

Mechanical

A-dec QuietCore+®

Mechanical Room



A-dec+

a⁺dec

Make a power move in your mechanical room.

If your mechanical room stops working, you stop working. Don't take chances with the equipment that drives your practice.

A-dec® QuietCore+ oil-free compressors and dry vacuums are made specifically for the demands of the dental environment, delivering quiet, worry-free performance year after year. Innovative designs and connected technology integrate the capabilities you need today, with the flexibility to expand in the future.

Bring next-level reliability and efficiency to your practice with A-dec. Because what's behind the door matters.



a'dee QuietCore+
vacuum

a'dee QuietCore+
Air Compressor

OUT OF SIGHT, OUT OF MIND

The best mechanical room? It's the one you never have to think about, and your patients never have to see or hear. A-dec leverages leading-edge innovation for a mechanical room that's so quiet, responsive, and dependable, you can simply take it for granted.

FLEXIBLE PLACEMENT

Put your mechanical room practically anywhere you like. Compact footprints, stackable designs, and quiet operation mean more flexibility for your office layout—and more room to use for providing dental services.

SMART PERFORMANCE

Responsive technology adjusts in real time, channeling air and suction exactly where they're needed. On-demand performance saves money and energy, while maximizing airflow for aerosol management.

A-DEC+ CONNECTIVITY

Access a higher level of asset management with the A-dec+ updatable software platform. Get centralized equipment analytics on the use and long-term performance of your QuietCore+ compressor and vacuum.

ROOM TO GROW

Increase your mechanical room capabilities as your practice expands. With highly flexible configurations, you can easily upgrade a single unit or tie together multiple units.

BUILT TO LAST

Enjoy years of reliable performance with minimal maintenance. Your A-dec mechanical room equipment is backed with a 5-year warranty, so you can choose it with confidence.





A-DEC QUIETCORE+ OIL-FREE AIR COMPRESSORS

Generate clean, dry air. Not noise.

After reliability, noise levels might be the most important consideration for your mechanical room. A noisy compressor can impact everything from your mechanical room location to your patients' comfort.

With their compact design and oil-free operation, QuietCore+ compressors are considerably quieter than other brands. In fact, QuietCore+ compressors generate fewer decibels than a face-to-face office conversation—and include a built-in sound cover at no extra charge.

Another difference you'll appreciate is the advanced “on-demand” design. By ramping up only when air is required, QuietCore+ compressors combine quiet performance with maximum efficiency that helps extend the product life.

Noise levels dB(A)

Whisper	30 dB(A)
Dental washer/disinfector	70-78 dB(A)
A-dec QuietCore+ compressor	58.5 dB(A) for SC3plus up to 62.2 for SC12 plus
Normal conversation	60 dB(A)
Other dental air compressors without sound cover	76-78 dB(A)
Risk of hearing loss	70 dB(A)

Source: National Center for Environmental Health. Dental washer/disinfector dB(A) and average dB(A) for other air compressors based on manufacturers' specifications.



COMPACT AND MODULAR

Significantly smaller than other dental compressors, the space-saving design can be configured to stack a QuietCore+ dry vacuum or an additional QuietCore+ compressor on top (select models).

SMART PERFORMANCE

Leading-edge electronics automatically sense the number of active users, adjusting to meet air demand when and where it's needed. Managing the load evenly across motors extends compressor life.

A-DEC+ CONNECTIVITY

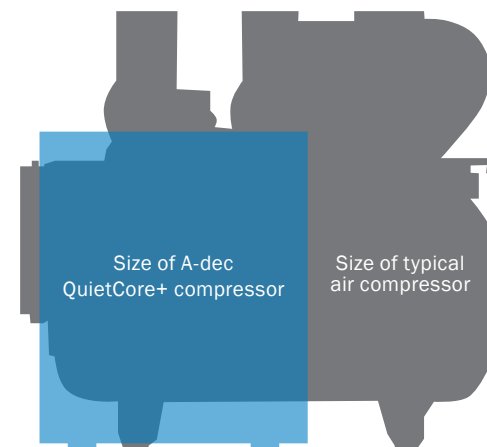
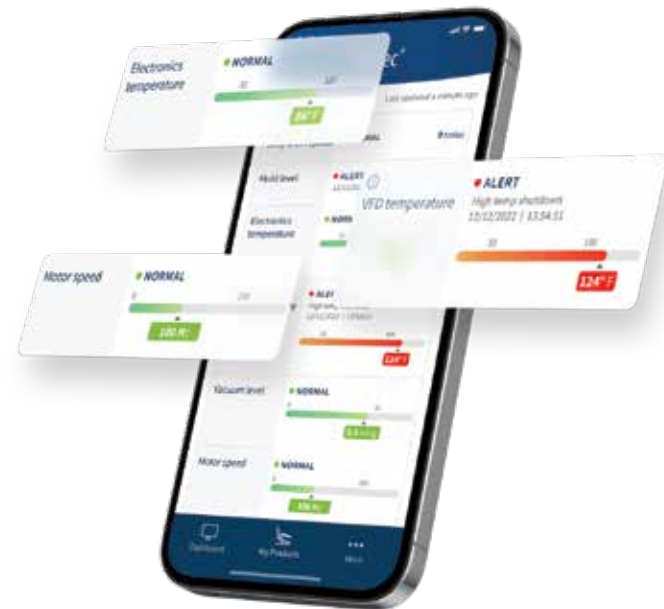
From centralized equipment analytics to easily accessible diagnostic data, the updatable A-dec+ software platform supports optimal mechanical room performance.

EASY SCALABILITY

As your practice grows, so can your compressor power. Easily upgrade the system size and capacity at any time to support more users.

LOW MAINTENANCE

Innovative drying and filtration cartridges only need replacement once every five years. And annual filter changes are fast and easy.



A-DEC QUIETCORE+ DRY VACUUMS

Powerful performance where it matters

QuietCore+ dry dental vacuums deliver the optimal combination of excellent suction and high-volume airflow. Their dual-impeller systems ensure a quick, powerful response right when you need it. And the variable speed technology adjusts based on real-time airflow demand, to support multiple aerosol-capturing devices operating at the same time.

Compared to wet vacuums that consume large volumes of water and electricity, QuietCore+ dry vacuums use fewer resources. And you won't have to worry about backflows, bacterial contamination, or aerosols recirculating into your office.

The perfect partner for your A-dec chair

If you have A-dec chairs in your operatories, you'll benefit even more with a QuietCore+ dry vacuum in the mechanical room. A-dec dental chairs are plumbed with 1" diameter internal tubing, to easily accommodate the high airflow generated by the vacuum. With no airflow chokepoints, aerosols are moved quickly out of the operatory—so you and your patients can breathe easy.



ULTRA-SMALL FOOTPRINT

With one of the smallest footprints in the industry, the QuietCore+ vacuum can be stacked on top of select QuietCore+ compressors to save additional space.

SAVE MONEY AND ENERGY

Variable speed technology uses less electricity than wet vacuums. And with reduced water and sewer costs, the vacuum can pay for itself over the life of the system.

SMART PERFORMANCE

Variable user technology senses the number of active users, adapting vacuum performance in real time to deliver suction and air flow exactly where you need them.

A-DEC+ CONNECTIVITY

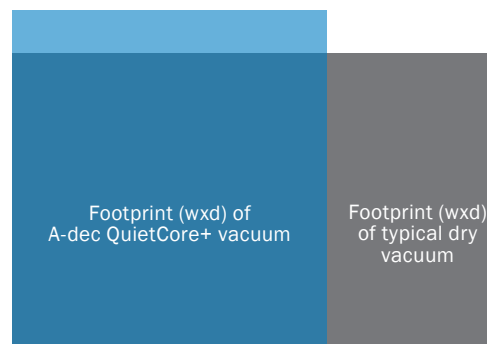
From centralized equipment analytics to easily accessible diagnostic data, the updatable A-dec+ software platform supports optimal mechanical room performance.

SIMPLIFIED SERVICE

Maintenance is as easy as using one service kit a year. The flat tank-lid design means the filter can be changed without removing the entire lid. And you'll never have to check, change, or add oil to the motor.

ENVIRONMENTALLY FRIENDLY

Made with the planet in mind, the vacuum works with any amalgam separation system, to help keep mercury out of wastewater.



STAY CONNECTED

Get extra peace of mind with A-dec⁺ software

The future of dentistry is connected—and a mechanical room enabled with A-dec⁺ will keep you ready for what's next.

As part of a larger digital ecosystem, A-dec⁺ gives you visibility into the use and long-term performance of your mechanical room equipment. Access everything from equipment diagnostics and mechanical room conditions.

A-dec⁺ offers a proactive, five-point process for your mechanical room.

- » Collects – recording key operating parameters
- » Stores – securely storing cloud-based data
- » Monitors – tracking data over the life of your equipment
- » Visualizes – displaying equipment operation in real time
- » Notifies – displaying alerts for each connected product on the app

And once you register on the A-dec⁺ app, new product features and enhancements will be available via software updates, so you can keep your connected A-dec mechanical room equipment up to date with just a click.

See what's new with A-dec⁺
mechanical room connectivity.
a-dec.com/mechanical-room



ESSENTIAL ADDITIONS



WATER CONTROL VALVE

Protect your practice from devastating water damage.

A-dec's state-of-the-art water control valve has an integrated filter and single-valve bypass. The 20-micron sediment filter cartridge reduces sand, dirt, scale, rust, and other contaminants that can harm water fixtures and your dental equipment.



LED PUSH-BUTTON CONTROL

Operate your air, vacuum, and water control valve with a single, convenient push-button control. Customize the button location to the place that best suits your staff, and your office layout.

Specifications

A-dec QuietCore+ Compressors					
Model	SC3plus	SC5plus	SC7plus	SC10plus	SC12plus
Recommended Users*	1-3	3-5	5-7	7-10	10-12
Dimensions (W/D/H)	23" x 24" x 28"	23" x 24" x 28"	23" x 24" x 28"	23" x 24" x 40"	23" x 24" x 40"
Level feet can change overall height up/down by .5"					
Weight (lbs)	160	186	200	264	285
PSI Range	86-106	86-106	86-106	86-106	86-106
Sound dB(A) Max**	58.5	58.9	59.5	60.4	62.2
Circuit Breaker Rating (Amps)	20	20	20	20	20
BTU/Hr Max	4,531	6,797	9,062	11,328	13,593
Voltage Rating	240V or 120V	240V or 120V	240V	240V	240V
Warranty	5 year	5 year	5 year	5 year	5 year

A-dec QuietCore+ Vacuums				
Model	DV5plus	DV7plus	DV10plus	DV12plus
Recommended Users*	1-5	5-7	7-10	10-12
Dimensions (W/D/H)	18" x 22" x 60"	18" x 22" x 60"	18" x 22" x 60"	18" x 22" x 60"
Level feet can change overall height up/down by .5"				
Weight (lbs)	181	181	217	217
Set inHg	8	8	9.5	9.5
Sound dB(A) Max**	64.4	70.9	71	76.2
Circuit Breaker Rating (Amps)	20	20	30	30
BTU/Hr Max	4,469	5,426	9,971	10,361
Voltage Rating	220-240V	220-240V	220-240V	220-240V
Warranty	5 year	5 year	5 year	5 year

*To increase capacity or add redundancy, order multiple models and the tandem install kit.

**Tested in a certified sound testing lab per ISO 11203 in a Hemi-Anechoic room

Reliable Creative Solutions

FOR DENTAL PROFESSIONALS WORLDWIDE



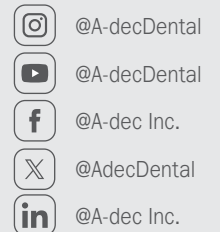
MORE THAN A WARRANTY. IT'S A COMMITMENT.

At A-dec, our focus is on making dentistry better—which includes superior customer service along with superior dental products. Your A-dec operatory equipment is backed by a 5-year warranty, and a lifetime of customer support. We'll be here today, tomorrow, and well into the future. That's our commitment to you.

For complete details, including exclusions, visit: a-dec.com/legal/warranty

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