



MOJAVE MOBILE

MOJAVE[®] MOBILE

The only extra and intraoral
vacuum solution

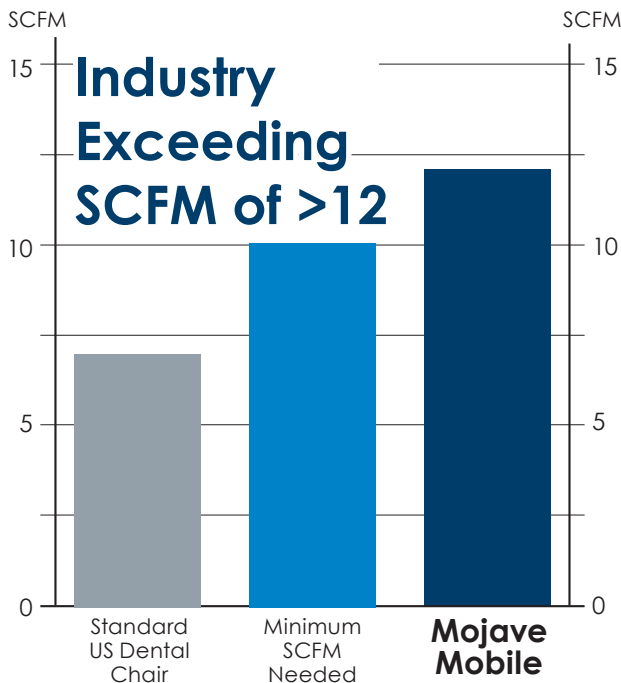
AIR
TECHNIQUES equipped for life[®]

2M/6.6Ft.

1M/3.3Ft.

The intraoral HVE removes the majority of aerosols in the patient's mouth.

To Remain Healthy – >10 SCFM Suction Volume is a Must!



A Standard US Chair has a suction performance of about 7 SCFM due to small piping, the control box, delivery unit, hose size and HVE diameter. To reduce the risk of an infection a minimum of 10 SCFM is needed. The powerful Mojave Mobile has the best performance available with more than 12 SCFM.



Aerosol can only be reduced by a strong vacuum pump*

"Therefore, we can assume, that independent utilization of a sonic or ultrasonic scaler, the resulting aerosol can only be reduced by a strong vacuum pump with a flow rate of 10.6 SCFM and a HVE with a diameter of 10 mm or more."



Criteria of air flow and negative pressure for high volume dental suction**

"The use of a flow rate of 300 liters/min or 10 SCFM which fulfill both these requirements (and: removal of spray and cooling) is recommended"



High suction volume of around 10 SCFM per clinician***

"The ADA-recommended method for controlling contaminated aerosol and splatter is the use of a large-bore high-volume evacuator. This study supports the ADA recommendation of use of a high-volume evacuator whenever ultrasonic scaling is performed."

* Tillner, (2019)

** Davies et al., (1971)

*** Barnes, J. B., Harrel, S. K., Rivera-Hidalgo, F. (1998)

The Best Performance in One Compact Package

Without the appropriate type of suction, cooling spray from handpieces and ultrasonic instruments cause an aerosol cloud that can spread throughout the entire operator. It is important that the aerosols are aspirated in Zone 1 (the patient's mouth), so that fewer aerosols are emitted into the room that need to be controlled.

The best of both worlds

The powerful dry vacuum and air/water/amalgam separation are combined onto one robust main drive shaft. With a total suction performance of >12 SCFM the Mojave Mobile diminishes and reduces the scope of aerosols clouds thereby reducing the spread of infection.

Pump is strong enough to operate the intraoral HVE and extraoral aerosol funnel at the same time.

Always work with an XL HVE from Air Techniques.

Mobile and flexible at every location

The Mojave Mobile is a super compact, transportable suction unit with an easy to clean fluid container. With the Mojave Mobile, Air Techniques offers a mobile and ready-to-use aerosol suction system that offers flexibility, as it does not need prior technical installation. Plug it in – get going!

100% Ready
Plug in –
Get Going

Mojave Mobile
provides more
than 12 SCFM

Comfort hose manifold

With 3 hose components: XL High Volume Evacuator, Saliva Ejector and Aerosol Funnel for efficient reduction of aerosol where it's created. In the patients mouth!

Keep
Ambient Air
Clean

Integrated exhaust bacteria filter HEPA-H13

To combat the spread of viruses within the clinic, Mojave Mobile is equipped with a HEPA quality exhaust air bacteria filter.

The Universita di Camerino has tested the exhaust air bacteria filter with test virus PhiX174 (25-30 nm) and confirmed a retention of greater than 99.99%. Filter quality HEPA-H13 according to EN 1822-1:2009.

Easy to change amalgam separator cartridge

This reliable system also has a built-in amalgam separator, so it is always ready to go. The separation rate is more than 99% (Separation rate by ISO 11143)



Possible Applications



Upgrade your office without touching your piping



Perfect Solution to designate one chair for the treatment of high-risk patients



Enhancing the flow for the last chair on your vacuum line



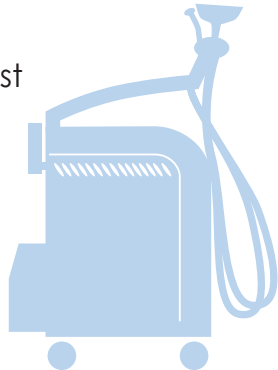
Backup solution when your office vacuum system is down



Mobile Dentistry (nursing homes, in-home care, specialized clinics)

KEY FEATURES

- Plug-and-Play. Only electricity is needed, no other connections or new piping necessary
- Dry vacuum technology that comes with built-in motor driven centrifugal amalgam separator
- Easy to use and clean integrated fluid container
- Bacteria filter for exhaust air outlet to reduce infection risk (HEPA H-13)
- Sound-absorbing hood for low-noise operation



Specifications

Mojave Mobile:	Aerosol Suction System w/ Amalgam Separator
Part Number	VMA1
Voltage (V)	120
Frequency (Hz)	60
Rated Power (HP)	1.1
Current consumption (A)	7
Max. flow rate (SCFM)	12.5
Vacuum (inHg)	5.3
Number of simultaneous users	1
Effective volume of fluid container (Gal.)	0.8
Effective volume of amalgam collection cartridge (Oz.)	5
Replacement interval of amalgam collection cartridge (months)	6-9
Dimensions (H x W x D) (in.)	35 x 14.5 x 25
Weight (lbs.)	85
Noise level ¹ [dB(A)]	ca. 54

¹ Total noise level depends on the room where installed. In a reverberant room (e.g. tiled walls) the noise level may be greater.



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