



DEAN GLASSER, DDS

Dr. Dean Glasser received his DDS in dental surgery in 1985 from the University of Maryland, with honors. He was ranked in the top 1% of all graduates on the clinical aspect of North East Regional Boards. Dr. Glasser completed his General Practice residency in 1985 at Bronx Lebanon Hospital Center and completed his formal implant training at the prestigious Misch Implant Institute in 1995. He is also the LI Scout for Major League Baseball's Baltimore Orioles.



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AirStar 50 NEO

AIR TECHNIQUES

Behind the scenes of every dental office is the room that houses the air compressor and central suction. This is the physical plant, the unsung hero that powers the dental office. In modern multi-operatory dental offices, clinicians can work when an operatory is down because of redundancy, but if the compressor or central suction fails, everything comes to a grinding halt. Dentists need these machines to be reliable workhorses. Ideally, these pieces of equipment would have self-diagnostic capacities in the event of needing routine maintenance or recognizing a potential problem for the future. With this in mind, Air Techniques has introduced the next generation AirStar NEO Compressor; the AirStar 50 NEO. Dr. Dean Glasser, a beta tester adopter of the product, spoke to *Dental Product Shopper* about his experience.

DPS **Why should practitioners give the AirStar 50 NEO a look?**

With the growth and evaluation of more technique-sensitive restorative and surgical procedures, there is an absolute need for virtually dry and particle-free air. The AirStar NEO uses a quadruple filtration system. By using 4 distinct filtration locations, we find that the air emitted from the handpiece or air water syringe is veritably dry and, importantly, free of any microscopic particles that could potentially contaminate a surgical site or technique-sensitive procedures. Additionally, all AirStar compressors have the interior of the storage tanks sprayed with an antibacterial coating to inhibit the growth of bacteria.

DPS **Compressors have to be durable to withstand the daily grind of a dental office. How durable is the AirStar 50 NEO?**

The AirStar 50 NEO is rated for up to a max of 7 simultaneous users. In our office, we use 3 users, so the initial thought process is that this is overkill. The holding tank is extremely large, holding 20 gallons of compressed air. This unit delivers a robust value of 10 CFM (cubic feet/minute) at 80 psi. This means that with 3 simultaneous users, this unit needs to cycle for roughly 30 seconds on 1 head every 10 minutes. What we can calculate is that each com-



pressor head runs for a total of 1.5 minutes/hour, or 12 minutes per head for an 8-hour work day. The amount of wear and tear on the unit is, therefore, minimal. So, from a recommendation standpoint, I would endorse going 1 size up, even though the smaller units are designed to handle the load. My belief is bigger is better when it comes to air compressors; less use means less wear and tear, which ultimately translates into longevity.

"THE AIRSTAR NEO AIR COMPRESSOR PRODUCT LINE IS NOW THE INDUSTRY STANDARD FOR THE ABILITY TO DELIVER PREDICTABLE PRESSURE LEVELS OF AIR THAT ARE VIRTUALLY MOISTURE AND PARTICLE FREE WITH A STATE-OF-THE-ART DESIGN, FUNCTIONALITY, AND DIAGNOSTIC CAPABILITIES."

DPS How does the AirStar 50 NEO compare to the previous compressor that you owned?

The predecessor of the NEO, the AirStar 50, which we owned and operated for roughly 10 years, was a twin head, simultaneously running compressor. This served us well without failure, but with a newer design and improvements, the alternating head AirStar 50 NEO is considerably less noisy, and without a sound cover, compared to its predecessor.

DPS How can NEO Pulse software guarantee problem-free functionality of the system?

Air Techniques provides a utility room monitoring software, called NEO Pulse. This proprietary software uploads and recognizes the AirStar NEO Compressor. The NEO Pulse software appears as an icon on the computer desktop. When opened, it becomes the command center for the AirStar NEO Compressor. The software features include the ability to give real-time diagnostic information on your compressor's functionality. The software provides "smart alarms," with detailed descriptions and alerts for the office staff. It also instructs the staff to contact technical support where a technician can access your computer and retrieve diagnostic information, therefore offering the best resolution to any issues in a timely fashion. The software also allows you to set up reminders for the staff, so periodic general maintenance and system checks can be performed.

With the NEO Pulse software in place, routine maintenance becomes more predictable, thereby allowing the compressor to perform at optimal efficiency.

DPS Tell us about the touchscreen display on the unit and why it's more than just a 'cool looking' feature?

On the body of AirStar 50 NEO is a full-color touchscreen display for the convenience of the technician and staff. This screen is more applicable for the technician as it allows him or her to use prompts for the unit to perform its own self-testing. Because the compressor unit

is connected through your office network via NEO Pulse, it is more practical for the staff to obtain real-time diagnostic information on a computer workstation.

DPS Is there anything else that you would like to add?

The AirStar NEO Air Compressor product line is now the industry standard for the ability to deliver predictable pressure levels of air that are virtually moisture and particle free with a state-of-the-art design, functionality, and diagnostic capabilities. The AirStar NEO product line will meet and exceed the needs of the global dental community.

FIVE WAYS NEO PULSE MONITORS THE HEART OF YOUR PRACTICE

Here's how NEO Pulse integrates the practice supply technologies into the complete surgical network to provide the office team with continuous practice supply monitoring:

- 1 Provides functional status of all connected devices as an overview on the task bar of a PC.
- 2 Saves important messages and makes them available to the service technician.
- 3 Automatically displays maintenance intervals.
- 4 Offers configurable task schedule with reminders.
- 5 Provides remote access to devices via TeamViewer app.

