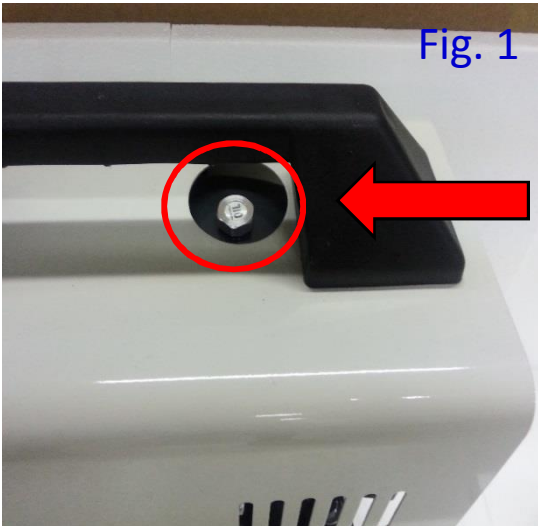


SilentAire 50-9D

Air Compressor Setup, Maintenance
and Troubleshooting Guide



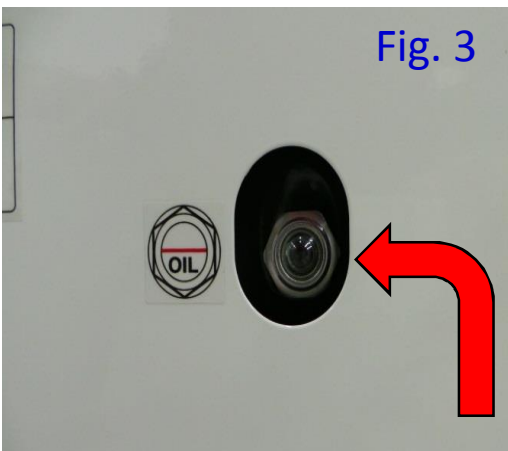
Fill Compressor Oil



Locate the oil fill bolt on the top of the air compressor (Fig. 1). Fill oil by removing oil fill bolt and fill through opening.



Compressor oil must be filled until oil level is at halfway in the oil level indicator. (Fig. 2&3)



Install Air Intake Filter



Locate the air intake at the rear of the compressor (Fig. 1). Unscrew the red shipping cap and remove air intake filter from the clear pouch.



Screw the air intake filter onto the air intake port fitting (Fig. 2).

Startup Procedure

Initial testing of the compressor is important to confirm that the compressor is healthy and system is free of air leaks prior to use.

Fig. 1



- Ç Make sure air tank is emptied of all pressure and compressor power switch is turned to **OFF**.
- Ç Adjust filter regulator pressure knob counter-clockwise until stopped (Fig. 1) to isolate compressor.
- Ç With a stopwatch on hand, turn compressor power switch to **AUTO** and time how long the compressor takes to fill the air tank to approximately 8 bar(116 psi) and automatically turn off. This should take approximately 1 minute, 25 seconds (+/- 10%).
- Ç Once the compressor has shut off, allow compressor to sit unused for 5 minutes to verify no air leaks are present.
** Upper gauge should be monitored to determine current air tank pressure.
- Ç Next, connect the air line from the filter regulator to the equipment and adjust regulator to proper outlet pressure. Once again, allow system to rest unused for 5 minutes to confirm there are no air leaks present in the rest of the system.
- Ç No more than 10 psi of air loss should be seen in this time. Any excess pressure loss indicates an air leak which must be repaired prior to use. **Failure to resolve air leaks may cause damage to the air compressor and void the compressor warranty.**
- Ç Once you have confirmed the system is leak free, your equipment and compressor are ready to use!

****If any issues are detected during the Startup Procedure, please contact Silentaire Technical Support immediately ****

SilentAire 50-9D

Compressor Maintenance

Drain Compressor Air Tank (Weekly)

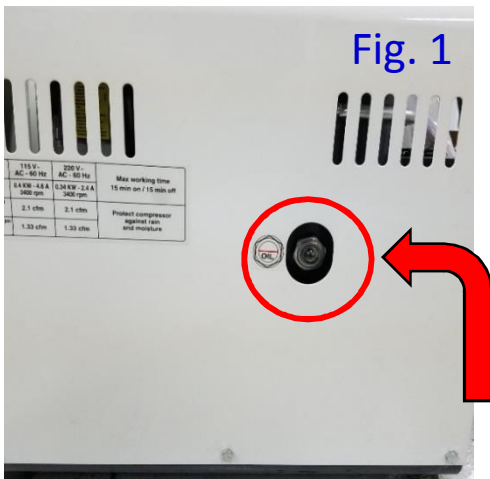
Condensation is a natural side effect of compressing air. But too much condensation left in an air tank for too long can cause issues. We recommend weekly draining of the air tank to prevent condensation build up.



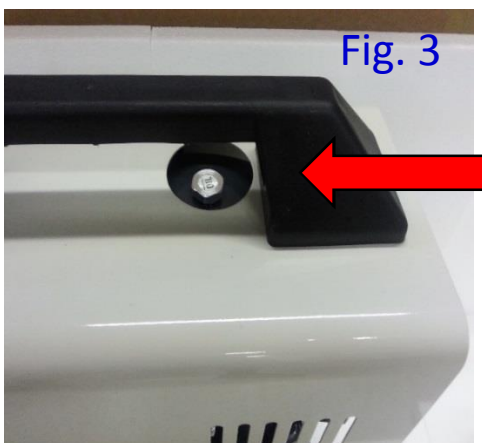
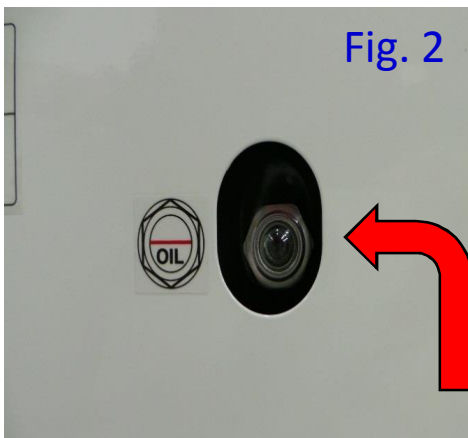
Turn the brass drain valve counter-clockwise to drain fluid from the air tank. Close valve after all fluid and air has been released.

Check Compressor Oil Level

(3 Months)



Locate the oil level indicator on the side of the air compressor (Fig. 1 & 2) and confirm the oil level is halfway in the indicator glass.



Fill oil as necessary by removing oil-fill bolt at the top of the compressor and fill through opening (Fig. 3).

Ordering Information

24 oz Bottle High Quality Synthetic Compressor Oil
Part Number – 15280

Replace Regulator Filter Element

(2 years)



Fig. 1

Locate Filter Regulator Assembly (Fig. 1). Make sure air compressor is turned OFF and air tank has been emptied of ALL air pressure.



Fig. 2

Remove clear cylinder from filter regulator (Fig. 2).



Fig. 3

Remove filter element from regulator (Fig. 3).

Regulator Filter Cont'd



Fig. 4



Fig. 5



Fig. 6

Remove spring from top of original filter and place into new filter (Fig. 4).

Install filter element (Fig. 5) and cylinder (Fig. 6) reverse of removal.

Ordering Information

5 Micron Moisture Filter Element

Part # C0164-2

Replace Air Intake Filter

(2 years)



Ç Locate the air intake filter at the rear of the compressor (Fig. 1) and replace annually. Unscrew filter counter-clockwise to remove, screw new filter clockwise to install.

Ordering Information

Air Intake Filter

Part # C1794

Troubleshooting

<u>Issue</u>	<u>Cause</u>	<u>Repair</u>
<u>Compressor is running continuously</u>	• Air leaks are present in system.	• Perform System Leak Test • Repair air leaks
<u>Compressor is overheating</u>	• Air leaks are present in system • Compressor oil level is low • Air tank needs to be drained	• Repair air leaks • Fill oil to proper level • Drain air tank weekly
<u>Compressor is cycling on too often</u>	• Air leaks are present in system • Air tank needs to be drained	• Repair air leaks • Drain air tank weekly
<u>Foul Odor in air system</u>	• Air tank needs to be drained • Incorrect oil in compressor	• Drain air tank weekly • Drain incorrect oil completely and fill with SilentAire oil.