

AIRSTAR

Oil-less Air Compressors. Membrane Dryer Technology.
Proven Reliability.



AIR
TECHNIQUES equipped for life



AIRSTAR Stands Above The Rest

Air Techniques revolutionized the U.S. dental market by being the first major company to introduce air compressors specifically designed for dental use. The AIRSTAR series was developed to meet the unique demands of dental professionals, featuring a quadruple-filtered, low-maintenance, oil-less compressor that incorporates Membrane Dryer Technology to ensure 100% clean, dry air. This advanced filtration process, which occurs at multiple stages, effectively removes contaminants and microorganisms, achieving an outstanding retention rate of over 99.99995%. The interior of the compressor's storage tank is powder-coated with an antimicrobial material, further ensuring the purity of the compressed air.

AIRSTAR Advantage – Premium Dental Air Compression

- **Exclusive Dental Design:** The only compressor engineered specifically for dental applications, ensuring seamless integration, optimal performance, and reliable air quality for dental instruments and patient safety.
- **Oil-less Compressor with Linear Piston Technology:** Advanced oil-less operation with linear piston technology prevents contamination, minimizes mechanical wear, and delivers consistent, reliable airflow with reduced maintenance needs.
- **Membrane Dryer Technology:** Features quadruple-filtration and a membrane dryer system that provides 100% dry, moisture-free air with a low-pressure dew point, preventing humidity buildup and ensuring peak equipment efficiency.
- **Superior Air Purity:** Dual 0.01-micron membrane filters eliminate particles and microorganisms at a retention rate exceeding 99.99995%*, while an antimicrobial, powder-coated tank prevents bacterial growth, safeguarding air quality.
- **User-Friendly Operation & Serviceability:** Designed for minimal upkeep with only an annual filter change required, the AIRSTAR reduces downtime and features a compact footprint ideal for easy installation in any practice size.
- **Quiet Operation:** Optional sound covers lower operating noise by 2–4 decibels, creating a quieter, more comfortable clinical environment for both staff and patients.

*AIRSTAR Virus-Bacteria filters are used in conjunction with the Membrane Drying unit and have been independently tested by the SGS Frisenius Institute showing a retention of greater than 99.99995% for all particles regardless of size, as well as a retention of greater than 99.994% using test virus PHIX174. AIRSTAR Virus-Bacteria filters are in compliance with ULPA U16 according to 1822-1:2009.

It all comes down to performance

Selecting the right dental air compressor is critical for maintaining optimal performance and patient care. As industry leaders, Air Techniques understands that the ideal solution depends on your practice's specific operational demands and long-term goals. Key considerations include:

- **Practice Size:** Smaller offices may require compact, quieter units, while larger clinics benefit from high-capacity systems with greater reserves.
- **Number of Simultaneous Users:** Evaluate how many dental professionals will be using compressed air simultaneously to ensure consistent airflow.
- **Additional Compressed Air Consumers:** Identify other equipment requiring compressed air, such as cleaning devices, to avoid overloading the system.

Uninterrupted, Dry Air Supply for Milling and Grinding

Air Techniques' AirSTAR compressors are purpose-built for the continuous demands of milling and grinding, delivering a 100% duty cycle to support uninterrupted operations. The integrated membrane drying unit ensures a consistent supply of moisture-free, contamination-free air, preventing performance issues that can compromise the final product. Engineered with premium components for durability and quiet operation, AirSTAR provides reliable airflow that keeps your equipment operating at peak efficiency. By eliminating air supply failures, it safeguards against costly downtime while maximizing productivity and protecting your bottom line.



AIRSTAR FLEX

Smart Savings Today, Seamless Growth Tomorrow.



AIRSTAR FLEX: Reliable, Scalable, Built to Grow with Your Practice

The AIRSTAR FLEX combines industry-leading reliability with smart, future-ready scalability, making it the perfect choice for new dental practices planning for long-term growth. Start with a cost-effective compressor that meets your current office needs, and as your patient base grows, seamlessly upgrade it with an additional compressor head—eliminating the need for a full system replacement. Built with the durability and long-term performance the AIRSTAR brand is known for, this compressor ensures a consistent, high-quality air supply for years to come. The initial cost savings allow you to invest in other essential equipment when opening a new office, while AIRSTAR's trusted longevity keeps your practice running smoothly as it grows. Choose AIRSTAR FLEX—built for today, ready for tomorrow.



AIRSTAR50 FLEX: A 3 user compressor that upgrades to a full AIRSTAR 50 providing 8 user capacity



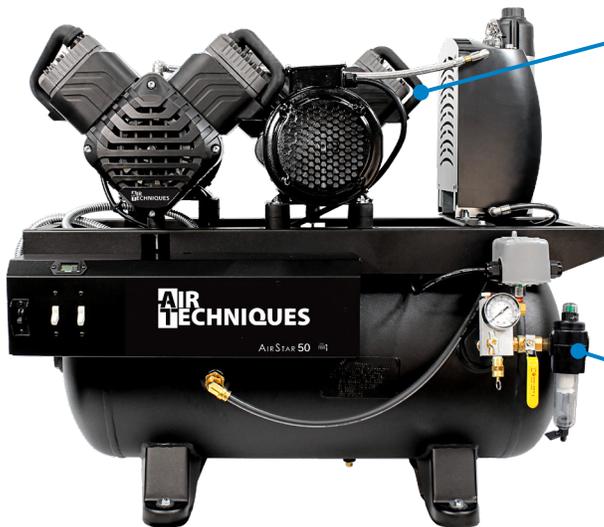
AIRSTAR70 FLEX: An 8 user compressor that upgrades to a full AIRSTAR 70 providing 12 user capacity

Quadruple filtered, for hygienic compressed air and greater reliability



For optimum air quality, maximum compressed air output and preserving the value of your compressor

The filters installed in the AirSTAR compressors ensure that consistent performance is maintained and will help preserve the value of your compressed air system. Even the best filters accumulate germs, dirt and dust over time. The annual filter change therefore guarantees maximum output, reduced wear and a longer service life for the entire compressed air system.



1 Virus-Bacteria Filter

The Air Techniques Virus-Bacteria is a high performance particulate air filter in filter class ULPA U16 according to standard EN 1822-1:2019-10 / ISO 65U according to standard ISO 29463-3:2018.

2 Membrane drying unit

Downstream of the coalescence filter, 1,200 interior-coated membrane hollow fibers remove moisture from the compressed air. The system delivers 100% availability without regeneration interruptions and provides a constant supply of dry compressed air during continuous operation. In this way, it protects valuable instruments and treatment results. Apart from an annual filter change, the system is maintenance-free.

3 Coalescence filter with water collecting container

Working as an inflow filter, the coalescence filter protects the subsequent components of the membrane drying unit. The water is drained through a valve via the collecting container.

4 Air Intake Filter

The first stage is the air intake filter on the aggregate. In the second stage, the coalescence filter provides particle-free and clean air, providing the high-value membrane with protection against soiling and damage. Finally, in stage 3, the bacteria filter removes any remaining germs – resulting in hygienic compressed air.

5 Main Storage Tank Filter

A final filter removes any remaining fine particles from the air as it leaves the storage tank, before entering the dental facility.



Accessories

VISTASOFT MONITOR

Part Number	Description
N1110	Connect Box*



Connect Box
PN N1110

*Connect your AirSTAR Classic compressor to the VistaSoft Monitor IoT platform to ensure you're always up and running. By using the Connect Box you can add any of the AirSTAR Classic models, or other Air Techniques equipment, into VistaSoft Monitor's cloud monitoring system to ensure your entire utility room gets connected.



PREVENTATIVE MAINTENANCE KITS/REMOTE AIR INTAKE KITS/ SOUND REDUCING COVERS

AirSTAR Model	Preventative Maintenance Kits*	Remote Air Intake Kits	Sound Reducing Covers [◇]
AS10	87351	85491	85961
AS12	87351	85491	85180
AS21	87352	85492	85962-1M
AS22	87352	85492	85962-2M
AS30	87352	85492	85963M
AS40	87355	87361	87440M
AS50	87353	85493	89523M
AS50X	87352	85493	89523M
AS70	87354	85494	89574M [‡]
AS70X	87353	85494	89574M [‡]
AS100	87356	85511	N/A

*Includes compressor head intake filters, membrane dryer filters and O-rings, and filter bowl

[◇]Reduces operating noise by 2-4 decibels. Sound Reducing Covers will only apply to AirSTAR Classic models 10 - 70.

[‡]Requires: Dedicated 220V line w/ receptacle, min 15 amp breaker



Tandem Kit
PN 85690



Upgrade Kit
PN AS70X-UPG

TANDEM KITS	
Part Number	Description
85694	AirSTAR Classic Tandem Installation Kit Connect 2 compressors to work as one unit.
85690	AirSTAR Classic Multiple Compressor Install Kit Connect 3 or 4 AirSTARs Compressors to work as one unit.

UPGRADE KITS	
Part Number	Description
AS50X-UPG	Upgrade kit, AS50X to AS50
AS70X-UPG	Upgrade kit, AS70X to AS70

Spare Parts



Air Intake Filter
PN 89831



Virus-Bacteria Filter
PN 87172



Vibration Pad
PN 80184

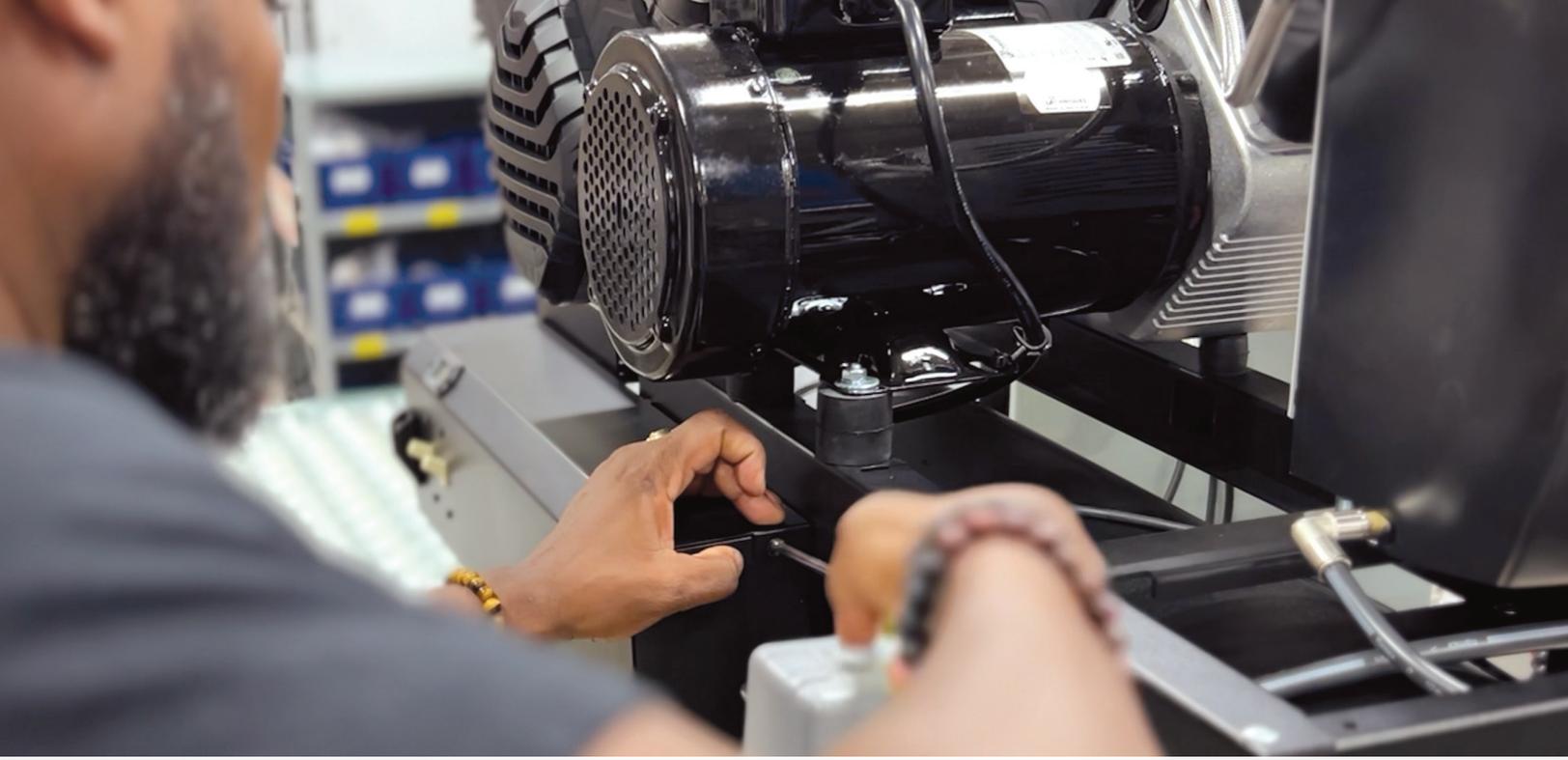
AIR STAR ACCESSORIES AND SPARE PARTS

Part Number	Description
87174N	Condensate Filter Bowl, Filter and O-Ring
85004	Condensate Filter
87172	Virus-Bacteria Filter 0.01 microns; Membrane Dryer, Top
89831	Air Intake Filter Replacement: 1 per cylinder for all AirSTAR solutions
87168	Tank Outlet 5 Micron Filter, Replacement Filter Assembly Only, 3/8" NPT
86395	Tank Outlet 5 Micron Filter & Delivery Hose Replacement Kit, 3/8" NPT
80184	Vibration Pad Kit (Pkg/4)
85510	Kit; Milling Machine Upgrade, AirSTAR Classic
87010	Membrane Dryer; Cartridge Replacement Kit

Specifications



Part Number	Users	Voltage (+/- 10%)	Dimensions WxHxD (in)	CFM @ 80 PSI	Tank Size (US gal)	Total HP
AS10	Up to 2	120	25 x 28.5 x 19.75	2.5	6	0.75
AS12	Up to 2	220	25 x 28.5 x 19.75	2.5	6	0.75
AS21	Up to 3	120	29 x 30.5 x 20	5.0	12	1.5
AS22	Up to 3	220	29 x 30.5 x 20	5.0	12	1.5
AS30	Up to 4	220	29 x 30.5 x 20	5.0	12	1.5
AS40	Up to 6	220	32.5 x 30.5 x 20	7.5	12	2.3
AS50	Up to 8	220	35.5 x 33.5 x 20.5	10.0	20	3.0
AS50X	Up to 3	220	35.5 x 33.5 x 20.5	5.0	20	1.5
AS70	Up to 12	220	47.75 x 35 x 21.75	15.0	30	4.5
AS70X	Up to 8	220	47.75 x 35 x 21.75	10.0	30	3.0
AS100	Up to 15	220 3P	46 x 34.5 x 24.5	20.0	30	4.8



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

**60 Months OR 5,000 hours of use (whichever comes first)*

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.

Your air compressor is an important investment and an integral part of your practice. That is the reason Air Techniques has not only designed the very best air compressor for the dental industry, but we provide 100% USA based customer support to ensure you are always satisfied with the performance. From design to install through operation, Air Techniques is there every step of the way.



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