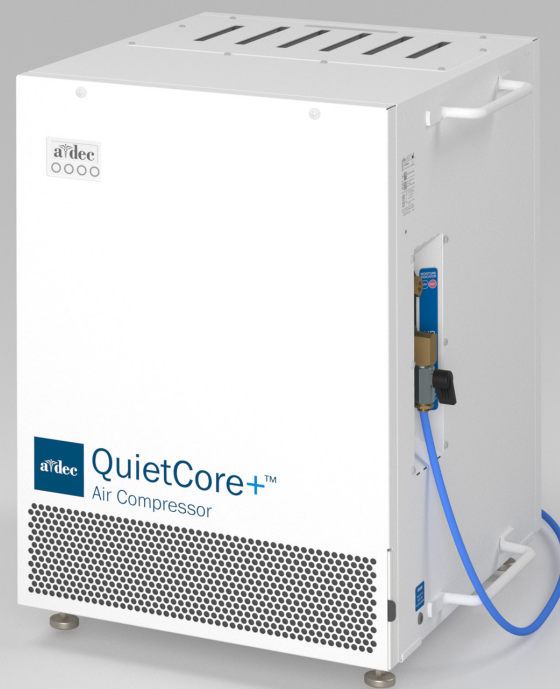


INSTRUCTIONS
FOR USE

A-dec® QuietCore+™

DENTAL AIR COMPRESSOR



a dec®

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Regulatory Information and Warranty

For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.



For quick access to this document online, scan, tap, or click this QR code, which points to: a-dec.com/regulatory-guide.

Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or +1.503.538.7478 worldwide, or visit www.a-dec.com.

Product Models and Versions Covered in This Document*

Models	Versions	Description
SC3plus/ SC5plus/ SC7plus/SC10plus/ SC12plus	n/a	Air Compressor

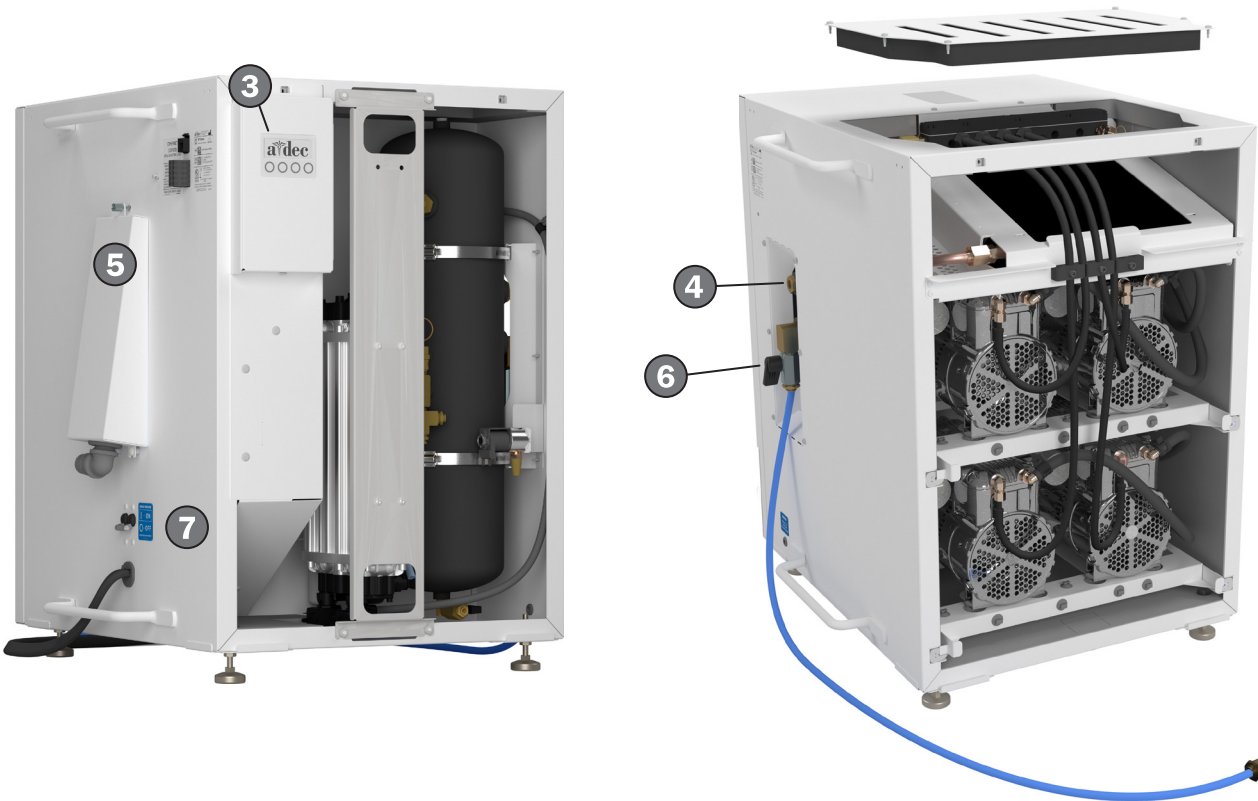
* Equipment shown in this document may include optional features or accessories. Some products, versions, and options in this document may not be available in certain regions.

Content Map



WARNING Do not open or remove the compressor's front and back panels. These are intended for qualified service technician access only and are removed from the systems below for informational purposes only.

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Safety Precautions

Safety Precautions



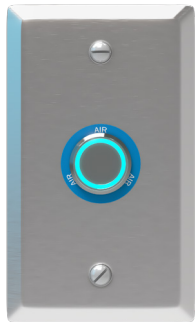
WARNING Failure to follow these safety and operation precautions can result in injuries or equipment damage.

The following safety precautions listed below must be observed:

- Read all instructions completely before operating the compressor.
- For installation, follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).
- Do not operate the compressor on a Ground Fault Circuit Interrupter (GFCI) protected circuit.
- Protect the power cable from coming into contact with sharp objects. Do not kink the power cable and never allow it to come in contact with oil, grease, hot surfaces, or chemicals.
- Do not attempt to remove any compressor parts without first relieving the entire system of pressure.
- Do not attempt to service any part while the compressor is in an operational mode.
- Do not operate the compressor at pressures in excess of its rating.
- Be sure that no tools, rags, or loose parts are left on the compressor or drive parts.
- Do not use flammable solvents for cleaning any parts.
- Maintain a clean workspace during maintenance and when making repairs. Use a clean piece of paper or cloth to cover and keep dirt away from parts and openings.
- Do not operate the compressor without the service panels in place.
- Do not operate the compressor in an environment that exceeds 104°F (40°C).
- Do not operate the compressor in areas where it might intake flammable or toxic fumes.
- Inspect the unit daily to observe and correct any unsafe operating condition.
- Compressed air is a hazard and can result in air embolisms if it enters the blood stream. Take care when using compressed air and only use air powered medical products consistent with their intended use and user instructions.
- Compressed air from this machine must not, under any circumstances, be used for food processing or breathing air without adequate downstream filters, purifiers, and controls.
- Always use an air pressure regulating device at the point of use. Do not use air pressure greater than the marked maximum pressure of attachment.
- Check hoses for weak or worn condition before each use, and make certain that all connections are secure.

Operate the Compressor

LED Push-Button Control
(single-button)

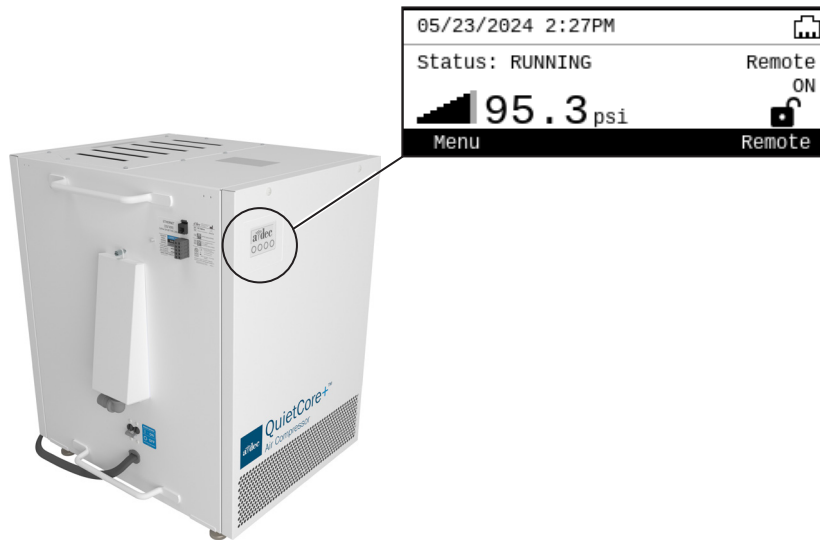


LED Push-Button Control
(four-button)



Optional LED Push-Button Controls

If you have LED push-button controls, press the button once to turn the compressor unit on or off. Blue LED lighting indicates that the compressor is on.



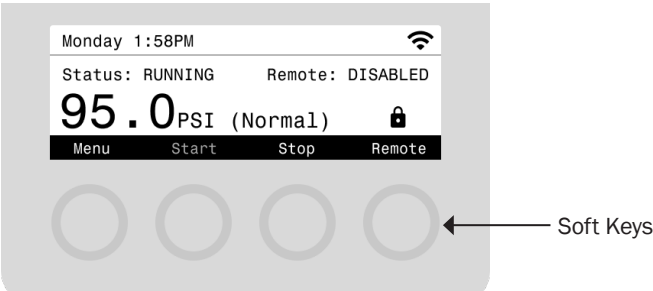
Turn the Compressor On/Off

Use the digital display (See “Digital Display” on page 4), located on the top panel of the compressor, to start and stop the compressor motor. Do not use the circuit breaker to turn off the compressor unless performing maintenance (see page 8).



NOTE In addition to hearing the motors and pumps operate, you may also hear other noises from the compressor. These are normal and come from the cooling fans and other components during various operational cycles.

Digital Display



NOTE If the screen is dark, the screen saver has been activated. Press any button to reactivate the digital display.

NOTE The digital display will default to the remote control enabled status after a power cycle.

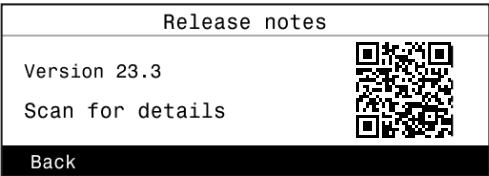
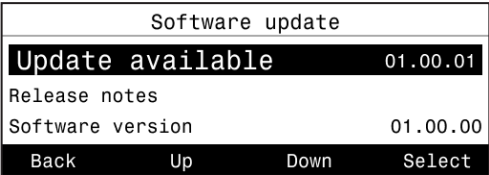
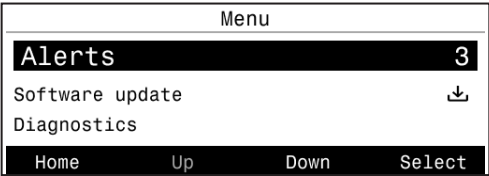
After initial startup, when the system is fully pressurized, the digital display will show a status of **RUNNING** when the pumps are operating in the normal range (86 — 106 PSI). The status **STANDBY** appears when the vacuum reaches the maximum operating pressure of 106 PSI, at which point the pumps turn off. The other status conditions include **STOPPED**, **DRYING**, **ADV DRYING**, and **PRESSURIZING**. Contact your authorized A-dec dealer if the pressure remains outside the normal range during operation.

Menu Options and Soft Keys

Use the four soft key buttons below the digital display to navigate through menus, to start and stop the compressor, and to lock or unlock remote access.

Button	Action
Menu	Press to open the screen that contains options including Alerts , Software Updates , Release Notes , Connection , and Diagnostics . The buttons change to Home , Up , Down , and Select . Use the buttons to navigate through the menu options and to make selections.
Start	Available only in Remote: Disabled . Press to start the compressor.
Stop	Available only in Remote: Disabled mode. Press to stop the compressor. The message Stop Compressor? appears. Confirm by selecting Yes or cancel by selecting No .
Remote	The statuses include ON , OFF , and DISABLED . • ON—Remote control is enabled, and the push button is in the On position. • OFF—Remote control is enabled, and the push button is in the Off position. • DISABLED—Remote control is disabled, local control is enabled.

Digital Display (continued)



Menu Options

The digital display has a number of menu options that allow you to monitor the compressor’s performance.

Menu Option	Description
Alerts	If the system has any alerts, a number will appear next to Alerts in the menu. Use the Up and Down buttons until the Alerts is highlighted; then press the Select button. Alerts include important warnings such as high temperature, low pressure, and pump faults. To clear an alert, see “Clear an Alert in the Digital Display” on page 6.
Software Update	Use the Up and Down buttons until Software update is highlighted; then press the Select button. The software update version available appears. Select Update > Confirm to run the update or press the Back button to return to the Menu options screen. (Note. You cannot use the compressor and digital device while a software update is running, and you cannot start a software update while the compressor is running.)
Release notes	Release notes are available under the Software Update menu. Use the Up and Down buttons until Release notes is highlighted; then press the Select button. A QR code appears. Scan the QR code with your device to open the release notes; then use the Back button to return to the Menu options screen.

Digital Display (continued)

Connection	
IP address	192.168.0.3
Connection type	Wi-fi
Wi-Fi signal strength	Excellent
Back	

Diagnostics status	
Pressure	98.2 psi (Normal)
Incoming voltage	236.7 V
System amperage	8.6 A
Back	Up Down

Menu Option	Description
Connection	Use the Up and Down buttons until Connection is highlighted; then press the Select button. Connection information including your IP address, connection type, and strength of Wi-Fi signal appears.
Diagnostics	Use the Up and Down buttons until Diagnostics is highlighted; then press the Select button. This screen contains three options: • Status—Provides sensor reading information for voltage, current draw, pressure, and temperature. • Component control—Allows the operator/technician to enable and disable individual board components. • Maintenance report—If the compressor has been registered with A-dec, maintenance information transmitted to A-dec+ will be used by technicians for diagnostics and troubleshooting.

Clear an Alert in the Digital Display

The following steps show how to clear an alert from the main menu of the digital display. You can also navigate to alerts from other screens.

1. Press the **Menu** button.
2. Use the **Up/Down** buttons to select the alert.
3. Press the **Select** button.
4. Use the **Next/Prev** buttons, if applicable, to display the alert you want to clear. A brief description of the alert appears.
5. Press the **View** button. Additional information about the alert appears, if available.
6. The **Clear** button will be available in the bottom right corner of the digital display if the alert can be cleared. Press the button to clear the alert.

Note. Not all alert types can be cleared. Alerts for ongoing conditions may reappear immediately after clearing.

Register the Compressor



For configuring connectivity features and to register your compressor, see the *A-dec+™ Software Platform Instructions for Use* (p/n 86.1030.00) at a-dec.com/connectivity-manual.



Air Filter/Regular Maintenance

Regular Maintenance Tasks



WARNING Before performing any maintenance function, use the circuit breaker on the compressor to turn off the compressor unit and disconnect main power to the compressor. Failure to do so may result in injury or equipment damage.

Do not open the front and back panels. That access is only for service technicians. Do not service the compressor for issues other than those described in this section, or you may risk injury or equipment damage. All other service requires a qualified service technician from your authorized A-dec dealer.



Regular Maintenance Tasks *(continued)*



To keep your compressor running smoothly, be sure to schedule a service checkup with your authorized A-dec dealer every year. See the table below for important recommended maintenance tasks.

Frequency	Item	Task/Procedure
Weekly	Digital display and moisture indicator.	Check the air pressure on the digital display. If it does not remain in the normal range after initial startup, contact your authorized A-dec dealer for service. Visually inspect the moisture indicator. Blue indicates normal operation. If the indicator is pink, moisture is in your compressed air. Contact your authorized A-dec dealer for service.
Monthly	Exterior case and tubing connections.	Use a dry, lint-free cloth to dust off and clean the exterior. Listen for any noticeable air leaks.

Regular Maintenance Tasks *(continued)*



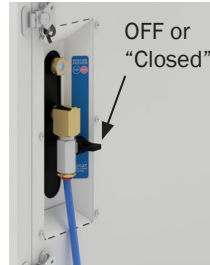
Frequency	Item	Task/Procedure
Yearly	Air filters: • Fresh air foam • Fresh air mesh • Ambient air screen	Replace the fresh air and ambient air filters once a year. Turn off power to the compressor before following these steps: 1. Loosen and remove the fresh air filter housing thumbscrew, then remove the housing to access the fresh air filters. 2. Pull out and replace the foam and mesh filters. Reinstall the housing. 3. Slide the ambient air filter out from the front service panel and replace. <i>*For air filter replacement, order the following maintenance kits:</i> • p/n A0050, for model SC3plus/SC5plus SC7plus/SC3.120plus/SC5.120plus • p/n A0150, for model SC10plus SC12plus
Every 5 years	Internal dryer cartridge	This task requires a service technician. Contact your local authorized A-dec dealer for the internal cartridge filter replacement.

Troubleshooting Tasks



WARNING Do not attempt to open or remove the compressor service panels. These are intended for qualified service technician access only.

The following table is intended to help you identify common issues with your compressor that may or may not require attention. For problems that require access to internal compressor components, always contact your local authorized A-dec dealer for service.

Condition	Potential Cause	Procedure/Remedy
Air pressure below the normal range of 86 PSI	Incomplete initial startup and pressurization.	Check the status condition on the digital display. If the status is PRESSURIZING , the compressor motors are still working to reach full pressurization. Wait 5 minutes for the compressor to complete the initial startup sequence, and check the status on the digital display. If the pressure is still below 86 PSI, contact your authorized A-dec dealer for service.
	A leak in the compressor, piping, or dental equipment.	Turn the air shutoff valve to the OFF (or “closed”) position to help identify if the air leak is within the compressor or external to the compressor.   With the valve closed (which shuts off the air supply to the treatment rooms), watch the digital display to see if the compressor has an internal leak. If you detect any leaks, contact your authorized A-dec dealer for service. Be sure to return the air shutoff valve to the ON (or “open”) position for normal operation.
Moisture indicator is pink	Dryer not cycling properly.	Contact your authorized A-dec dealer for service.
	Dryer cartridge past working life (5 years).	Contact your authorized A-dec dealer to remove and replace the internal dryer cartridge filter.
Excessive vibration	Worn vibration/tray isolators.	Contact your authorized A-dec dealer for service.



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