

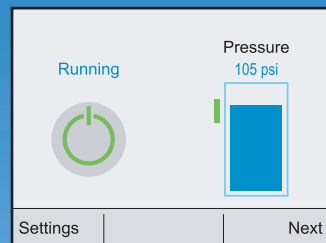


AIRSTAR | MOJAVE | VACSTAR

# Global Utility Room Equipment

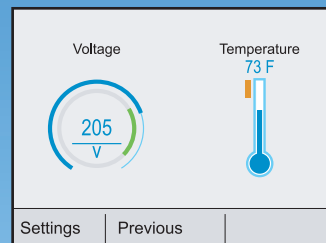
Oil-free air compressors.  
Water recycling liquid ring pumps.  
Energy efficient dry vacuum systems.

**AIR**  
**TECHNIQUES** equipped for life®



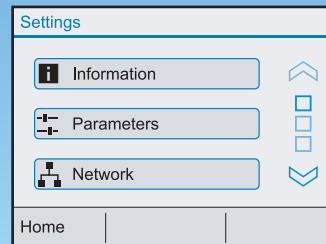
Settings | Next

Digital pressure display with cut-in/cut-out setting



Settings | Previous

Continuous voltage and temperature monitoring



Easy to navigate diagnostic settings menu

AIRSTAR<sup>®</sup> NEO

# AirStar Neo | In A Class All By Itself

The AirStar NEO series combines Air Techniques' exclusive Membrane Dryer Technology with a fully integrated diagnostic monitoring system. NEO is constantly monitoring itself, indicating when it's time for maintenance, and significantly aids in troubleshooting. Not only is there a touch screen for easy menu navigation, but included is our free NEO Pulse software that brings unprecedented connectivity from the utility room direct to your front office staff.

- 100% oil-free, ultra-dry air
- Membrane Dryer Technology
- Antimicrobial interior powder coated tank
- Full color touchscreen display
- Intuitive Navigation Menu for easy configuration and settings control
- Worry free preventative maintenance system keeps office staff informed
- Connects to your front office computers with included NEO Pulse monitoring software
- Solid-state electronics for higher reliability
- Smart head management prolongs motor life and reduces noise
- Virtually no maintenance - only an annual filter change
- Compact footprint to fit in any location
- Easy to service machine keeps your practice running with little-to-no downtime

## AirStar Neo Specifications

Part Number	Max. Users	Voltage (+/- 10%)	Frequency (Hz)	Dimensions WxHxD (cm)	L/M @ 5.5 BAR	Tank Size (L)	Power (kw)
AS12NEO-INT	2	220	50	67.5 x 75 x 51	71	38	0.8
AS22NEO-INT	3	220	50	67.5 x 75 x 51	142	38	1.2
AS30NEO-INT	4	220	50	67.5 x 75 x 51	142	38	1.5
AS40NEO-INT	5	220	50	78 x 82.5 x 53.5	212	60	1.9
AS50NEO-INT	7	220	50	78 x 82.5 x 53.5	283	60	2.4
AS70NEO-INT	10	220	50	122 x 82.5 x 53.5	425	102	3.6





AIRSTAR®

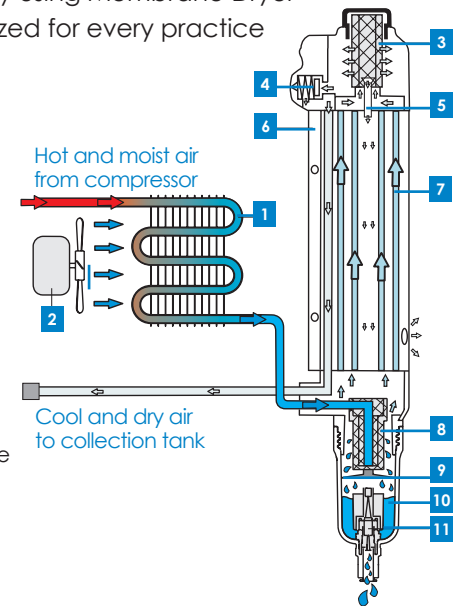
# AirStar | Stands Above The Rest

Air Techniques was the first major U.S. dental company to introduce oil-free compressors with desiccant drying over 40 years ago. Now Air Techniques is leading innovation by being the first dental company using Membrane Dryer Technology. With auto condensate drainage, these 100% oil-free compressors are sized for every practice from one to fourteen users.

## Membrane Dryer Technology

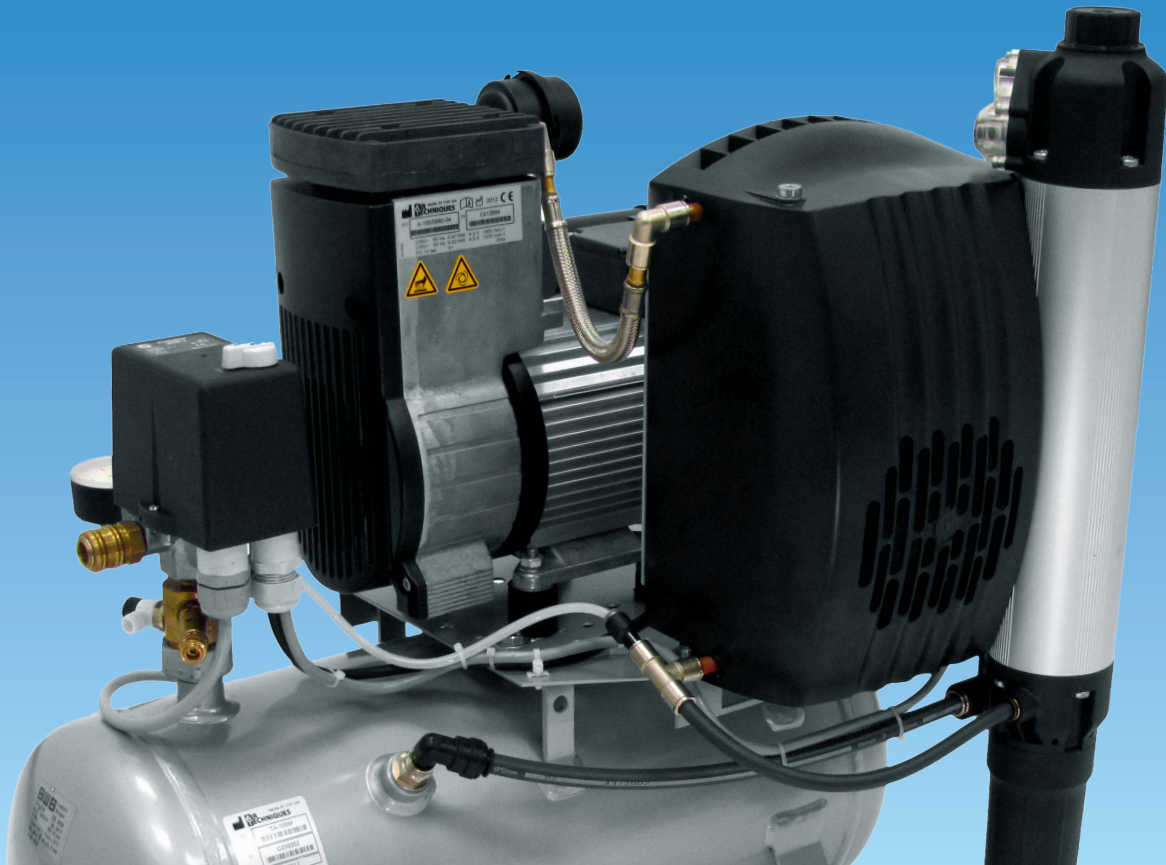
- 100% oil-free, ultra-dry air
- Membrane Dryer Technology
- Antimicrobial interior powder coated tank
- A low-pressure dew point eliminates damp conditions
- Stores compressed air at a humidity level of about 20% – lower than NFPA standards
- Air is compressed with a long-stroke, Teflon-bonded piston and brass-lined cylinder technology
- Default 85-115 psi (cut-in/out) pressure switch settings
- Sound cover available for all models

- 1 Cooling Element
- 2 Colling Fan
- 3 Fine Filter
- 4 Pressure Limiting Valve
- 5 Rinsing Nozzles
- 6 Membrane Dryer
- 7 Hollow Fiber Membrane
- 8 Coalescent Filter
- 9 Filter Umbrella
- 10 Condensate Water
- 11 Auto Drain Valve



## AirStar Specifications

Part Number	Max. Users	Voltage (+/- 10%)	Frequency (Hz)	Dimensions WxHxD (cm)	L/M @ 5.5 BAR	Tank Size (L)	Power (kw)
AS22INT	3	220	50/60	73.5 x 77.5 x 51	142	45	1.1
AS50INT	7	220	50/60	90 x 77.5 x 52	283	75	2.2
AS70INT	10	220	50/60	121.5 x 89 x 55	425	115	3.4
AS100	14	220 - 3Φ	50/60	117 x 89 x 63.5	566	115	3.6



AIRSTAR AERO

## AirStar Aero | Decades of Experience

Air Techniques has been developing and manufacturing a wide range of oil-free piston compressors for more than 50 years. One of our newest developments is a robust, high-performance "wobble piston" design. Integrated with our fully automatic membrane drying system, this compact compressor supplies clean and dry air of the highest quality.

### The Oil-Free Advantage

- 100% continuous running operation
- Extremely clean and dry air supply
- Low purge air consumption yielding high energy efficiency
- Low pressure dew-point  $\leq 5^{\circ}\text{C}$  ( $41^{\circ}\text{F}$ )
- Patented pressure control valve
- Long lifespan even when used at fluctuating pressures
- Maintenance-free operation  
– change filters only once per year
- Moisture separator with integrated auto condensate drainage (Model AERO-100M / AERO-200M only)

### AirStar Aero Specifications

Part Number	Membrane Dryer	Condensate Drainage	Voltage (V)	Power (Frequency)	L/M @ 5 bar	Tank size (L)	Weight (kg)	Dimensions WxHxD (cm)
AERO100	-	Manual	230	0.92 kW (50 Hz) 0.97 kW (60 Hz)	60	25	36	62 x 62 x 36
AERO100M	Included	Automatic	230	0.92 kW (50 Hz) 0.97 kW (60 Hz)	60	25	46	67 x 62 x 48
AERO200	-	Manual	230	1.37 kW (50 Hz)	120	25	48	62 x 64 x 36
AERO200M	Included	Automatic	230	1.37 kW (50 Hz)	120	25	54	67 x 64 x 48





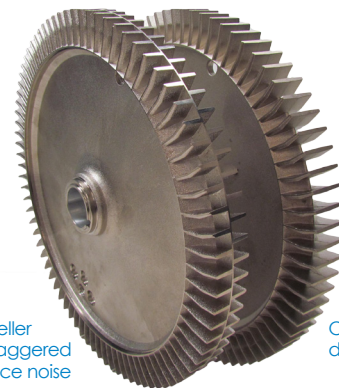
MOJAVE®

## MOJAVE | The Smart Choice

Mojave dry vacuum systems are designed to provide the highest operational performance with low operating costs and virtually no maintenance, all in a compact footprint. Our V3, V5 and V7 units are perfect for offices with just 3-7 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 15 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.

### 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
- Aluminum high performance air-exhaust heat exchanger
- Rugged metal chassis
- Pumps speed up as users come online to maintain constant suction
- Highest flow performance vacuum
- Dramatically reduces power consumption
- Virtually eliminates water use
- Easy installation, maintenance and expansion



Mojave's impeller design with staggered vanes to reduce noise

Ordinary impeller design

# Mojave Specifications

Part No.	Max. Users	Power (kw)	Voltage (+/- 10 %)	Frequency (Hz)	Pump Dimensions WxDxH (cm)	Tank Included	Tank Dimensions WxHxD (cm)	Weights (kg)
LT3	3	1.1	220	50/60	61 x 51 x 42	N/A	N/A	65
V3	3	1.1	220	50/60	63.5 x 53.5 x 43	MT12	74 x 56 x 84	Pump – 65 Tank – 35
V5	5	1.1	220	50/60	63.5 x 53.5 x 43	MT12	74 x 56 x 84	Pump – 65 Tank – 35
V7	7	1.5	220	50/60	63.5 x 53.5 x 43	MT12	74 x 56 x 84	Pump – 65 Tank – 35
2V3	6	2.2	220	50/60	63.5 x 53.5 x 86.5	MT12	74 x 56 x 84	Pump – 65 (x2) Tank – 35
2V3CT	6	2.2	220	50/60	63.5 x 53.5 x 86.5	CT22	74 x 58.5 x 106.5	Pump – 65 (x2) Tank – 68
2V5	10	2.2	220	50/60	63.5 x 53.5 x 86.5	MT12	74 x 56 x 84	Pump – 65 (x2) Tank – 35
2V5CT	10	2.2	220	50/60	63.5 x 53.5 x 86.5	CT22	74 x 58.5 x 106.5	Pump – 65 (x2) Tank – 68
2V7	14	3.0	220	50/60	63.5 x 53.5 x 86.5	CT22	74 x 58.5 x 106.5	Pump – 65 (x2) Tank – 68
3V5	15	3.4	220	50/60	63.5 x 53.5 x 129.5	CT22	74 x 58.5 x 106.5	Pump – 65 (x3) Tank – 68
4V5	20	4.5	220	50/60	127 x 53.5 x 129.5	CT22	74 x 58.5 x 106.5	Pump – 65 (x4) Tank – 68
V15	15	4.6	220	50/60	84 x 66 x 61	CT12	63.5 x 58.5 x 106.5	Pump – 115 Tank – 80
2V15	30	9.2	220	50/60	84 x 66 x 119.5	CT12	63.5 x 58.5 x 106.5	Pump – 115 (x2) Tank – 80
3V15	45	13.9	220	50/60	165 x 66 x 119.5	CT12 & CT34	127 x 58.5 x 106.5	Pump – 115 (x3) Tank – 80 (2x)
4V15	60	18.5	220	50/60	165 x 66 x 119.5	CT12 & CT34	127 x 58.5 x 106.5	Pump – 115 (x4) Tank – 80 (x2)

VACSTAR VIPER®

## VacStar Viper | Supreme Suction Power

VacStar Viper combines the suction machine with the separation process into one unit. Vacuum generation and the air/water separation of the evacuate mixture are both carried out simultaneously using a single, robust drive shaft. The integrated water pump draws the fluid out continuously, and Viper can handle large amounts of fluid without difficulty.



## VacStar Viper Specifications

Part No.	No. of Treatment Chairs	Vacuum @250 L/min	Frequency (Hz)	Power (kw)	Current (A)	Noise Level (dBa)	Weight (kg)	Dimensions WxHxD (cm)
VIPER100-50	1	90 mbar @ 250 L/min	50 Hz	0.8	5.5	64	13	32 x 28 x 28
VIPER100-60	1	90 mbar @ 250 L/min	60 Hz	1.1	4.8	66	13	32 x 28 x 28





VACSTAR® & VACSTAR® NEO

# Vac Star | Keeps Your Practice Pumping

VacStar liquid-ring pumps have dependably been the most robust and compact dental vacuum systems for over four decades. VacStar NEO liquid-ring vacuums feature a variable frequency drive (VFD) pump delivering high performance, quiet operation utilizing the latest in water and energy saving technology. The internal axial flow impeller requires less water than ever before while delivering consistent vacuum levels based on-demand from a VFD system that only ramps up to full power when it needs to. VacStar classic consistently delivers high performance, with less water, for an economical solution to your dental vacuum needs.

- Oil-free motor and VFD pump deliver high performance and quiet operation
- VFD pump uses on average 70% less electrical energy than conventional pumps
- Save an average of 7,000 kilowatt hours of energy each year
- Axial flow impeller design uses 85% less water than conventional liquid-rings
- Push-button vacuum level setting
- Digital vacuum stabilizer eliminates the need for a mechanical relief valve
- LCD displays error codes for easy troubleshooting diagnostics
- Recycles water and scavenges nitrous simultaneously with combined air/water separator
- Dual pump models operate independently for reassuring backup redundancy

## VacStar & Vacstar Neo Specifications

Part Number	Max. Users	Voltage (+/- 10%)	Frequency (Hz)	Dimensions WxHxD (cm)	Water Flow Rate (L/min)	Power (kw)	Weight (kg)
VS40	3	220	50/60	28 x 43.5 x 28	2.8	1.5	40
VS80	7	220	50/60	71 x 56 x 40.5	5.7	3.0	90
VS80H	7	220	50/60	71 x 63.5 x 40.5	1.4	3.0	95
VS20NEO	2	220	50/60	30.5 x 47 x 30.5	.5	0.8	30
VS40NEO	3	220	50/60	30.5 x 47 x 30.5	.5	1.5	30
VS50NEO	4	220	50/60	71 x 53.5 x 43.5	1.0	1.5	75
VS80NEO	7	220	50/60	71 x 53.5 x 43.5	1.0	3.0	75





[airtechniques.com](http://airtechniques.com)

## Over 50 Years Of Proven Performance

More than 50 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.

You can count on the expertise of Air Techniques to provide you with highly engineered air and vacuum systems full of benefits to enhance your practice. As always, you can depend on Air Techniques for the best customer service and technical support. From design to install, Air Techniques is there every step of the way.

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



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TECHNIQUES** *equipped for life®*