

Mechanical Room Startup Procedures

Applies to Models:

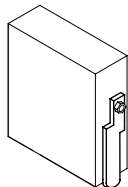
PowerAir®
P21, P22, P32, P52, P72
Classic Series®
CL21, CL22, CL32, CL52

Compressor

Note: These instructions outline basic startup procedures. For all technical information and user guides, visit our technical library at www.midmark.com/technical-library.

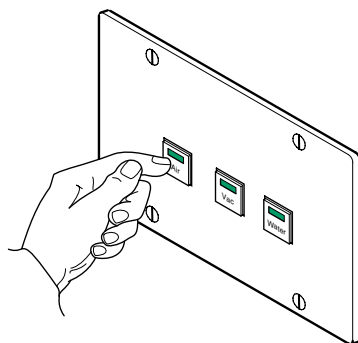
Step 1: Visual Check.

- Visually check the mechanical room to make sure there are no liquids or unusual moisture in the room.
- Verify that all hoses look to be connected properly.



Note

If the system is turned off at the breaker and/or is disconnected, it will need to be turned on or reconnected.

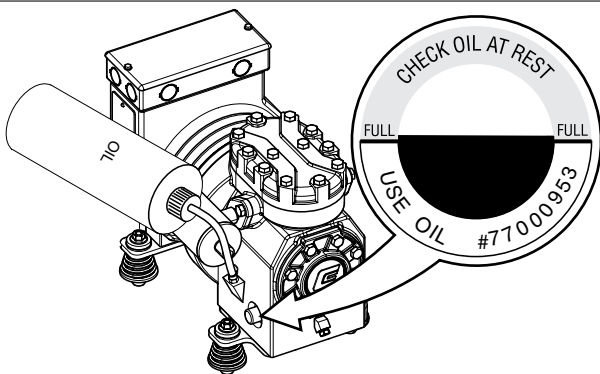


ArtHalf

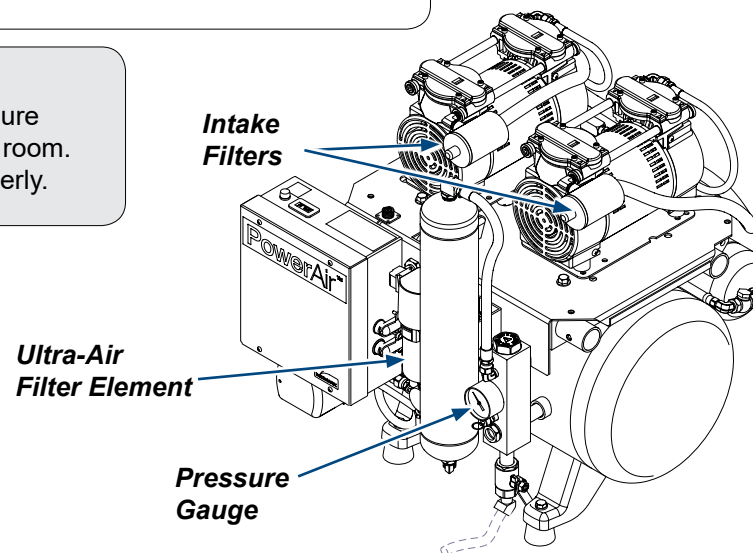
Classic Series Lubricated ONLY.

Step 2: Check Oil Level.

- Check oil level prior to running. Must be OFF for at least 5 minutes before checking.
- If necessary, add oil until level reaches FULL line. DO NOT OVERFILL!



ArtHalf



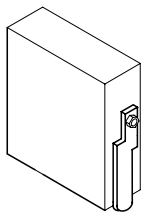
Step 3: Test Compressor.

- Be sure all water bottles are in place in your operatories. Then turn compressor system on using the air button on the wall panel.
- The compressor should build pressure up to 100 PSI then shut off. It may take several minutes. Listen for leaks.
- Check your records for when filters were last replaced. Schedule a technician to replace them if it has been more than a year.
- Contact your local dealer if your compressor is not working properly.

Note: Water bottles do not need to be filled at this time.

Note

Testing of the compressor system and the vacuum system should be done one at a time so that listening for any compressor leaks and/or vacuum leaks can be differentiated.

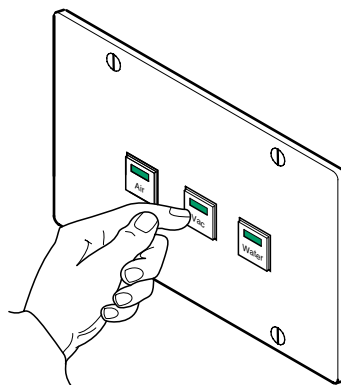


Note

If the system is turned off at the breaker and/or is disconnected, it will need to be turned on or reconnected.

Step 1: Visual Check.

- Visually check the mechanical room to make sure there are no liquids or unusual moisture in the room.
- Verify that all hoses look to be connected properly.

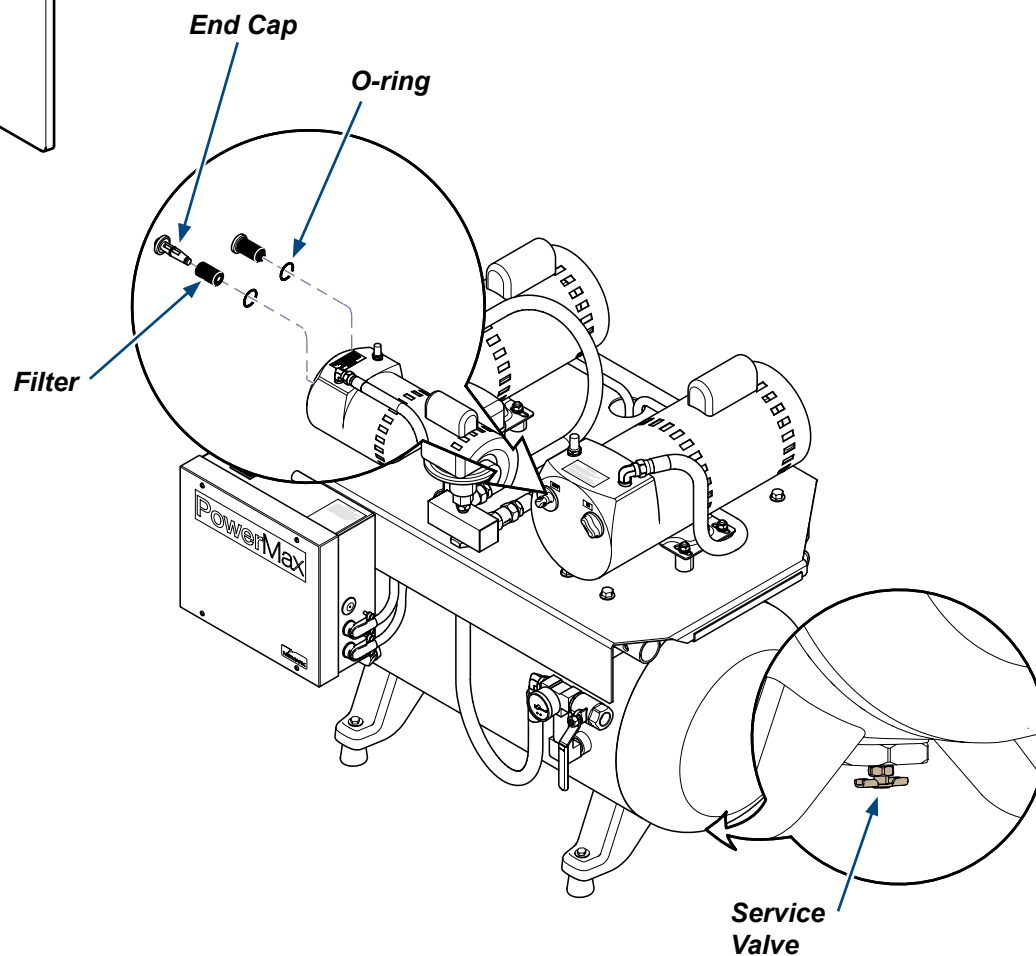


Step 2: Test Vacuum.

- Be sure to have your in-room suction canisters/collectors installed in each room. Then turn vacuum system on using the vac button on the wall panel.
- The vacuum should build up to approximately 20"Hg and shut off. Then turn back on when it drops to approximately 13"Hg. It may take several minutes to build up initially. Listen for leaks.
- Turn off vacuum and drain moisture from tank by opening the service valve.
- Check your records for when filters were last replaced and schedule a technician to replace them if it has been more than a year.
- Contact your local dealer if your vacuum is not working properly.

Note

Testing of the compressor system and the vacuum system should be done one at a time so that listening for any compressor leaks and/or vacuum leaks can be differentiated.

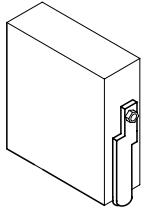


Step 1: Visual Check.

- Visually check the mechanical room to make sure there are no liquids or unusual moisture in the room.
- Verify that all hoses look to be connected properly.

Applies to Models:

PowerVac
P3, P5, P7, P6, P10, P14



Note

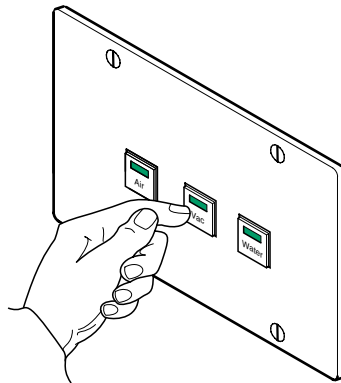
If the system is turned off at the breaker and/or is disconnected, it will need to be turned on or reconnected.

Step 2: Inspect Vacuum.

- Check the gear lube level. The level in the site glass should be between 1/3 and the full mark. If it is lower than 1/3 contact your local dealer.
- Inspect the vacuum relief valve filter. If it is excessively dirty, or it appears clogged contact your local dealer for a replacement.
- If vacuum has an amalgam separator, check the separator. Contact local dealer if unsure to replace or for a replacement.

Note

Testing of the compressor system and the vacuum system should be done one at a time so that listening for any compressor leaks and/or vacuum leaks can be differentiated.



ArtQ

Vacuum Level Gauge

Filter

On/Off Switch

Gear Lube Site Glass

Need to Add

Step 3: Test Vacuum.

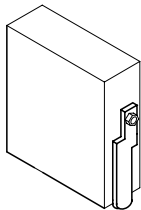
- Be sure to check that all high volume and saliva ejectors are closed in each operator.
- Turn vacuum system on using the vac button on the wall panel.
- Make sure the on/off switch on the PowerVac front panel is in the on position.
- The vacuum should build up to approximately 12"Hg to 18"Hg. Listen for leaks.
- Contact your local dealer if your vacuum is not working properly.

Step 1: Visual Check.

- Visually check the mechanical room to make sure there are no liquids or unusual moisture in the room.
- Verify that all hoses look to be connected properly.

Applies to Models:

PowerVac G
G3, G5, G7, G6, G10, G14



Note

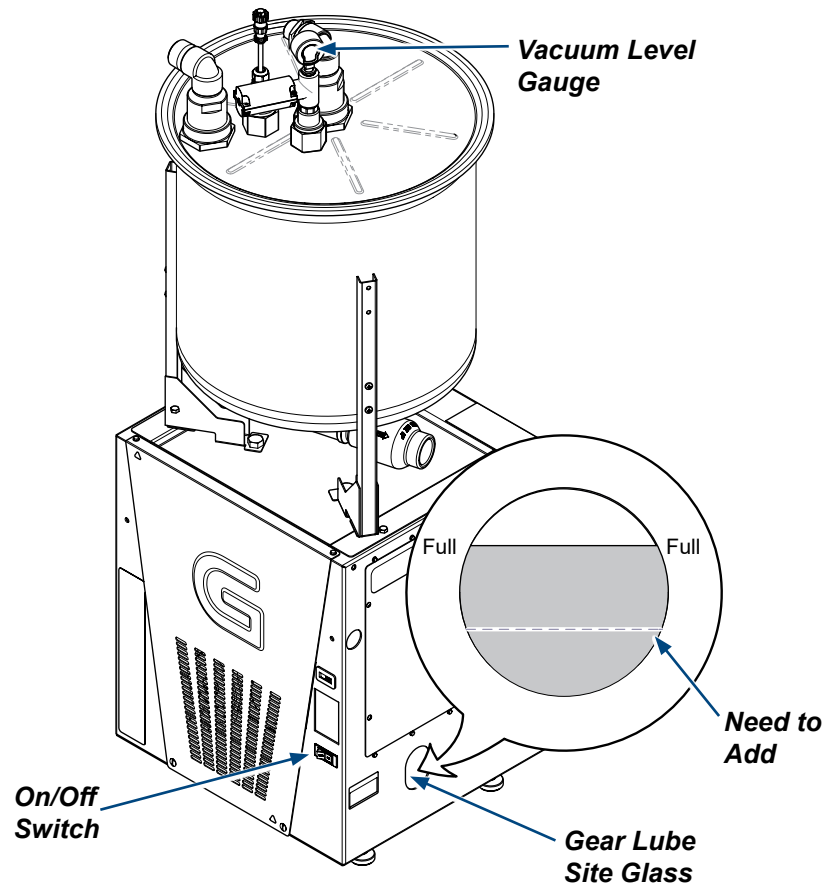
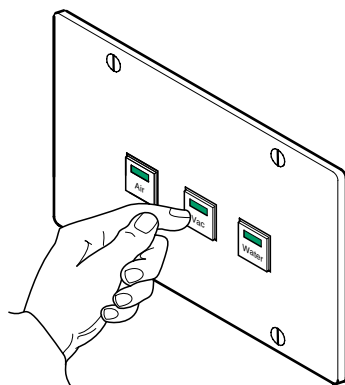
If the system is turned off at the breaker and/or is disconnected, it will need to be turned on or reconnected.

Step 2: Inspect Vacuum.

- Check the gear lube level. The level in the site glass should be between 1/3 and the full mark. If it is lower than 1/3 contact your local dealer.
- If vacuum has an amalgam separator, check the separator. Contact local dealer if unsure to replace or for a replacement.

Note

Testing of the compressor system and the vacuum system should be done one at a time so that listening for any compressor leaks and/or vacuum leaks can be differentiated.



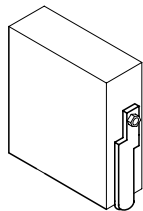
Step 3: Test Vacuum.

- Be sure to check that all high volume and saliva ejectors are closed in each operatory.
- Turn vacuum system on using the vac button on the wall panel.
- Make sure the on/off switch on the PowerVac G front panel is in the on position.
- The vacuum should build up to approximately 6"Hg to 18"Hg. Listen for leaks.
- Contact your local dealer if your vacuum is not working properly.

Wet-Ring Vacuum

Applies to Models:

Classic Series
C3, C5, C6, C10



Note

If the system is turned off at the breaker and/or is disconnected, it will need to be turned on or reconnected.

Step 1: Visual Check.

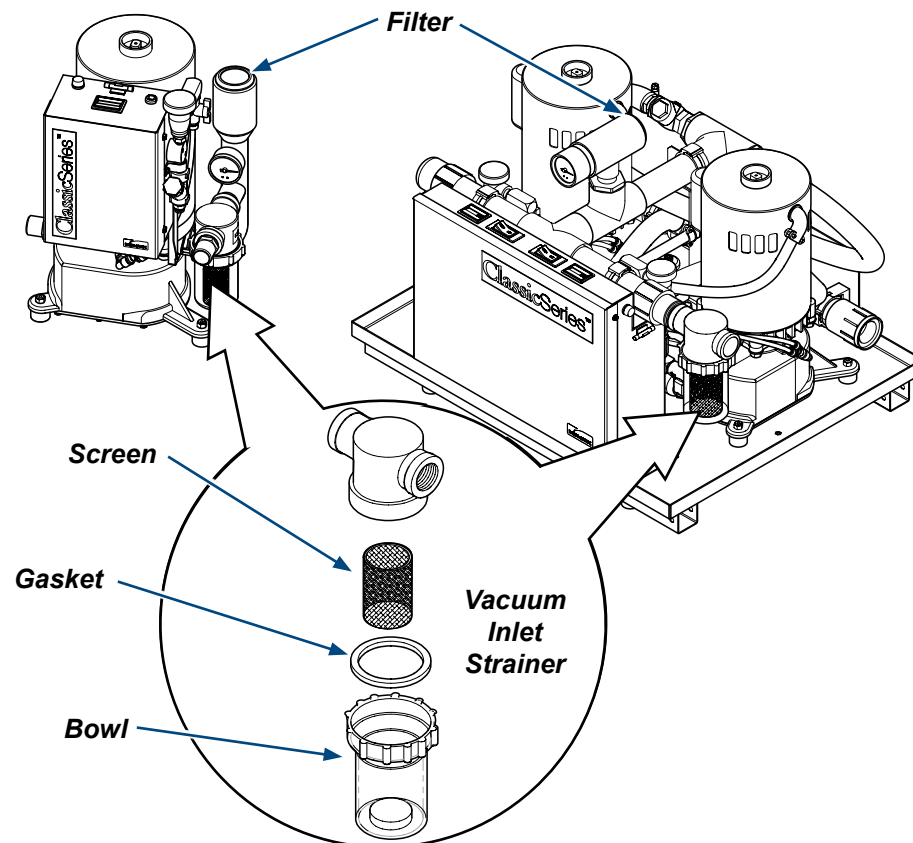
- A) Visually check the mechanical room to make sure there are no liquids or unusual moisture in the room.
- B) Verify that all hoses look to be connected properly.

Step 2: Inspect Vacuum.

- A) Check the vacuum inlet strainer. Vacuum must be "OFF" before removing, replacing and/or cleaning filter bowl, screen and gasket, then reassemble.
- B) Inspect the vacuum relief valve filter. If it is excessively dirty, or it appears clogged contact your local dealer for a replacement.
- C) If vacuum has an amalgam separator, check the separator. Contact local dealer if unsure to replace or for a replacement.
- D) If vacuum has a mineral reducer, check the reducer, contact local dealer if unsure to replace or for a replacement.

Note

Testing of the compressor system and the vacuum system should be done one at a time so that listening for any compressor leaks and/or vacuum leaks can be differentiated.



Step 3: Test Vacuum.

- A) Be sure to check that all high volume and saliva ejectors are closed in each operatory.
- B) Ensure water shut off system is turned on first by using the water button on the wall panel.
- C) Turn vacuum system on using the vac button on the wall panel.
- D) The vacuum should build up to approximately 10"Hg. Listen for leaks.
- E) Contact your local dealer if your vacuum is not working properly.

