments where excessive water, oil, dirt, acid or alkaline fumes are present, a TEFC (totally enclosed, fan-cooled) motor is recommended. Check nameplate for motor type.
6. Insulate cold water or other low temperature pipes that pass overhead to avoid condensation dripping on compressor which could cause rust and/or motor shorting.

## Piping

### Safety Steps

1. Install appropriate flow-limiting valves as necessary according to pipe size(s) used and run lengths. This will reduce pressure in case of hose failure, per OSHA Standard 29 CFR 1926.302(b)(7).
2. Flow-limiting valves are listed by pipe size and rated CFM. Select appropriate valves accordingly, in accordance with the manufacturer's recommendations.



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## Piping / Tank Installation

1. Place tank feet on 1/4 in. thick rubber pads. Thicker padding will increase vibration and the possibility of cracking the tank or other unit damage. **Do not place unit on dirt floor or uneven surface.**
2. Fasten anchor bolts snugly but do not overtighten so normal vibration will not damage unit.

**⚠ DANGER** *Compressor unit is top heavy and **must be bolted to solid, flat surface to avoid falling and premature pump wear.** Splash lubrication will not operate properly if unit is not level.*

3. Use a flexible connector between compressor tank and piping system to minimize noise, vibration, unit damage and pump wear.
4. Install appropriate ASME code safety valves and make sure piping system is equipped with adequate condensate drains. See figure 2. Refer to figure 3 for recommended closed loop installation.

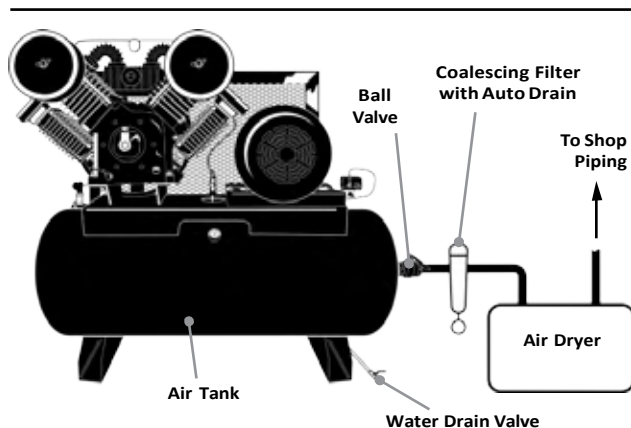


Figure 2: Basic Piping Diagram

**⚠ WARNING** *Never install a shut-off valve such as a glove or gate valve, between the pump discharge and the air tank unless a safety valve is installed in the line between valve and pump.*



5. Make sure any tube, pipe or hose connected to the unit can withstand operating temperatures and retain pressure.

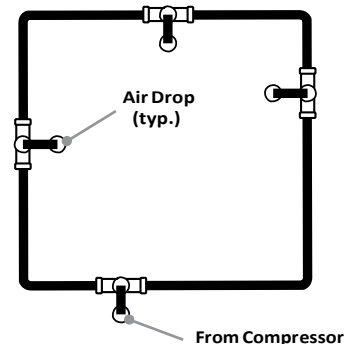
**⚠ WARNING** *Never use plastic (PVC) pipe for compressed air. Serious injury or death could result.*

6. Never use reducers in discharge piping. Keep all piping and fittings the same size in the piping system.

## Minimum Pipe Size For Compressed Air Lines (Pipe size shown in inches)

SCFM	Length Of Piping System			
	25 ft.	50 ft.	100 ft.	250 ft.
20	3/4	3/4	3/4	1
40	3/4	1	1	1
60	3/4	1	1	1
100	1	1	1	1-1/4
125	1-1/4	1-1/4	1-1/2	1-1/2

**PLAN VIEW**  
Closed loop system  
Install tee fitting in piping from air supply to minimize pressure drop and to allow airflow in two directions.



**Air Drop:**  
Install tee fitting with branch to top to minimize condensation in air drop

## ELEVATION

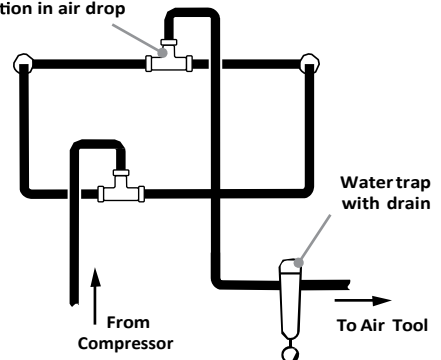


Figure 3: Closed Loop Installation

7. For permanent installations of compressed air systems, determine total length of system and select correct pipe size. Make sure underground lines are buried below frost line and avoid areas where condensation could build up and freeze.
8. Test entire piping system *before* underground lines are buried. Be sure to find and repair all leaks before using compressor.

**⚠ WARNING** *Never exceed recommended pressure or speed while operating compressor.*

## Electronic Auto Drain (if equipped)

One auto drain can be used for multiple compressor units. Install necessary piping with appropriate fittings.



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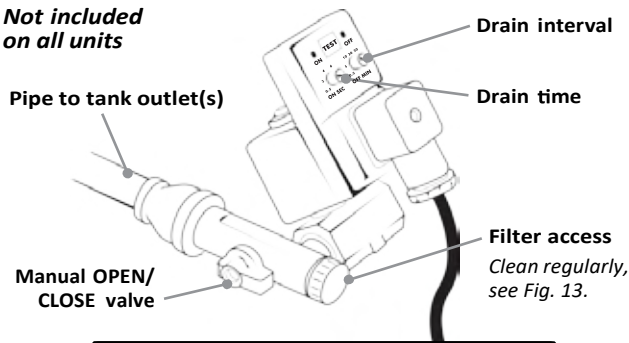


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**Not included  
on all units**



**Figure 4: Auto Drain Feature**

1. Plug auto drain into 120V outlet.
2. Set timers to desired settings. See figure 4. If drain is used for multiple units, increase timer settings as needed.
3. Use test button to check proper operation. Refer to maintenance section for proper care.

## Electrical Safety

### **⚠ DANGER**



**Be sure only trained and authorized personnel install and maintain this compressor in accordance with all applicable federal, state and local codes, standards and regulations. Follow all NEC (National Electric Code) standards, especially those concerning equipment grounding conductors.**

1. Follow all NEC and local codes for electrical wiring. Allow only authorized Flexzilla service person or certified electrician to install electrical components.
2. Put unit on dedicated circuit and make sure no other electrical equipment is wired into it. Failure to wire unit on independent circuit can cause circuit overload and/or imbalance in motor phasing. Install proper No Fuse Breaker (NFB) according to kW output of compressor.
3. Ensure incoming service has adequate ampere rating.
4. Ensure supply line has the same electrical characteristics (voltage, cycles and phase) as the electric motor.
5. Refer to amp load information on motor tag and use correctly sized wiring. **Be sure to consider distance between power supply and machine.**
6. Install surge protection device between power supply and compressor motor.
7. Make sure to install properly sized breakers and fuses.
8. The unit must be properly grounded. **DO NOT** connect ground wire to air or cooling lines.

### **⚠ DANGER**



**Improperly grounded electrical components are shock hazards. Make sure all the components are properly grounded to prevent death or serious injury.**

9. Make sure proper overload protection for the motor is installed.

## Wiring Installation

Install power leads into terminals opposite motor wires.

### **⚠ WARNING**

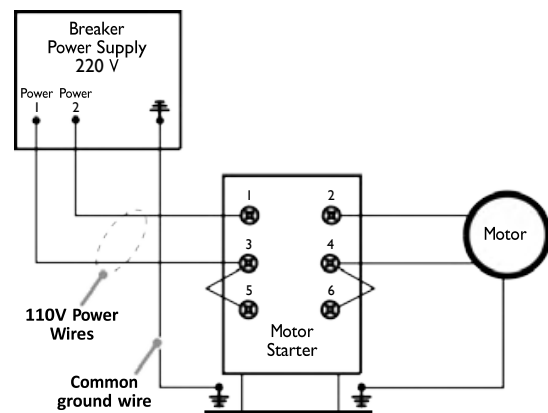


**When wiring unit with magnetic starter, do not install power directly to pressure switch to avoid possible fire and property damage.**

Ensure power supply and internal wiring is adequate according to voltage and frequency stated on motor nameplate and starter. Voltage should not vary more than 12% to ensure proper operation of compressor.

## Single Phase Motors - No Magnetic Starter (Flexzilla Pro 5 HP)

1. Connect first power lead to 1L1.
2. Connect second power lead to 3L2.
3. Connect ground wire to existing motor ground wire.



**Figure 5: Single Phase Wiring Diagram without magnetic starter**

## Single Phase Motors - With Magnetic Starter (Flexzilla Pro 7.5-10 HP)

1. Connect first power lead to 1L1. Leave existing jumper wire installed. See Figure 6.
2. Connect second power lead to 3L2. Leave existing jumper wire installed.
3. Connect ground wire to ground lug.
4. Ensure all wiring and terminals are properly tightened.



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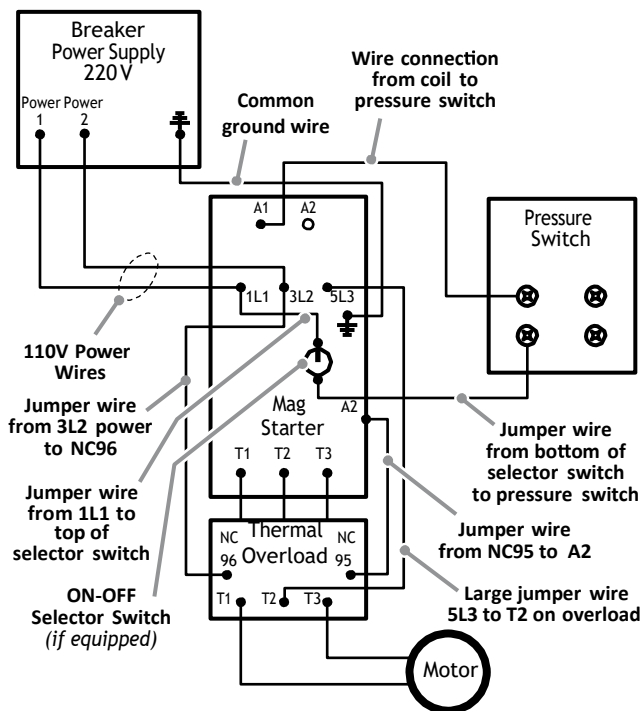


Figure 6: Single Phase Wiring Diagram with magnetic starter

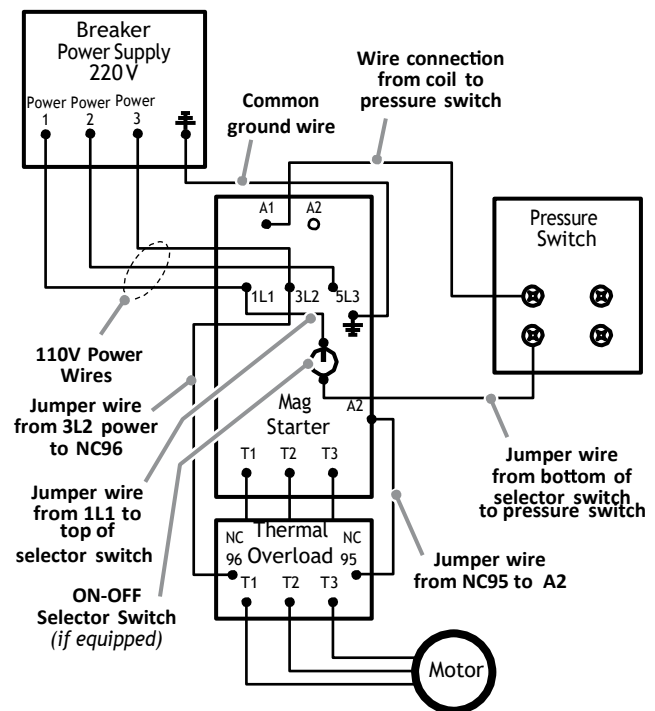


Figure 7: Three Phase Wiring Diagram with magnetic starter

### Three Phase Motors (See figure 7)

1. Connect first power lead to 1L1.
2. Connect second power lead to 3L2.
3. Connect third power lead to 5L3.
4. Connect ground wire to existing motor ground wire.
5. Check for proper motor rotation. When facing motor shaft, pulley should turn counterclockwise. If rotation is reversed, **turn off power** then switch two power leads.

**⚠ CAUTION** *Ensure wiring is installed according to voltage required for proper motor operation (220V or 460V).*

## Operation

### Safety Rules

1. Make sure all operators receive product training and read and understand all instructions.

**⚠ WARNING** *Keep all flammable, combustible, poisonous and noxious materials away from operating area. Make sure there are no oily rags, trash, leaves, litter or other combustible materials in operating area. Keep*

*suitable, fully charged fire extinguishers nearby when servicing and operating the compressor.*

2. **NEVER** allow modifications to compressor structure or controls.
3. Keep all ignition sources away from exposed electrical parts.
4. Keep all persons clear of compressor during start-up and operation.
5. NEVER operate the compressor with the fan, coupling or other guards removed.
6. DO NOT engage in horseplay with air hoses as death or serious injury may result.
7. Make sure to provide adequate ventilation and use proper lubricant while operating the compressor. If lubricant or other combustible substances are spilled, clean up immediately.
8. When checking or adding lubricant or when refilling air line anti-icer systems with antifreeze compound, shut off compressor and allow it to cool. Keep sparks, flames and other ignition sources away and DO NOT permit smoking in the vicinity.
9. Stop compressor and disconnect power if a hazardous condition arises.
10. Wear snug fitting clothing and confine long hair when around compressor. Keep all body parts and clothing away from couplings, flywheel and other moving parts of the equipment.



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**▲ WARNING**

**Keep all persons away from the discharge opening of hoses or tools or other points of compressed air discharge. If the machine is installed in an enclosed area, be sure to vent the relief valve outside of the structure or to an unoccupied area.**

11. Select air tools, air hoses, pipes, valves, filters and other fittings accordingly. DO NOT exceed manufacturer's rated safe operating pressures for these items.
12. Make sure all hose connections are adequately secured to prevent tools or hose ends from being accidentally disconnected.

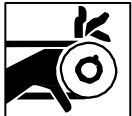
**Start-Up**

1. This unit is shipped with pump break-in oil and should be ready to operate. Be sure to check for proper oil level before operating the compressor. Oil should be in center of site glass. See figure 8.

**NOTICE**

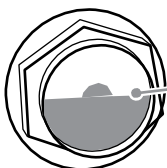
**Use only Flexzilla Compressor Oil. Use of any other product will cause product damage and void the warranty.**

2. Check for proper belt tension. There should be 1/2 inch slack. Refer to maintenance section if adjustment is necessary.

**▲ WARNING**

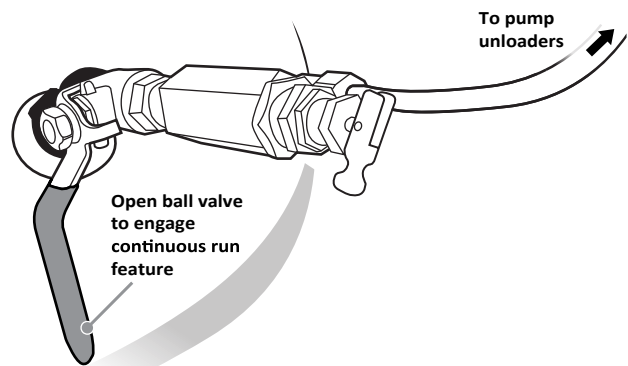
**Always make sure main power is off before touching belts or other moving parts of compressor.**

3. Lightly push power switch to make sure system is working.
4. If motor shaft is not turning counter clockwise, disconnect power to terminal block then exchange any two of the three power leads. Re-check rotation.



Oil level should be to center of red circle in site glass

**Figure 8: Check proper oil level**



**Figure 9: Continuous run feature**

**Continuous Run Feature (if equipped)**

For heavy use applications such as sandblasting, the continuous run feature is available. This feature keeps main feed line open to eliminate numerous motor starts/stops and to help cool the pump.

To engage continuous run feature, open ball valve found by following copper tubing across cylinder heads to tank. See figure 9.

Stop continuous run feature by closing valve so compressor will start and stop according to pressure switch.

**Maintenance****Safety Steps****▲ WARNING**

**Disconnect, tag and lock out power source then release all pressure from the system before attempting to install, service, relocate or perform ANY maintenance.**

1. Make sure repairs are done in a clean, dry, well lit and ventilated area.
2. When cleaning, use air pressure less than 30 psi (2.1bar). **NEVER** use flammable solvents for cleaning purposes. Also use effective chip guarding and personal protective equipment per OSHA standard 29 CFR 1910.242 (b).
3. Relieve all internal pressure prior to opening any line, fitting, hose, valve, drain plug, connection or other component, such as filters and line oilers, and before refilling optional air line anti-icer systems with antifreeze compound.
4. Keep electrical wiring, including all terminals and pressure connectors, in good condition. Replace any wiring that has cracked, cut or otherwise damaged insulation. Replace terminals that are worn, discolored or corroded. Keep all terminals and pressure connectors clean and tight.



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- Keep all body parts and any hand-held tools or other conductive objects away from exposed live parts of the electrical system. When making repairs or adjustments, stand on a dry, insulated surface and DO NOT contact any other portion of the compressor.
- DO NOT leave compressor unattended with exposed electrical components. Be sure to tag and disconnect all power if temporary absence is necessary.

**CAUTION**

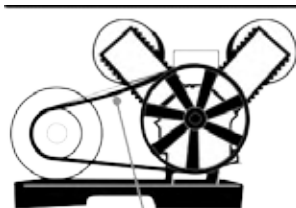
**Compressor components can become hot during operation. Avoid bodily contact with hot liquids, hot surfaces and sharp edges and corners.**

**Belt Adjustment****WARNING**

**Be sure to relieve all system pressure, then lock out power and tag compressor to prevent unexpected movement of the unit.**

Inspect belt tension after first 30 hours of operation then every 30 days.

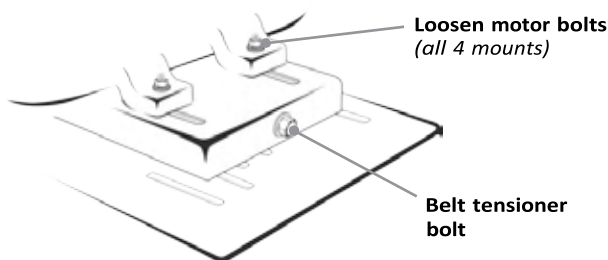
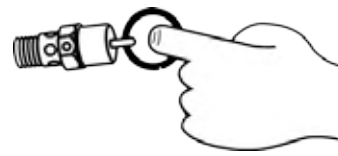
- Proper belt tension is determined by pressing on belt midway between motor pulley and flywheel. There should be approximately 1/2 inch of deflection.



1/2" Deflection

**Fig. 10: Proper belt tension**

- Adjust belt tension as needed by loosening the four motor frame nuts then adjusting single bolt head on belt tensioner. See figure 11. **Remember to tighten motor bolts after adjustment is made.**
- Always replace all belts with the same brand at the same time. Make sure belts are uni-matched. Do not replace belts independently.

**Figure 11: Belt adjustment**

Pull ring on safety valve before each use.

**Figure 12: Safety Valve**

- Do not splash lubricating oil on belts or pulleys when adjusting or replacing belts.

**Changing Oil**

All units are shipped with break-in oil. Change oil within first 70 hours or 30 days of operation, whichever comes first. DO NOT use automotive type oil.

**NOTICE**

*Use only designated oil based on maintenance schedule listed above. Use of any other product will cause product damage and void the warranty.*

**Oil Filter** for the 10HP compressor is reusable. Clean with solvent, not soap and water.

**Safety Valve****DANGER**

**NEVER attempt to regulate or tamper with safety valve. Valve is sealed and certified by ASME code and is designed to relieve system pressure when necessary.**

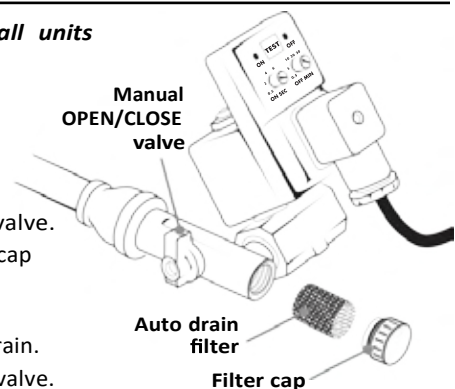
Check proper operation of safety valve before each use. Refer to figure 12. If valve does not open manually, **replace immediately**. Discharge pressure is generally set at 175 psi (12.1 bar). DO NOT attempt to open valve while machine is under pressure.

**Tank**

Drain daily.

If unit is equipped with electronic auto drain:

- Check daily to ensure proper operation.
- Clean filter weekly. Refer to figure 13.

**Not included on all units**

- Close manual valve.
- Remove filter cap and filter.
- Clean filter.
- Reassemble drain.
- Open manual valve.

**Figure 13: Clean filter in automatic drain**

**YOU MUST REGISTER TO ACTIVATE WARRANTY**



Scan or go to [www.flexzilla.com/warranty-registration/](http://www.flexzilla.com/warranty-registration/)

- Must register within 6 months of date of purchase to be eligible for extended parts warranty
  - Extended parts warranty applies to stationary air compressors purchased after 7/1/2020
  - If you do not complete the warranty registration form, warranty defaults to standard 1-year parts and labor
- Warranty only valid by following conditions expressed in the Warranty Statement section of this Air Compressor Manual.

Compressor 1-Year and Extended Parts Warranty Option Maintenance Schedule		Compressor 1-Year, Extended Parts and Lifetime Pump Warranty Option Maintenance Schedule	
<b>After First 70 Hours or 30 Days</b>	<input type="checkbox"/> Change oil - Must use Flexzilla Synthetic Compressor Oil	<input type="checkbox"/> Change oil - Must use Smart Oil Whisper Blue Synthetic Compressor Oil	
<b>Daily</b>	<input type="checkbox"/> Check for proper oil level <input type="checkbox"/> Drain any condensation from receiver and traps <input type="checkbox"/> Check for any unusual noise or vibration	<input type="checkbox"/> Check for proper oil level <input type="checkbox"/> Drain any condensation from receiver and traps <input type="checkbox"/> Check for any unusual noise or vibration	
<b>Weekly</b>	<input type="checkbox"/> Clean air filter <input type="checkbox"/> Clean all external parts of compressor and driver <input type="checkbox"/> Check safety valve	<input type="checkbox"/> Clean air filter <input type="checkbox"/> Clean all external parts of compressor and driver <input type="checkbox"/> Check safety valve	
<b>Monthly</b>	<input type="checkbox"/> Inspect entire air system for leaks <input type="checkbox"/> Inspect oil for contamination and change if necessary <input type="checkbox"/> Check belt tension and wear <input type="checkbox"/> Check valve assemblies	<input type="checkbox"/> Inspect entire air system for leaks <input type="checkbox"/> Inspect oil for contamination and change if necessary <input type="checkbox"/> Check belt tension and wear <input type="checkbox"/> Check valve assemblies	
<b>Every 6 Months or 1000 Hours</b>	<input type="checkbox"/> Purchase Flexzilla Oil Maintenance Kit #MAINKIT008A <input type="checkbox"/> Change oil and replace filters	<input type="checkbox"/> Purchase Smart Oil Maintenance Kit #FKIT026A <input type="checkbox"/> Change oil and replace filters	

## Maintenance Parts

Part Number	Description
DRAIN013	Flexzilla™ Pro Air Compressor Automatic Tank Drain with Noise Reduction Filter
FILTER057	Flexzilla™ Air Filter, for 5-10 HP Air Compressors, Qty. 1
FILTER107KIT	Flexzilla™ Air Compressor Silencer™ Filters, Qty. 8
FILTERKIT011	Flexzilla™ Pro Air Dryer Filter Maintenance Kit, for 30 CFM, Qty. 2
FILTERKIT012	Flexzilla™ Pro Air Dryer Filter Maintenance Kit, for 58 CFM, Qty. 2
FKIT026A	Smart Oil™ and Filter Maintenance Kit, for Flexzilla® 5-10 HP Air Compressors Includes: (4) Quarts Smart Oil Whisper Blue Synthetic Oil, (4) Air Filters, and (16) Silencer™ Filters
MAINKIT008A	Flexzilla™ Oil and Filter Maintenance Kit, for Flexzilla® 5-10 HP Air Compressors Includes: (2) Quarts Flexzilla Synthetic Oil, (2) Air Filters, and (8) Silencer™ Filters
OILFZ004	Flexzilla™ Air Compressor Oil, Synthetic, Piston-Type, 1 Qt.
OILPIS102Q	Smart Oil™ Whisper Blue Synthetic Air Compressor Oil, 1 Qt.

## Troubleshooting Chart



Problem	Possible Causes	Resolutions
Low air pressure	1. Clogged inlet filter	1. Disassemble valve, clean thoroughly
	2. Air leak(s) in system	2. Use soapy water to locate leaks, replace or tighten threaded parts
	3. Application exceeds rated air output of compressor	3. Check CFM requirements, change tool or use compressor with higher air output
	4. Cylinder head valves not sealing	4. Remove valves from cylinder head, repair or replace as necessary
	5. Insufficient power	5. Check power supply, rewire as necessary
Overheating	1. Duty cycle exceeded	1. Keep duty cycle at 60/40 to maintain pump life
	2. Improper rotation	2. When facing flywheel, ensure counter clockwise rotation
	3. Head valve(s) not seating properly	3. Clean or replace
	4. Blown cylinder head gasket(s)	4. Replace gasket(s)
	5. Restriction in head, intercooler or check valve	5. Clear blockage
	6. Low oil	6. Add oil. Ensure oil level is at middle of sight glass. See figure 8.
<b>NOTICE</b> Use only designated oil based on maintenance schedule listed above. Use of any other product will cause product damage and void the warranty.		
	7. Dirt in intercooler fins or cylinder fins	7. Use low pressure air to blow dirt away from compressor
	8. Poor ventilation / ambient temperature too high	8. Increase ventilation around operating area. Ensure compressor has adequate clear space from walls and other possible obstructions. Ambient temperature should not exceed 110°F.

**WEEMS GLOBAL® (and each of its subsidiaries) - Flexzilla Stationary Air Compressors Warranty Statement**

**IMPORTANT!!** You must register your compressor by selecting 1 of the five warranty options below.

To register your warranty go to [www.flexzilla.com/compressor-warranty-registration/](http://www.flexzilla.com/compressor-warranty-registration/)

**WARRANTY OPTION #1 - 1 YEAR STANDARD PARTS AND LABOR WARRANTY:** WEEMS GLOBAL WARRANTS THAT EACH FLEXZILLA® PRO COMPRESSOR UNIT AND PUMP TO BE FREE FROM DEFECTS IN MATERIAL, WORKMANSHIP, AND INCLUDES PARTS AND LABOR FOR 1 YEAR FROM THE DATE OF INVOICE/DELIVERY. WEEMS GLOBAL (and each of its subsidiaries) is not responsible for downtime during warranty service. If downtime is necessary, it is the Purchaser's discretion and obligation (at Purchaser's expense) to have a redundant compressor. Parts shipped for warranty repairs shall only include ground freight charges for the first 6 months of the warranty period, thereafter, owner is responsible for all freight charges of parts shipped for warranty. Any and all express shipping charges of warranty parts would be at the owner's expense. Standard technical phone assistance is available during and after the standard warranty period. Purchaser is responsible for returning the unit and/or applicable part(s) to WEEMS GLOBAL. Designated oil and maintenance kits listed in the Maintenance Schedule of the Flexzilla Pro Operating Instruction Manual MUST be used exclusively for warranty consideration (mixing different brands of oil will void this warranty). A maintenance kit must be purchased from WEEMS GLOBAL or a WEEMS GLOBAL dealer for this warranty to apply. Maintenance kits contain the oil and filters that must be changed every six months or 1,000 hours, whichever comes first. Annual proof of purchase of maintenance kits must be maintained by the original purchaser of the compressor unit. If the unit runs out of oil, this warranty is void. Failure to fully comply with this warranty and fully comply with the manual herein will also void this warranty.

 <p><b>YOU MUST REGISTER TO ACTIVATE WARRANTY</b></p>	 <p>Scan or go to <a href="http://www.flexzilla.com/warranty-registration/">www.flexzilla.com/warranty-registration/</a></p> <ul style="list-style-type: none"> <li>- Must register within 6 months of date of purchase to be eligible for extended parts warranty</li> <li>- Extended parts warranty applies to stationary air compressors purchased after 7/1/2020</li> <li>- If you do not complete the warranty registration form, warranty defaults to standard 1-year parts and labor</li> </ul> <p>Warranty only valid by following conditions expressed in the Warranty Statement section of this Air Compressor Manual.</p>
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**FLEXZILLA PRO 5 HP MODEL ONLY:**

**WARRANTY OPTION #2 - 4 YEAR EXTENDED PARTS WARRANTY OPTION:** WEEMS GLOBAL WARRANTS THAT EACH FLEXZILLA PRO STATIONARY COMPRESSOR UNIT AND PUMP TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, FOR 1 YEAR STANDARD PARTS AND LABOR AND AN ADDITIONAL 3 YEARS ON PARTS FROM THE DATE OF INVOICE/DELIVERY AS LONG AS FLEXZILLA MAINTENANCE KIT #MAINKIT008A (FLEXZILLA PUMP OIL AND FILTERS) IS USED TO MAINTAIN AIR COMPRESSORS EVERY SIX MONTHS OR 1,000 HOURS, WHICHEVER COMES FIRST. Annual proof of purchase of FLEXZILLA MAINTENANCE KIT #MAINKIT008A must be maintained by the original purchaser of the compressor unit. If the unit runs out of oil, this warranty is void. Failure to fully comply with this warranty and fully comply with the manual herein will also void this warranty. Parts shipped for warranty repairs shall only include ground freight charges for the first 6 months of the warranty period, thereafter, owner is responsible for all freight charges of parts shipped for warranty. Any and all express shipping charges of warranty parts would be at the owner's expense. Standard technical phone assistance is available during and after the standard warranty period.

**WARRANTY OPTION #3 - 4 YEAR EXTENDED PARTS WARRANTY WITH LIMITED LIFETIME PUMP WARRANTY OPTION:** WEEMS GLOBAL WARRANTS THAT EACH FLEXZILLA PRO STATIONARY COMPRESSOR UNIT AND PUMP TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, 1 YEAR STANDARD PARTS AND LABOR AND AN ADDITIONAL 3 YEARS ON PARTS ALONG WITH LIMITED LIFETIME ON PUMP PARTS FROM THE DATE OF INVOICE/DELIVERY AS LONG AS SMART OIL MAINTENANCE KIT #FKIT026A (SMART OIL PUMP OIL AND FILTERS) IS USED TO MAINTAIN AIR COMPRESSORS EVERY SIX MONTHS OR 1,000 HOURS, WHICHEVER COMES FIRST. Annual proof of purchase of SMART OIL MAINTENANCE KIT #FKIT026A must be maintained by the original purchaser of the compressor unit. If the unit runs out of oil, this warranty is void. Failure to fully comply with this warranty and fully comply with the manual herein will also void this warranty. Parts shipped for warranty repairs shall only include ground freight charges for the first 6 months of the warranty period, thereafter, owner is responsible for all freight charges of parts shipped for warranty. Any and all express shipping charges of warranty parts would be at the owner's expense. Standard technical phone assistance is available during and after the standard warranty period.

**Limited Lifetime Warranty -** If the product has been discontinued at any point, the Limited Lifetime Pump warranty will last five years past the discontinued date. Warrantor has discretion to substitute parts with the current model for the five-year duration. In order to maintain Limited Lifetime Warranty status, the owner must adhere to the required maintenance schedule utilizing the SMART OIL MAINTENANCE KIT #FKIT026A.

**FLEXZILLA PRO 7.5 AND 10 HP MODELS ONLY:**

**WARRANTY OPTION #4 - 6 YEAR EXTENDED PARTS WARRANTY OPTION:** WEEMS GLOBAL WARRANTS THAT EACH FLEXZILLA PRO STATIONARY AIR COMPRESSOR UNIT AND PUMP TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, FOR 1 YEAR STANDARD PARTS AND LABOR AND AN ADDITIONAL 5 YEARS ON PARTS FROM THE DATE OF INVOICE/DELIVERY AS LONG AS FLEXZILLA MAINTENANCE KIT #MAINKIT008A (FLEXZILLA PUMP OIL AND FILTERS) IS USED TO MAINTAIN AIR COMPRESSORS EVERY SIX MONTHS OR 1,000 HOURS, WHICHEVER COMES FIRST. Annual proof of purchase of FLEXZILLA MAINTENANCE KIT #MAINKIT008A must be maintained by the original purchaser of the compressor unit. If the unit runs out of oil, this warranty is void. Failure to fully comply with this warranty and fully comply with the manual herein will also void this warranty. Parts shipped for warranty repairs shall only include ground freight charges for the first 6 months of the warranty period, thereafter, owner is responsible for all freight charges of parts shipped for warranty. Any and all express shipping charges of warranty parts would be at the owner's expense. Standard technical phone assistance is available during and after the standard warranty period.

**WARRANTY OPTION #5 - 6 YEAR EXTENDED PARTS WARRANTY WITH LIMITED LIFETIME PUMP WARRANTY OPTION:** WEEMS GLOBAL WARRANTS THAT EACH FLEXZILLA PRO STATIONARY COMPRESSOR UNIT AND PUMP TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP, 1 YEAR STANDARD PARTS AND LABOR AND AN ADDITIONAL 5 YEARS ON PARTS ALONG WITH LIMITED LIFETIME ON PUMP PARTS FROM THE DATE OF INVOICE/DELIVERY AS LONG AS SMART OIL MAINTENANCE KIT #FKIT026A (SMART OIL PUMP OIL AND FILTERS) IS USED TO MAINTAIN AIR COMPRESSORS EVERY SIX MONTHS OR 1,000 HOURS, WHICHEVER COMES FIRST. Annual proof of purchase of SMART OIL MAINTENANCE KIT #FKIT026A must be maintained by the original purchaser of the compressor unit. If the unit runs out of oil, this warranty is void. Failure to fully comply with this warranty and fully comply with the manual herein will also void this warranty. Parts shipped for warranty repairs shall only include ground freight charges first of the warranty period, there er owner is responsible for all freight charges of parts shipped for warranty. Any and all express shipping charges of warranty parts would be at the owner's expense. Standard technical phone assistance is available during and er the standard warranty period.

**Limited Lifetime Warranty - If the product has been discontinued at any point, the Limited Lifetime Pump warranty will last five years past the discontinued date. Warrantor has discretion to substitute parts with the current model for the five-year duration. In order to maintain Limited Lifetime Warranty status, the owner must adhere to the required maintenance schedule utilizing the SMART OIL MAINTENANCE KIT #FKIT026A.**

**WARRANTY SHALL NOT APPLY TO AND WEEMS GLOBAL SHALL NOT BE RESPONSIBLE NOR LIABLE FOR:**

- Routine service such as oil changes, filter replacements, gasket tightening to correct oil seepage or drive belt tightening and valve cleaning and are not covered under warranty.
- Consequential damages such as but not limited to cost of loss of business, product damage, or down time.
- Acts of nature, abuse, malicious destruction, improper maintenance, or undersized equipment.
- If the product is discontinued at any point, the Limited Lifetime Warranty will last five years past the discontinue date. WEEMS GLOBAL has discretion to substitute parts with current models for the five-year duration.
- Devotion from operating instructions or specifications.
- Labor charges for repairs or maintenance made by person(s) other than an authorized, approved service technician or any labor after the 1-year Standard Warranty expires.
- Normal wear and tear parts included but not limited to valves (intake/suction, check, blowdown, thermo, pop off, unloader), and ball valves. Belts, shaft seals, load/unloader solenoids, sensors.

Warranty shall be voided under the following conditions: Exposing electrical components to rain, water, installing the unit in a hostile environment such as acid vapors, any caustic or abrasive matter that may be ingested into the pump, or installing the unit in an enclosed area where lack of cooling ventilation is present, such as in boiler or equipment rooms where the ambient air exceeds 100°F.

Parts used for warranty purposes must be supplied by WEEMS GLOBAL. Warranty work should be performed by a WEEMS GLOBAL approved Technician. If any maintenance (other than routine maintenance) is performed by a non-approved Technician, written pre-approval must be obtained by WEEMS GLOBAL, to prevent voiding this warranty. Failure to fully comply with this warranty and fully comply with the manual herein will void this warranty.

FURTHER EXCLUSIONS FOR WEEMS GLOBAL FLEXZILLA PRO STATIONARY AIR COMPRESSORS INCLUDE: Failure to fully and completely follow the guidelines set forth in the manual. Of specific note is where a product is used where granite and/or concrete work is performed, or conditions are dusty, and the product is required to be housed in a separate room from the adverse conditions where the product has access to fresh air intake. FAILURE TO PROVIDE THIS DUST FREE OPERATING AREA VOIDS THE WARRANTY.

ALL WARRANTIES ARE NONTRANSFERABLE.

SERVICE: We provide top quality repair and parts for Flexzilla air compressors and air dryers. Our service trucks are equipped with high-quality parts and offer express shipping options for next day delivery. Our quick-response warehouse system and world-class service department meet customer parts and service needs. Contact our service department at [compressor@flexzilla.com](mailto:compressor@flexzilla.com) or 800-645-8258 x820, M-F 8am-5pm CST for warranty and service inform on. Service provided within the 48 contiguous states only.

FLEXZILLA and The Flexzilla Stylized X are both registered trademarks of Weems Industries, Inc.  
The color CHARTREUSE as applied to the body of the air compressor is a trademark of Weems Industries, Inc.  
Silencer™ Patented