



MOJAVE MONITOR

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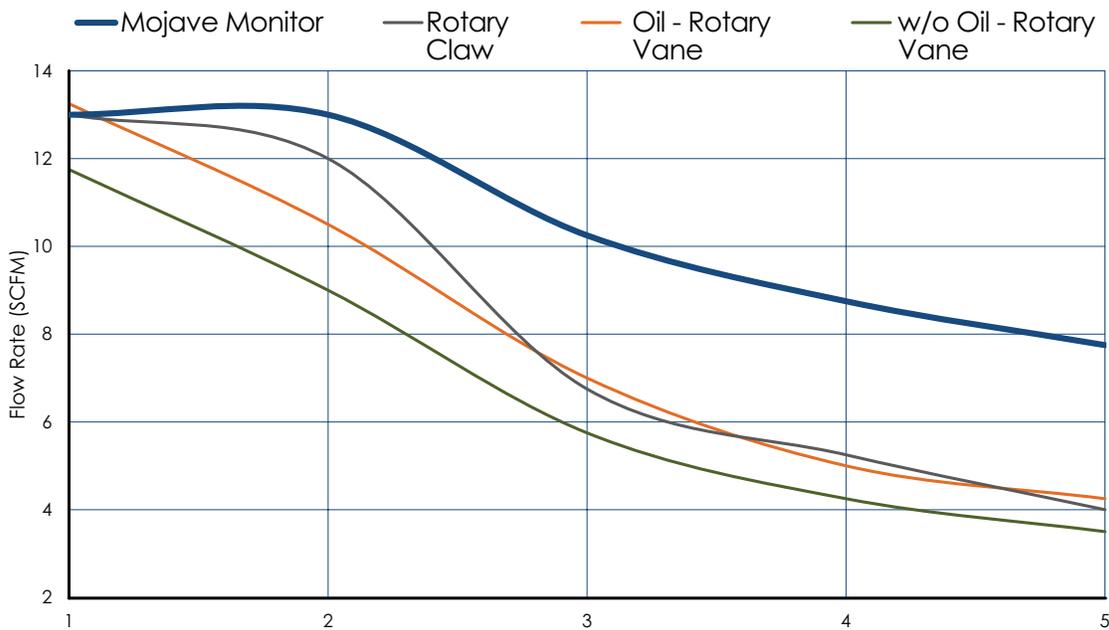
Superior Performance.
Energy Efficiency.
Smart.



**AIR
TECHNIQUES** equipped for life

Superior Evacuation

Flow Rate per # of Open HVEs



Mojave Monitor provides air flow rates that remain high even as more HVEs are being used. No matter how many users in your practice, Mojave Monitor delivers more flow than the competition.

The Smart Choice

Mojave Monitor dry vacuum systems are engineered to deliver outstanding performance with low operating costs and virtually no maintenance, all in a compact, space-saving design. Featuring intelligent technology like the Mojave Master Controller, a Variable Frequency Drive, and seamless integration with the VistaSoft Monitor IoT platform, Mojave Monitor ensures your vacuum system consistently provides optimal efficiency and reliability. Whether you are replacing an existing vacuum, updating your practice, or building a new facility, Mojave Monitor offers a smart, dependable solution to keep your operation running smoothly.



Mojave Master Controller and VistaSoft Monitor

The Mojave Master Controller (MMC-M) automatically adjusts the speed of the pump(s) to maintain vacuum level regardless of how many users come on-line. A vacuum transducer senses when an HVE or SE is opened, increasing the frequency of the 3-phase motor to quickly provide the flow rate needed on-demand.

- Monitors and displays pump frequency, vacuum level and temperature on a color touchscreen.
- Set vacuum level from 8 to 10 inHg (V15M models up to 15 inHg).
- Records the run time, in hours, of up to 4 connected pumps.
- Balances the vacuum load equally across all running pumps, prolonging the life of the pumps.
- Displays any error or fault codes and sends those codes to users through VistaSoft Monitor.
- Controls the tank washout and diagnosis functions.
- Allows remote monitoring and access through the VistaSoft Monitor Cloud platform.

VistaSoft Monitor Features:



- IoT Condition Monitoring system with web-based user interface (on web and mobile App: Apple & Android)
- Alarms and (pre-) warnings are reported immediately to the desktop and by email
- Remote access to practice equipment via Cloud: easy, safe and secure device configuration



Single Separation Tank



Continuum Tank

The Mojave Monitor Difference

Mojave Monitor uses a robust 10 gallon Separation Tank designed to capture evacuate and prohibit the ingress of fluids to the pump. A single stand-alone system is perfect for smaller practices, while Mojave Monitor's Continuum Tank offers uninterrupted vacuum operation for even the largest of clinics.

Essential Elements For A Longer Life

- Sound-reducing impeller design.
- 3-phase motor generates higher torque and less heat.
- Extended heat-resistant motor bearings.
- All wetted metal parts are nickel plated or stainless steel.
- High performance Aluminum air--exhaust heat exchanger.
- Tank drains evacuate when the pumps are turned off or the internal float switch is triggered.
- Optional water connection to take advantage of the Auto Tank Washout Cycle.
- With a Continuum Tank, one tank drains as the other tank fills.
- Rugged metal chassis securely mounts all components.
- Stackable with pump chassis for a fast and easy installation.
- Smart MMC-M controller ensures optimal performance based on vacuum demand.

Mojave Monitor's impeller design with staggered vanes to reduce noise



Ordinary impeller design

Variable Frequency Drive

Mojave Monitor's highly efficient regenerative pumps use our market-leading Variable Frequency Drives to deliver all the power and suction you require – but only when you need it!

- Pumps speed up as users come online to maintain constant suction.
- As HVEs and SEs are shut off, the pumps slow down, reducing power consumption.

V3M - TYPICAL PRACTICE



2V15M - LARGE CLINICS



For The Smallest Of Practices, To The Largest Of Clinics

Mojave Monitor is designed with high performance, high efficiency and low operational costs. Our V3M, V5M and V7M units are perfect for offices with just 3-10 simultaneous users. Choose between the economics of a single pump, or gain peace-of-mind with added redundancy from a dual-pump system. A small footprint enables easy installation in almost any facility. Big performance ensures the demands of every user are met.

The Mojave Monitor V15 series is designed for large practices, clinics and dental schools. A single pump can handle up to 15 simultaneous users and the system is fully expandable up to four parallel units supporting 60 simultaneous users.

- Highest flow performance vacuum.
- Dramatically reduces power consumption.
- Virtually eliminates water use.
- Easy installation, maintenance and expansion.

“Mojave dry vac was an easy choice for me. It consumes very little electricity and yet provides optimum performance. Air Techniques has designed a top-rate dry vacuum system in Mojave. In addition, my dental assistant loves the innovative self-rinsing system.”

- Matthew Hyde, DDS

“When I first built my office I had 3 operatories. Later we expanded up to 10 ops. I was able to add a second pump and a continuous tank without missing an hour of practice time. The expansion was so quick our vacuum was only down for 15 minutes during lunch. It was so easy!”

- Richard E. Bonati, DDS

Specifications

Part No.	Sim. Users	Horsepower	Panel Circuit Breaker	Voltage (+/- 10%)	Pump Dimensions W x H x D (in)	Tank Included	Tank Dimensions W x H x D (in)	Weights (lbs)
V3M	3-5	1.5	20(A)	220	25 x 17 x 21	MT10-M	29 x 33 x 22	Pump - 145 Tank - 75
V5M	5-7	1.5	20(A)	220	25 x 17 x 21	MT10-M	29 x 33 x 22	Pump - 145 Tank - 75
V7M	7-10	2.0	30(A)	220	25 x 17 x 21	MT10-M	29 x 33 x 22	Pump - 145 Tank - 75
2V3M	6-10	3.0	20(A) (x2)	220	25 x 34 [†] x 21	MT10-M	29 x 33 x 22	Pump - 145 (x2) Tank - 75
2V3MCT	6-10	3.0	20(A) (x2)	220	25 x 34 [†] x 21	CT20-M	29 x 42 x 23	Pump - 145 (x2) Tank - 150
2V5M	10-14	3.0	20(A) (x2)	220	25 x 34 [†] x 21	MT10-M	29 x 33 x 22	Pump - 145 (x2) Tank - 75
2V5MCT	10-14	3.0	20(A) (x2)	220	25 x 34 [†] x 21	CT20-M	29 x 42 x 23	Pump - 145 (x2) Tank - 150
2V7M	14-20	4.0	30(A) (x2)	220	25 x 34 [†] x 21	CT20-M	29 x 50 x 23	Pump - 145 (x2) Tank - 150
3V5M	15-20	4.5	20(A) (x3)	220	25 x 51 [†] x 21	CT20-M	29 x 50 x 23	Pump - 145 (x3) Tank - 150
4V5M	20-25	6.0	20(A) (x4)	220	25 x 34 [†] x 21 (X2)	CT20-M	29 x 50 x 23	Pump - 145 (x4) Tank - 150
V15M	15	6.2	40(A)	220 - 3 Φ	32.5 x 23.5 x 26	CT12-M	25 x 42 x 23	Pump - 250 Tank - 175
2V15M	30	12.4	40(A) (x2)	220 - 3 Φ	32.5 x 47 ^{††} x 26	CT12-M	25 x 42 x 23	Pump - 250 (x2) Tank - 175
3V15M	45	18.6	40(A) (x3)	220 - 3 Φ	32.5 x 47 ^{††} x 26 + 32.5 x 23.5 x 26	CT12-M & CT34-M	50 x 42 ^{†††} x 23	Pump - 250 (x3) Tank - 175 (x2)
4V15M	60	24.8	40(A) (x4)	220 - 3 Φ	32.5 x 47 ^{††} x 26 (x2)	CT12-M & CT34-M	50 x 42 ^{†††} x 23	Pump - 250 (x4) Tank - 175 (x2)
MMC-M ♦	N/A	N/A	15(A)	120* 220**	13.5 x 11 x 3	N/A	N/A	13

- ♦ One Master Controller for each system
- ♦ 220V Master Controller available (MT12 & CT22)

*MMC-M model for V3M, V5M & V7M systems

**MMC-M model for V15M systems

† Pumps/Tanks Stacked

†† Pumps Stacked

††† Tanks Side-by-side

Easy Maintenance

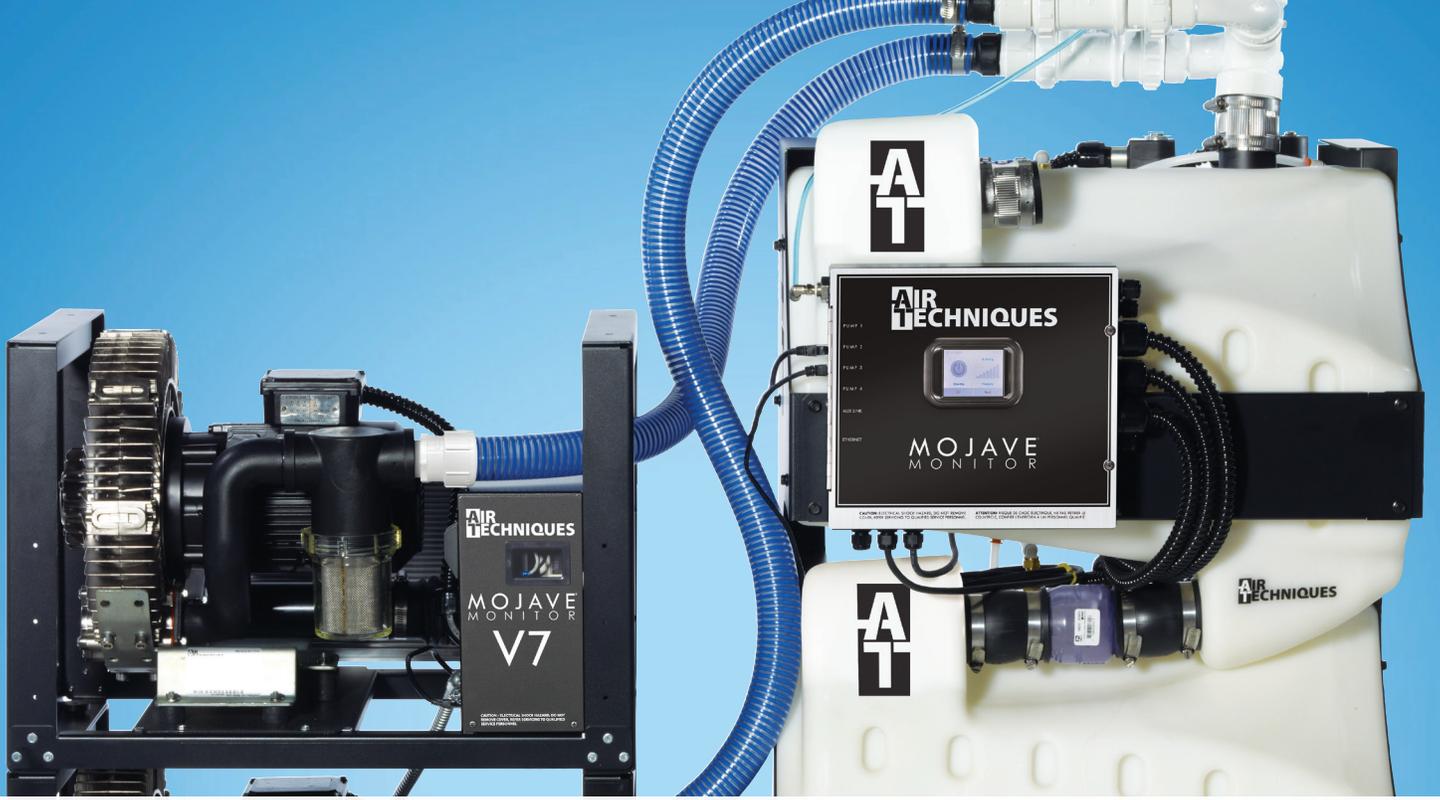
Mojave Monitor has been designed to make maintenance easy with no filters to replace or traps to drain.

CleanStream is the only evacuation system cleaner we recommend to break down and eliminate debris build-up that occurs in vacuum lines.



PN 57665

PN 57850



All Mojave Monitor Models Are Backed By A 5 Year Limited Warranty*

*Mojave Monitor motors are under warranty for 5 years

airtechniques.com

60 Years Of Proven Performance

60 years ago, Air Techniques introduced its first dental air compressor. Today, Air Techniques air compressors and vacuum systems are the standard for dental utility equipment. They are used to power more dental offices in North America than all other air compressors and vacuum systems combined.

Nearly two decades ago Air Techniques introduced one of the first dry vacuum systems in dentistry designed to reduce water usage by dental offices in response to the rapidly growing costs of water. Mojave Monitor is the next generation of dry vacuum systems from Air Techniques. Mojave Monitor Dry Vacuum Systems enable dental facilities from the smallest solo practitioner to the largest of clinics experience the suction power, reliability and eco-friendly benefits only dry vacuum systems can provide.

Air Techniques is the leader in dental air compressor and vacuum systems. Nearly 7 of 10 air compressors and 6 of 10 vacuum systems sold today are made by Air Techniques.



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TECHNIQUES** equipped for life