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CLINICAL VACUUM AND AIR COMPRESSOR SYSTEMS



IMAGING | **UTILITY ROOM** | MERCHANDISE

THE TECHNOLOGICAL ADVANTAGE FOR DENTAL CLINICS AND UNIVERSITIES

AIR TECHNIQUES equipped for life®

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SUPERIOR TECHNOLOGY MATCHED WITH PERFECT SERVICE

Air Techniques sets the benchmark for both compressed air and vacuum systems.

As the leading manufacturer of dental air compressors and vacuum systems, we provide solutions for large practices, dental clinics and universities with several hundred treatment and simulation workstations. Ensuring you have the proper air and vacuum system is critical as they are the heartbeat of your practice.

Individual project planning

Having a consistent supply of compressed air and flow of vacuum is crucial for keeping the clinic or university up and running. This is why choosing a high performance, top-of-the-line system is important. Our service covers everything from consultation, planning, layout design, on-site installation and start-up of the compressed air and vacuum system, to after-sales training and maintenance.

Comprehensive and customized service

A customized project plan is necessary to ensure the system is precisely tailored to the user's needs. Our clinical air and vac systems have been designed to integrate seamlessly into your clinic, or university. We understand that each facility has its own unique needs; that's why our line of air and vac systems is completely customizable. Our knowledgeable team will assist you in creating the best configuration to meet your needs.



Consulting/ Planning

Good consulting and planning are the basis for the most appropriate configuration of vacuum and air compressor systems for your facility.



Selection of Systems

Consistent oil-free compressed air systems for extremely dry, high-quality air. Modern dental vacuum systems with advanced technology that reduce overspray.



Installation/ Customizing

Trained technicians will assemble and install your system while taking into account all safety regulations.



After Sales Support

After sales support is regularly available through our strong dealer network. Our knowledgeable technical support team can assist you with general inquires to ensure product maintenance.

ALL MODELS ARE BACKED BY A
2 Year Warranty

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THAT'S EFFICIENCY - COMPRESSED AIR AND VAC SYSTEMS FROM ONE SOURCE



Compressed air and vacuum

Air Techniques' powerful vacuum systems are designed to have an upstream central or integrated separation system. The highly engineered central compressed air units feature a refrigerant type dryer and cyclonic separator that can support up to 120 workstations each, such as the AirStar AS120. Experience cost saving advantages when you combine your compressed air and vacuum system.

Central remote monitoring

Monitoring your compressed air system has never been more convenient. The clinical visual display system (remote monitoring) is provided via a central monitoring system. This controls all compressed air systems by displaying information such as operating hours, filter replacement, error messages, and so on. Isolated contacts can also be used to connect to an existing central control center.

Extremely compact

The support frame for the compressed air and vacuum systems occupy a similar compact surface area. Their complimentary design provides advantages such as the ability to supply the specific number of units needed to match the number of treatment chairs and workstations. Saving both space and money, with many different varieties, your system is tailored to meet your specific needs.

Simplified maintenance and replacement parts

Designed to make maintenance and replacing parts simple. Each air compressor and vacuum system use the same model of intake filter. The intake filter is used in the vacuum systems as an exhaust filter, and as a vacuum filter for compressed air functions. A reminder will be displayed when it's time to change the filter; typically filters are changed after 3,500 hours of use.

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WE STRIVE TO PROVIDE THE BEST RESULTS FOR OUR CUSTOMERS

VACSTAR® WET VACUUM SYSTEMS



VacStar VS90

Stainless Steel Central Separation Tank

The Central Separation Tank collects all of the liquids from treatment stations and separates the liquids from the air. After this stage of separation, the air flows to the vacuum pumps while the liquids are sent to the Amalgam Separators. Automatic integrated flushing and disinfection also occur inside the central separation tank which thoroughly reduces the spread of germs in the tank.

Highly reliable, low power consumption

The vacuum motors are turned on and off automatically by sensors that detect operational times and required volume flow. This ensures that electrical energy is used effectively and economically. The programmable logic controller ensures consistently uniform use of the vacuum system, thereby increasing its overall service life and reliability. An electrical and mechanical auxiliary air valve provides additional cooling for the motors and consistent power.



Programmer Logic Controller

Flexible solutions to meet your needs

Air Techniques' vacuum and compressed air systems offer flexible solutions that are scalable for any number of treatment stations. The high-performance reciprocating piston compressors and side channel vacuums are precisely matched to the requirements by the intelligent Programmer Logic Controller (PLC). The PLC display system intelligently monitors all functions at a central control workstation, usually located in the technical room.

VacStar Wet Vacuum Systems

Part No.	Max. Users	Horsepower	Circuit Breaker	Voltage	Electrical Frequency	Pump Dimensions (W x D x H)	Tank Dimensions inch (Ø/H)
VS60	60	6.2 (x4)	60A	3ϕ 480V AC	60 Hz	70" x 46" x 53"	26/57
VS75	75	6.2 (x5)	70A	3ϕ 480V AC	60 Hz	70" x 46" x 53"	26/57
VS90	90	6.2 (x6)	80A	3ϕ 480V AC	60 Hz	70" x 46" x 53"	26/57

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CLINICAL VACUUM SYSTEM WITH CUTTING-EDGE TECHNOLOGY
MOJAVE® DRY VACUUM SYSTEMS



Mojave 4V15

High Performance Evacuation

- Continual, constant suction, regardless of the number of simultaneous users
- Virtually eliminate water consumption
- Dramatically reduce power consumption
- Provide for easy installation and even easier expansion of your Mojave system as you grow



Mojave Master Controller

Central Controller System
(Used with Mojave V15, 2V15, 3V15, 4V15)

Mojave's exclusive Master Controller (MMC) automatically adjusts the frequency of the pump(s) to maintain the required vacuum level depending on the needs of your dental facility.

- Conserves electricity and prolongs the life of your pumps
- Monitors and displays the pump frequency, vacuum level and temperature
- Balances the vacuum load equally across all running pumps
- Controls the Washout and diagnosis function

Mojave Dry Vacuum Systems

Part No.	Max. Users	Horsepower	Circuit Breaker	Voltage (Min/Max)	Pump Dimensions (W x D x H)	Tank Dimensions (W x D x H)
V15	15	6.2	40A	200-250 3ϕ	32.5" x 26" x 23.5"	25" x 23" x 42"
2V15	30	6.2 (x2)	40A (x2)	200-250 3ϕ	32.5" x 26" x 47" stacked	25" x 23" x 42"
3V15	45	6.2 (x3)	40A (x3)	200-250 3ϕ	32.5" x 26" x 47" stacked 32.5" x 26" x 23.5"	50" x 23" x 42" (side by side)
4V15	60	6.2 (x4)	40A (x4)	200-250 3ϕ	32.5" x 26" x 47" stacked x2	50" x 23" x 42" (side by side)
Master Controller♦	N/A	N/A	15A	205-240	11" x 3" x 10"	N/A

♦ One Master Controller for each system.

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SUPERIOR QUALITY FOR COMPRESSED AIR SYSTEMS

AIRSTAR® AIR COMPRESSORS



AirStar AS120

- Premium compressed air quality: oil-free, dry, hygienic (as per HTM 2022/DIN EN ISO 7396-1)
- Compressors automatically switch on and off according to compressed air requirements
- If one compressor breaks down, the next one automatically performs its tasks
- Compressor automatically starts up in less than 5 minutes to balance the compressor's base load
- Just one central vacuum filter for a complete station (e.g. AirStar AS120)

AirStar Air Compressor Systems

Part No.	Max. Users	Circuit Breaker	Voltage	Electrical Frequency	Noise Level w/cover at 5 bar* (dBA)	Noise Level w/out cover at 5 bar* (dBA)	Flow Rate at 5 bar* (L/min)	Compressor Dimensions (W x D x H)	Tank Dimensions (W x D x H)
AS60	60	40A	3ϕ 450 VAC	60 Hz	68	88	1800	47.2" x 39" x 37.4"	39" x 50.4" x 87"
AS120	120	60A	3ϕ 450 VAC	60 Hz	71	93	3600	50.4" x 39" x 71"	39" x 50.4" x 87"

* Equivalent to 72.5 psi

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