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Mechanical Room



a-dec

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Dentistry has changed.
So has the mechanical room.

Running a dental practice is more complicated than ever. The last thing you need to worry about is the equipment that powers your operatories.

A-dec® mechanical room solutions deliver exceptional performance, quality and reliability. Responsive smart technology and innovative designs integrate the capabilities you need today with the flexibility to expand in the future.

Welcome to the next-generation mechanical room. Powered by A-dec.

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Dental PRODUCT SHOPPER BEST PRODUCT

"Very quiet machines, much quieter than my original equipment."

Ben Young, DMD

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OUT OF SIGHT, OUT OF MIND

"A-dec has the technology and sleek design I was looking for."

Emily Svetenoff, DMD

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 technology and design—for a mechanical room that's so quiet, efficient and reliable, you can simply take it for granted.

FLEXIBLE PLACEMENT

Put your mechanical room practically anywhere you like. Compact footprints, stackable designs and ultra-quiet operation give you total freedom for your dental office layout.

DESIGNED FOR DENTAL

Without reliable air and suction, treatment can be compromised. A-dec mechanical room equipment is made specifically for the dental environment, so you can practice with confidence.

RELIABILITY AND QUALITY

Enjoy years of reliable, worry-free performance with minimal maintenance. Optional remote monitoring confirms your mechanical room is running smoothly, for the peace of mind you expect from A-dec.

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.

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.

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OIL-FREE AIR COMPRESSORS

Generate clean, dry air. Not noise.

After reliability, noise levels might be the most important consideration for your mechanical room. With their compact design and oil-free operation, A-dec air compressors are considerably quieter than other brands.

In fact, A-dec oil-free air compressors generate fewer decibels than a face-to-face office conversation—and include a built-in sound cover at no extra charge.

Noise levels 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.



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COMPACT AND MODULAR

Significantly smaller than other dental compressors, the space-saving design allows you to stack a dry vacuum or additional compressors on top.

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.

INTELLIGENT CONTROLS

A full-control touch screen delivers real-time feedback on system performance and health. Optional remote monitoring ensures extra peace of mind.

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.

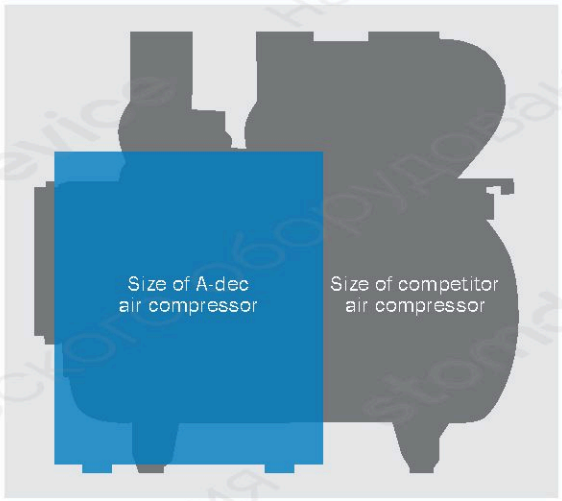
LOW MAINTENANCE

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











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DRY VACUUMS

A powerful choice for aerosol management.

Concerns about aerosols make the dental vacuum an essential piece of equipment for your practice. Historically, suction power was the standard measure of vacuum performance. But in terms of aerosol management, the airflow rate in cubic feet per minute (CFM) is a far more important factor.

If you're using large-bore HVEs to improve aerosol capture at the treatment site, a powerful vacuum with high CFM airflow is essential.

The A-dec dry dental vacuum uses Regenerative Side Channel Blower technology to deliver the essential combination of excellent suction and powerful airflow, moving high volumes of air quickly and efficiently—so you and your staff can feel comfortable in the operatory.

The perfect partner for your A-dec chair.

Any practice with A-dec chairs in the operatory will benefit with an A-dec dry vacuum in the mechanical room. When it comes to aerosol management, they're even better together.

A-dec dental chairs are plumbed with 1" diameter internal vacuum tubing. This large airflow capacity easily accommodates the high CFMs generated by the A-dec dry vacuum, to move aerosols quickly out of the operatory. With this powerful combination of A-dec equipment working together to manage aerosols, you can breathe easy.



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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 needed.

ULTRA-SMALL FOOTPRINT

Designed with the smallest footprint in the industry, the vacuum system can be stacked on the compressor to save additional space.

STRONG AND RESPONSIVE

Powerful dual-impeller systems ensure a quick, powerful suction response when engaged.

SAVE MONEY AND ENERGY

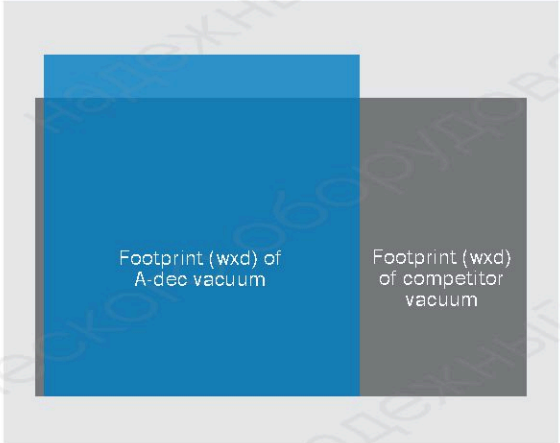
Variable speed technology consumes less power than wet vacuums. And with reduced water and sewer costs, the system can pay for itself over the life of the machine.

BUILT TO LAST

With just one moving part, the direct-drive motor lasts up to 20,000 operating hours without maintenance.

ENVIRONMENTALLY FRIENDLY

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







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EXTRA PEACE OF MIND

Problems in the mechanical room can bring your practice to an abrupt halt. Optional advanced A-dec tools and technology let you know everything is working just as it should be. So you won't have to worry about little issues turning into expensive breakdowns.



SMART SHIELD TOUCH SCREEN

See the operational status of your equipment at a glance with a simple, icon-based display that delivers accurate information throughout the day. A visual alarm alerts you immediately when maintenance is needed.

Manage and monitor with just a touch

- Visual display panel
- Current operational status
- Maintenance reminders
- Service indicators



REMOTE MONITORING & DIAGNOSTIC CHECK

Minimize potential downtime with a connected mechanical room. A-dec vacuums and compressors are enabled with remote monitoring capability that allows dealer service organizations to collect, record and upload key operating parameters. Our latest-generation products can be connected to A-dec Customer Service, giving our service experts remote access to provide a quick virtual diagnosis when needed.

A proactive, five-point process

Collect: Key operating parameters recorded

Store: Secure cloud-based data storage

Analyze: Data trends tracked over life of machine

Visualize: Graphs display operation in real time

Act: Notifications of fault and alarm conditions



REMOTE WATER CONTROL VALVE

Protect your office from devastating water damage with a state-of-the-art A-dec water control valve, and get these extra benefits:

Reduced contaminants

With an integrated filter and single-valve bypass, the 20-micron sediment filter cartridge reduces sand, dirt, scale, fine sediment, rust and other contaminants that can harm water fixtures and dental equipment.

Easy to use

A remote control panel lets you turn the valve on and off from a single location in the office. Available models interface with the A-dec SMART Shield Touch Screen (or any standard 24-volt push button control panel).

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SPECIFICATIONS

A-dec Oil-Free Air Compressors					
Model	**SC3/SC3.120**	**SC5/SC5.120**	**SC7**	**SC10**	**SC12**
Max. Users	3	5	7	10	12
Dimensions (W/D/H)	23" x 23" x 27.5"	23" x 23" x 27.5"	23" x 23" x 27.5"	23" x 23" x 39"	23" x 23" x 39"
Weight	149	177	193	265	279
PSI Range	86-106	86-106	86-106	86-106	86-106
Sound dB(A)	58.6	59.4	60.6	61.4	61.7
Amps	6/11	8.8/16.2	11.1	14.1	16.5
Voltage	215-240V/108-133V	215-240V/108-133V	215-240V	215-240V	215-240V
Warranty	5-year	5-year	5-year	5-year	5-year

A-dec Dry Vacuums				
Model	**DV5**	**DV7**	**DV10**	**DV12**
Max. Users*	5	7	10	12
Dimensions (W/D/H)	18" x 19.5" x 49.5"	18" x 19.5" x 49.5"	18" x 19.5" x 49.5"	18" x 19.5" x 49.5"
Weight	152	152	191	191
Set "Hg	10	10	10	10
Sound dB(A) Average	57.4	57.4	58.3	58.3
Sound dB(A) Max.	62.8	70.0	63.2	70.5
Full Load Amps	9.8	15	17	17
BTU/ Hr Max	5,700	6,800	8,700	10,436
Voltage	200-240 VAC	200-240 VAC	200-240 VAC	200-240 VAC
Warranty	5-year	5-year	5-year	5-year

*Models may be ordered as a twin to serve double the recommended users.

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THE NEXT-GENERATION MECHANICAL ROOM

Get powerful performance from equipment that's easy to install, simple to maintain, and fully backed by the A-dec 5-Year Warranty. Discover the next-generation mechanical room at A-dec.com.

"A-dec's compressor and vacuum are very efficient. I've never had any challenges running 12 operatories at once."

Kate Ratliff, DMD



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