

AIRSTAR

# AIRSTAR®

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



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



# AirStar Stands Above The Rest

Air Techniques was the first major U.S. dental company to introduce an air compressor specifically for the dental market. Recognizing the unique needs of the dentist, we developed a quadruple filtered, low maintenance oil-less compressor using Membrane Dryer Technology to provide 100% clean, dry air. This combination of ease, performance, and reliability is the reason AirStar continues to be the preferred choice for compressed air.

## AirStar Advantage

- **The ONLY compressor that is exclusively designed for dental applications**
- **Oil-less compressor**
- **Linear piston technology**
  - Less maintenance and more longevity
- **Membrane Dryer Technology**
  - Providing quadruple filtered, 100% dry air in continuous operation
- **Clean, Sanitary Air**
  - 0.01 micron top and bottom membrane filter is capable of eliminating particles and microorganisms from the air at retention rates above 99.99995%\*
  - Antimicrobial interior powder coated tank
- **Designed for Ease of Operation & Serviceability**
  - Virtually no maintenance - only an annual filter change
  - Easy to service machine keeps your practice running with little-to-no downtime
  - Compact footprint to fit in any location
- **Quiet Operation**
  - Sound cover available for many models

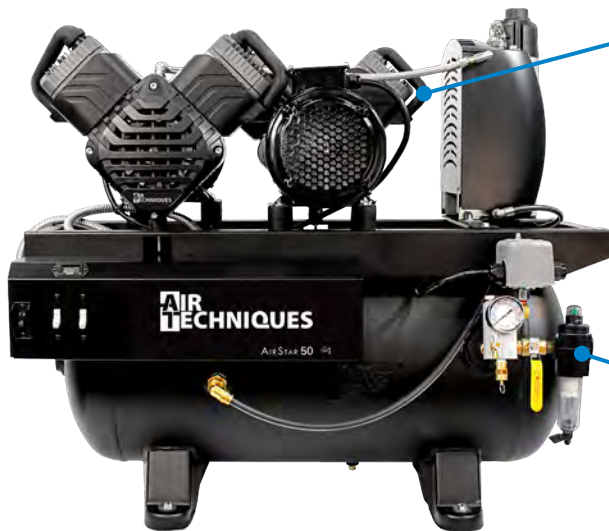
\*AirStar Virus-Bacteria filters are used in conjunction with the Membrane Drying unit and have been independently tested by the SGS Frisenius Institute showing a retention of greater than 99.99995% for all particles regardless of size, as well as a retention of greater than 99.994% using test virus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

# 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 fibres 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

## VISION MONITOR

Part Number	Description
N1110	Connect Box*



Connect Box  
PN N1110

\*Connect your AirStar Classic compressor to the Vision 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 Vision 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 <sup>◇</sup>
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
AS70	87354	85494	89574M <sup>‡</sup>
AS100	87356	85511	N/A

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

<sup>◇</sup>Reduces operating noise by 2-4 decibels. Sound Reducing Covers will only apply to AirStar Classic models 10 - 70.

<sup>‡</sup>Requires: Dedicated 220V line w/ receptacle, min 15 amp breaker

## 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.



Tandem Kit  
PN 85690



# Spare Parts



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
AS70	Up to 12	220	47.75 x 35 x 21.75	15.0	30	4.5
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](http://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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