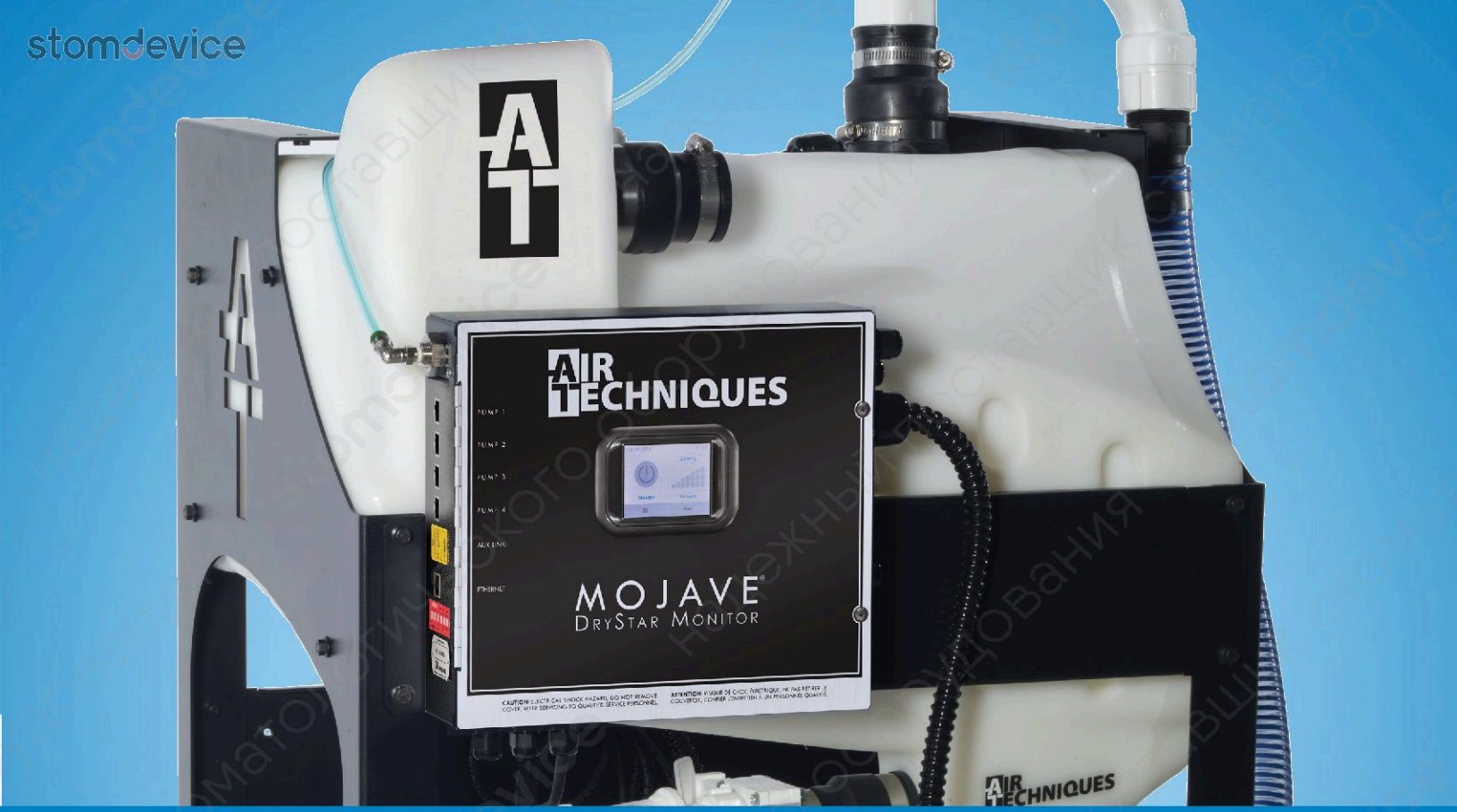
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MOJAVE DRYSTAR MONITOR

MOJAVE®
DRYSTAR MONITOR

Superior Performance.
Energy Efficiency.
Smart.

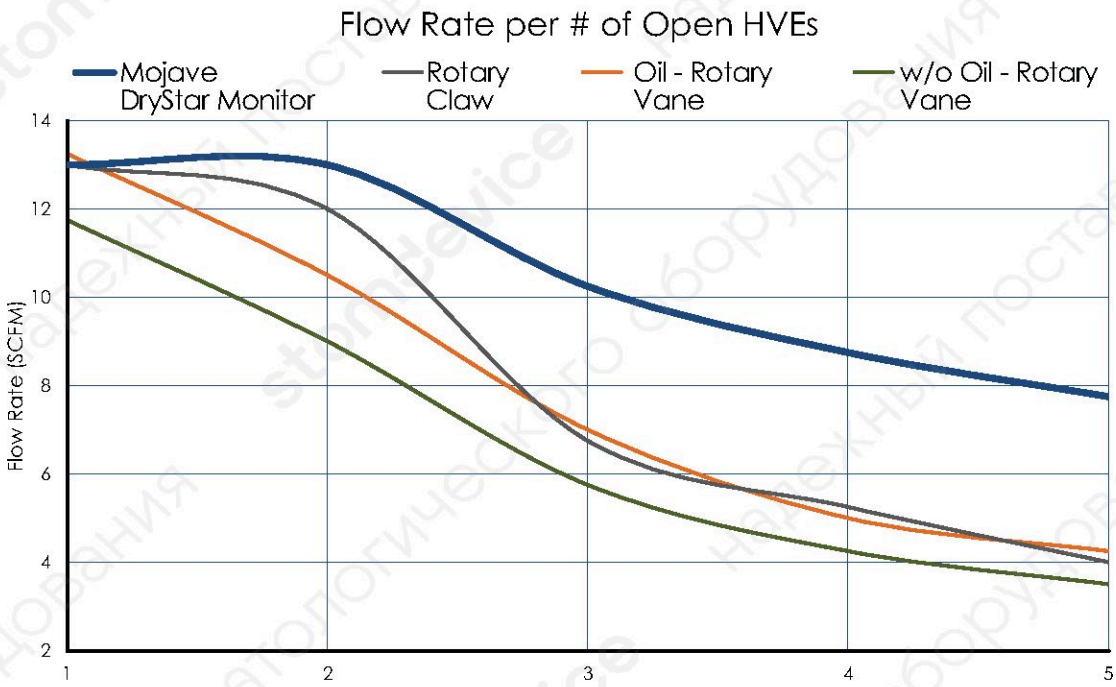
IoT
VISION MONITOR

AIR TECHNIQUES equipped for life®

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Superior Evacuation



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

The Smart Choice

Mojave DryStar Monitor dry vacuum systems are designed to provide high operational performance with low operating costs and virtually no maintenance, all in a compact footprint. Using intelligent components including a Variable Frequency Drive, the Mojave Master Controller, and direct integration with Vision Monitor IoT platform, you can feel confident your vacuum system will always deliver optimal performance based on your needs. Whether it's time to replace your current vacuum, considering the refurbishment of your practice or even building a new facility, Mojave DryStar Monitor is your ideal solution.



Mojave Master Controller and Vision 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 a 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/fault codes and sends error/fault codes to users through Vision Monitor.
- Controls the washout and diagnosis functions.
- Allows remote monitoring and access through the Vision Monitor Cloud platform.

Vision 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

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Single Separation Tank



Continuum Tank

The Mojave DryStar Monitor Difference

Mojave DryStar 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 DryStar Monitor's Continuum Tank offers uninterrupted vacuum operation for even the largest of clinics.

Essential Elements For A Longer Life


Ordinary impeller design

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

- 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.
- Aluminum high performance 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.

Variable Frequency Drive

Mojave DryStar 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.

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V3M - TYPICAL PRACTICE



2V15M - LARGE CLINICS





For The Smallest Of Practices, To The Largest Of Clinics

Mojave DryStar 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 DryStar 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

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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	29 x 33 x 22	Pump - 145 Tank - 75
V5M	5-7	1.5	20(A)	220	25 x 17 x 21	MT10	29 x 33 x 22	Pump - 145 Tank - 75
V7M	7-10	2.0	30(A)	220	25 x 17 x 21	MT10	29 x 33 x 22	Pump - 145 Tank - 75
2V3M	6-10	3.0	20(A) (x2)	220	25 x 34† x 21	MT10	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	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	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	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	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	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	29 x 50 x 23	Pump - 145 (x4) Tank - 150
V15M	15	6.2	40(A)	220 - 3Φ	32.5 x 23.5 x 26	CT12	25 x 42 x 23	Pump - 250 Tank - 175
2V15M	30	12.4	40(A) (x2)	220 - 3Φ	32.5 x 47†† x 26	CT12	25 x 42 x 23	Pump - 250 (x2) Tank - 175
3V15M	45	18.6	40(A) (x3)	220 - 3Φ	32.5 x 47†† x 26 + 32.5 x 23.5 x 26	CT12 & CT34	50 x 42††† x 23	Pump - 250 (x3) Tank - 175 (x2)
4V15M	60	24.8	40(A) (x4)	220 - 3Φ	32.5 x 47†† x 26 (x2)	CT12 & CT34	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 DryStar Monitor has been designed to make maintenance easy with no filters to replace or traps to drain.

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



PN 57665 PN 57850

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

*Mojave DryStar 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 DryStar Monitor is the next generation of dry vacuum systems from Air Techniques. Mojave DryStar 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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Green Business Bureau

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