



AIRSTAR AERO

# AIRSTAR AERO®

Oil-Free Air Compressor

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

# 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.

## Oil- and Maintenance-Free

Outdated maintenance regimens, such as checking the oil level, changing and disposing of oil, is no longer necessary. Our air systems are environmentally friendly and provide the lowest cost of ownership.

## Antibacterial Coated Tank

AERO uses a storage tank with our proprietary antibacterial internal coating. This prevents your patients from being exposed to hazardous biological agents.

## 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°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)

(Not available in the  
US or Canada)



# Several Solutions

## With Membrane Dryers

Modern adhesive procedures require using moisture-free air to provide a reliable bond. The standard AERO unit comes with our proprietary membrane drying system built-in. This automatic condensate drainage system ensures that no moisture ever makes its way to your invaluable hand-pieces or into your patient's mouth. (AERO "M" models.)



## Without Membrane Dryer

For practices that would prefer to manually purge their tank moisture, the AERO is also available without the membrane drying system. These models are still equipped with all the necessary operating and safety features, but require periodic manual drainage of condensate. With only one filter needed to be changed on an annual basis, these dryer-free models are a suitable economical solution.



## Advantages

- Oil-free
- Quiet
- Compact
- 100% duty-cycle
- Long operating lifespan
- Plug-and-Play for immediate operation

## Installation options are available to suit all local code requirements:

- Pressure range (usable) 4 – 10 bar (60-145psi)
- Operating pressure 7 bar (100 psi)
- Ambient temperature 5 – 40°C (41 – 104°F)
- Microfilter (built-in) 3 micron



# Specifications

| Description                 | AERO100                            | AERO100M                           | AERO200                 | AERO200M                |
|-----------------------------|------------------------------------|------------------------------------|-------------------------|-------------------------|
| Membrane Dryer              | -                                  | Included                           | -                       | Included                |
| Condensate Drainage         | Manual                             | Automatic                          | Manual                  | Automatic               |
| Delivery Rate @ 0 bar       | 110 L/min                          | 110 L/min                          | 195 L/min               | 195 L/min               |
| Delivery Rate @ 5 bar       | 60 L/min                           | 60 L/min                           | 120 L/min               | 120 L/min               |
| Operating Pressure (PN)     | 8 bar                              | 8 bar                              | 8 bar                   | 8 bar                   |
| Max Safety Pressure (Ps)    | 10 bar                             | 10 bar                             | 10 bar                  | 10 bar                  |
| Tank Capacity               | 25 L                               | 25 L                               | 25 L                    | 25 L                    |
| Noise Level                 | 66 dBA                             | 66 dBA                             | 69 dBA                  | 69 dBA                  |
| Voltage                     | 230 V                              | 230 V                              | 230 V                   | 230 V                   |
| Power (Frequency)           | 0.92 kW (50 Hz)<br>0.97 kW (60 Hz) | 0.92 kW (50 Hz)<br>0.97 kW (60 Hz) | 1.37 kW (50 Hz)         | 1.37 kW (50 Hz)         |
| Current (Frequency)         | 4.9 A (50 Hz)<br>4.3 A (60 Hz)     | 4.9 A (50 Hz)<br>4.3 A (60 Hz)     | 6.3 A (50 Hz)           | 6.3 A (50 Hz)           |
| Motor Protection            | Thermal Switch                     | Thermal Switch                     | Thermal Switch          | Thermal Switch          |
| Operating Duration (<40° C) | 100% Duty Cycle Capable            | 100% Duty Cycle Capable            | 100% Duty Cycle Capable | 100% Duty Cycle Capable |
| Weight                      | 36 kg                              | 46 kg                              | 48 kg                   | 54 kg                   |
| Dimensions H x W x D (cm)   | 62 x 62 x 36                       | 67 x 62 x 48                       | 62 x 64 x 36            | 67 x 64 x 48            |

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## AIRSTAR AERO®



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PN 9922-157 Rev. D

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