



VACSTAR | VACSTAR NEO

VACSTAR® & VACSTAR® NEO

More Performance.
Less Water.
Less Energy.

AIR
TECHNIQUES equipped for life®

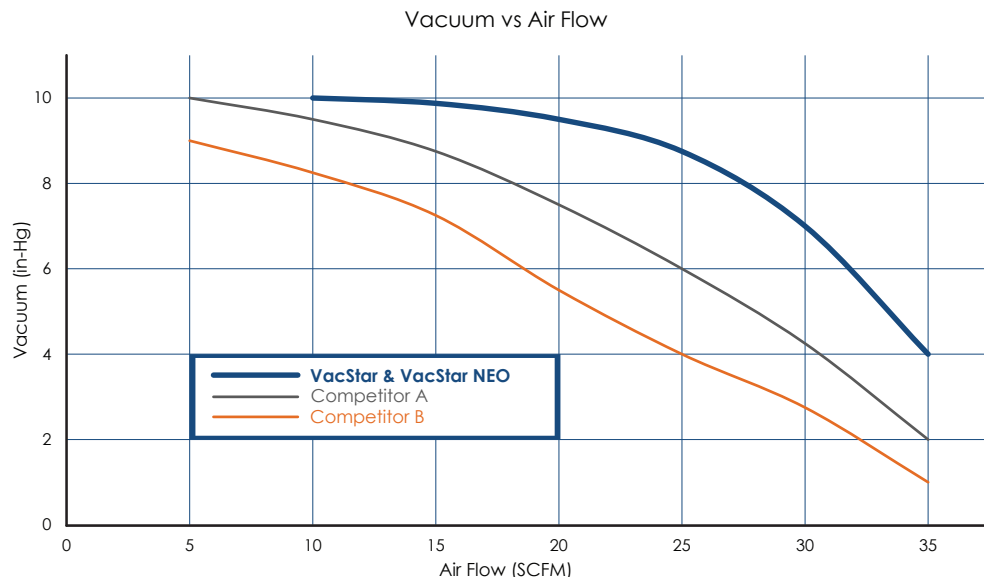


Powering Your Practice

VacStar liquid-ring vacuums have been trusted by dentists since 1986 and still deliver best-in-class performance. The VacStar and VacStar NEO systems allow dental offices to consistently obtain the highest suction power while maintaining a space-saving, compact design. With water and energy savings in mind, our liquid ring vacuums are designed specifically to reduce your utility bill and promote an eco-conscious operating environment for your business. Both VacStar series can be sized to fit any practice from one to seven users and are fully expandable for even larger practices.

Go With The Flow

VacStar and VacStar NEO power dental clinics more effectively with significantly higher air flow and much less water when compared to the equivalent level of the competition.





Custom
Designed
VFD Motor

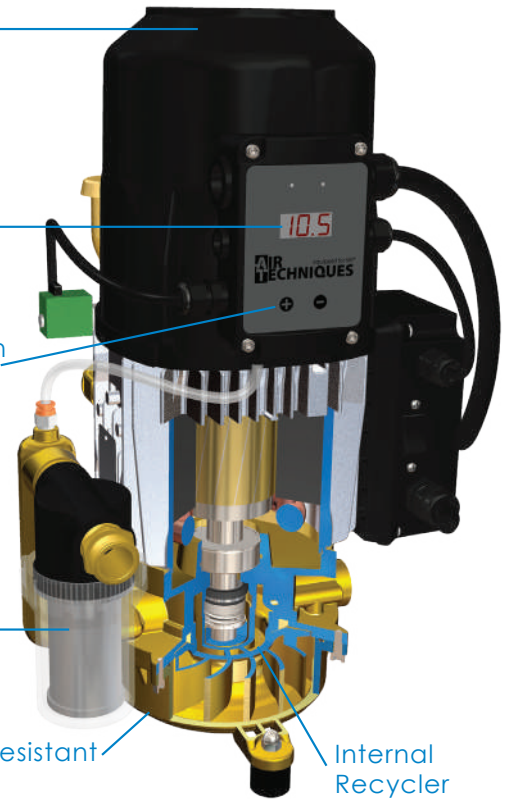
Digital
Display

Push-Button
Setting

Easy to
Change
Solids
Collector

Corrosive Resistant

Internal
Recycler

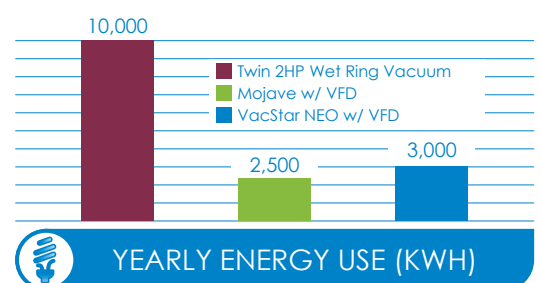
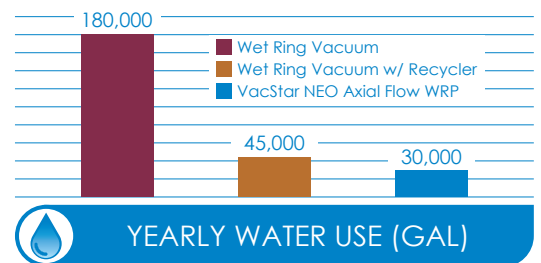


VacStar NEO

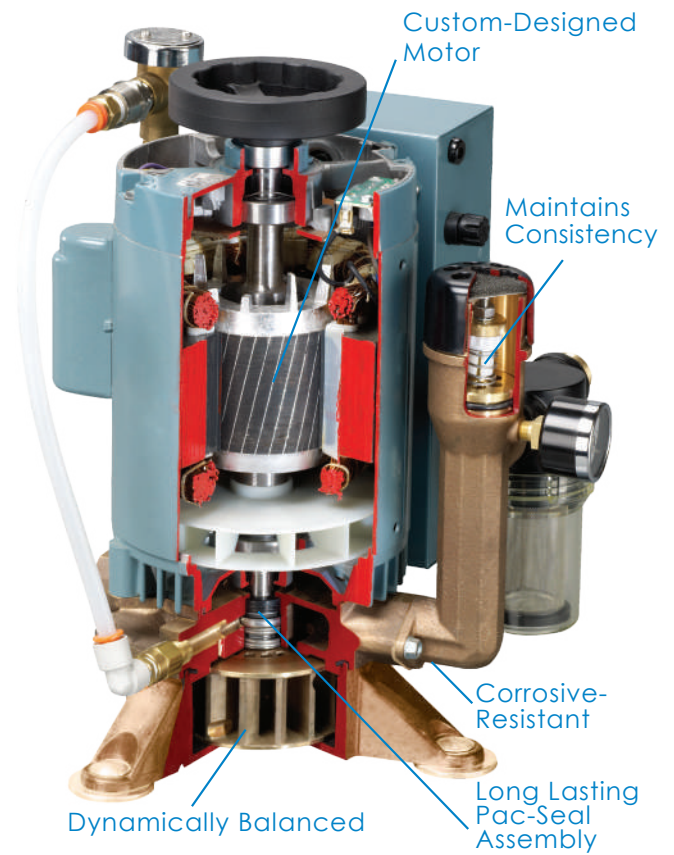
Lower Your Utility Bills

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. These energy saving features will dramatically reduce your water and electric bills while supporting you as an eco-friendly business owner.

- 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.
- Save up to 150,000 gallons of water each year.*
- Digital vacuum stabilizer eliminates the need for a mechanical relief valve.
- Push-button vacuum level setting.
- LCD displays error codes for easy troubleshooting diagnostics.
- Easy to change solids collector.
- All the water saving features without the need for a vent.
- Air water separator for nitrous scavenging sold separately.
- Reduce your utility bill by \$1,000 every year.*
- Reduce your businesses carbon footprint.



*Based on a twin 2 HP pump system vs. VacStar 80 NEO; 2,000 hours per year; \$0.12/KWH



VacStar Keeps Your Practice Pumping

VacStar liquid-ring pumps have dependably been the most robust and compact dental vacuum systems for over four decades. VacStar consumes less water to power dental clinics with the Hydromiser water recycling feature. Setting a fresh standard in reusing water, HydroMiser recycles up to 75% of the water used by traditional liquid-ring dental evacuation systems. VacStar consistently delivers high performance, with less water, for an economical solution to your dental vacuum needs.

- Oil-free motor and pump housing ensures no disposal hassles or leaks.
- Easy to change solids collector means low maintenance and more time spent with your patients.
- Dual pump models operate independently for reassuring backup redundancy.
- Savings of over 65,000 gallons of water each year when used with a Hydromiser.
- Hydromiser operates without any electricity or moving parts.
- Recycles water and scavenges nitrous simultaneously with combined air/water separator.
- Vacuum Equalizer accessory automatically turns pumps on or off by monitoring vacuum demand.
- All models comply with the latest UL-60601-1 and CAN/CSA C22.2 No. 601.1 standards.

Specifications



Part Number	Max. Users	Voltage (+/- 10%)	Dimensions WxHxD (in)	Water Flow Rate (gpm)	Circuit Breaker (A)
VS20 NEO	2	220	18.5 x 12 x 12	.13	20
VS40 NEO	3	220	18.5 x 12 x 12	.13	20
VS50 NEO	4	220	21 x 28 x 20	.26	30 or 15 (x2)
VS80 NEO	7	220	21 x 28 x 17	.26	40 or 20 (x2)



Part Number	Max. Users	Voltage (+/- 10%)	Dimensions WxHxD (in)	Water Flow Rate (gpm)	Circuit Breaker (A)
VS20	2	120 , 220	14 x 11 x 11	.50	20
VS40	3	220	17 x 11 x 11	.75	20
VS50	4	220	22 x 28 x 16	1.00	30 or 15 (x2)
VS50H	4	220	25 x 28 x 16	.26	30 or 20 (x2)
VS80	7	220	22 x 28 x 16	1.50	40 or 20 (x2)
VS80H	7	220	25 x 28 x 16	.38	40 or 20 (x2)



All VacStar Models Are Backed By An All-Inclusive **5 Year** Warranty

airtechniques.com

From Design to Install

All VacStar liquid ring vacuum systems are manufactured in our 200,000 sq. foot New York facility with expertise and care to provide you with the highest quality vacuum 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.



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