

# Compressors

Our Aridyne™ Air Compressors provide you with cool, clean, dry air, but we don't want you to take our word for it. We want you to understand why. After all, a cool, clean, dry compressed air source is important for you, your equipment and your patient.

**Timeter's Aridyne Air Compressor System has two air movements. One is the cool air movement that provides condensation-free compressed air to your respiratory therapy equipment.**

**The other is the ambient air movement -- an S-pattern that cools the entire drying system and pump.**

#### **How Aridyne's Dry Compressed Air Movement Works**

First, air is drawn through the air pump inlet filter. Then it is pulled into the pump where the pistons pressurize it to 80 psi and push it forward through the Teflon® lined high pressure hose that is reinforced with braided stainless steel. At this point the temperature of the compressed air is approximately 300° F.

Then compressed air flows through the copper coils where it is cooled to room temperature. During cooling, moisture in the air begins to condense. The cooled air moves to the water trap where the condensation is rained out and collected. This moisture that is collected in the water trap is continuously drained through the nylon tube to the water collection tray where it evaporates.

Next the air is decompressed to 55 psi by the secondary regulator. After this decompression the small amount of remaining moisture is so dispersed throughout the expanded volume that the dew point of the air is several degrees below room temperature. In the Aridyne Air Compressor this dew point depression can range from 3° to 10° F.

A dew point depression of this range means that the Aridyne drying system, when kept in the same ambient temperature conditions, can be used in the patient's room or down the hall, and will deliver condensation-free air to your equipment.



Aridyne™ 3600 Air Compressor    Aridyne™ 3500 Air Compressor    Aridyne™ 2000 Air Compressor

#### **How the Aridyne's Ambient Air Movement Cools the Drying System**

The Primary circulating fan above the pump draws ambient air into the system through the cabinet inlet filter. The ambient air flows over the copper coils to cool the compressed air to room temperature. Then it flows over the pump to cool the pump for a long service life.

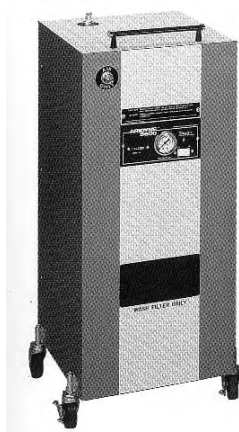
Because the once cool ambient air is now warm, it will evaporate the moisture that has been previously collected in the water trap. After the ambient air makes its way over the water tray, it is vented from the cabinet.

#### **Why Timeter's Quiet Air Compressors Are Ideal for Bedside Use**

Uniquely designed for bedside use, the Aridyne System is an engineering feat which makes it one of the most valuable air compressors on the market. Now both you and your patient can enjoy the benefit of a quiet, vibration-free air compressor.

- **Inside the cabinet, the sound waves are led through an S-shaped obstacle course, curving and bending as they come in contact with acoustically lined wooden shelves. This special material absorbs most offensive noise.**
- **The springs that suspend the pump inside the cabinet are a critical factor in the suspension system. These tempered steel springs are sized to diminish the vibrations of the pump to ensure a quiet, vibration-free air compressor system.**
- **Air pump inlet filter cleans air and muffles piston noise.**
- **Formica®- covered wood cabinet assists in absorbing irritating sounds.**

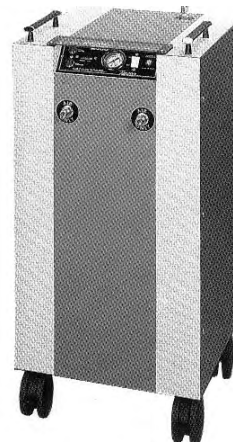
# Compressors



Aridyne™  
3600 Air Compressor



Aridyne™  
3500 Air Compressor



Aridyne™  
2000 Air Compressor

	Power	Size and Weight	Outlet	Output Capacity	Special Features
Aridyne™ 2000 Air Compressor	120 V 60 Hz 12 amp	17" W x 35" H x 21" D 157 lbs	Three air 3/4" - 16 D.I.S.S. male check valve outlets installed. Two oxygen D.I.S.S. check valves included.	Continuous flow of 64 lpm at 50 psig with 3° F dew point depression. Will automatically compensate for lower flow demands by 10° F dew point with a continuous flow of 56 lpm.	Audible and visual high temperature and low pressure alarms, with DC powered six-volt back-up.  Vibration-free gauge showing diminished pressure, impaired drying, or exceeded flow capacity.  Circuit Breaker, elapsed time indicator, and thermal overload protector included.
Aridyne™ 3500 Air Compressor	120 V 60 Hz 8.5 amp	11" W x 33-1/2" H x 15-1/8" D 90 lbs	Two air 3/4" - 16 D.I.S.S. male check valve outlets installed. Two oxygen D.I.S.S. check valves included.	Continuous flow of 42 lpm at 50 psig with dew point depression of 5°F.	Vibration-free gauge showing diminished pressure, impaired drying, or exceeded flow capacity.  Circuit Breaker, elapsed time indicator, and thermal overload protector included.
Aridyne™ 3500 Air Compressor (Export)	220/240 V 50 Hz 4 amp	29.2 cm W x 40.0 cm D x 87.6 cm H 40.8 kg			
Aridyne™ 3600* Air Compressor	115 V 60 Hz 8.5 amp	15-1/2" W x 34" H x 16" D		Continuous flow of 42 lpm at 50 psig with dew point depression of 5°F.	Vibration-free gauge showing diminished pressure, impaired drying, or exceeded flow capacity.  Circuit Breaker, elapsed time indicator, and thermal overload protector included.

Note: All specifications are nominal and subject to change without notice.

Order #	Model # and Description
AW-E20	AD2000-A Air Compressor 120V, 60 Hz. Comes with 3 D.I.S.S. Air Outlets installed and 2 O <sub>2</sub> Check Valve Outlets.
AW-E35	AD3500-A Air Compressor 120V, 60 Hz. Comes with 2 D.I.S.S. Air Outlets installed and 2 O <sub>2</sub> Check Valve Outlets.
AW-10360	Aridyne 3600 Air Compressor 120V, 60 Hz. Comes with 2 D.I.S.S. Air Outlets installed and 2 O <sub>2</sub> Check Valve Outlets.

Ordering  
Information

# Compressors

#EC-PM15F



## EASYAIR 15

**Output:**

#EC-PM15F lpm...as set and read on the gauge (±2 lpm)

#EC-PM15P minimum of 15 lpm @ 50 psi

**Operating Temperature Range:**

50° to 104°F (10°C to 40°C)

**Storage Conditions:**

Temperature: -4°F to 104°F (20°C to 40°C);

Humidity: Max 95% noncondensing

**Dimensions:** Length 16" (40.6 cm), Width 7.25" (18.4cm), Height 10.25" (26.1 cm)

**Weight:**

20.4 lbs (9.3 kg)

**Shipping Weight:**

24 lbs (10.9 kg)

**Motor:** 120VAC, 60Hz, 5 Amps

Specifications are subject to change without prior notice



Easily attaches to the outlet fitting of the #EC-PM15 Compressor. Condensation is collected in a transparent trap and can be removed by activating the quick release valve on the bottom of the trap.

**Ordering Information:**

#EC-PM15-3 Cooling Coil with Condensation Trap

**It's Just as Powerful ...**

No sacrificing power with the Easy/Air. We've put the same power & flow you're used to, a minimum of 15 lpm at 50 psi, in a much smaller package.

**It's Lightweight ...**

The Easy/Air weighs only 20.4 lbs. making it much easier to carry. It is an average of 22% lighter than comparable compressors.

**It's Compact ...**

An average of 37% smaller than other units, it fits into areas where space is at a minimum.

**It's Easy to Use ...**

The #EC-PM15F eliminates the need for pressure/flow calculations with a built-in flow gauge. This unique feature allows the caregiver to set the air flow in lpm by simply dialing in the desired flow. The #EC-PM15P is also available with a standard pressure gauge.

**It Aids Compliance ...**

The unique built-in hour meter aids in determining when preventative maintenance is due. This money saving feature helps compliance with JCAHO maintenance record keeping.

**It's Easy to Maintain ...**

Both compressor filters are on the outside of the cabinet, making filter cleaning easier and more accessible for patients and caregivers.

**It's Durable ...**

The ABS plastic cabinet is durable, attractive, easy-to-clean and infection control friendly.

**It's Safe ...**

Safety is assured with automatic resetting thermal limit switch which protects the unit from overheating.

Part #	Description
#EC-PM15F	Ac unit with flow gauge, J Bracket & Hospital Grade Power Cord.
#EC-PM15P	AC unit with pressure gauge, J Bracket & Hospital Grade Power Cord



The Roll Stand allows you to easily move a compressor or aspirators from room to room allowing easy placement anywhere. The stand shelf is large enough to accommodate any of the Precision Medical air compressors or aspirators.

**Ordering Information:**

#EC-PM60-1 Roll Stand



The J Bracket allows for attachment of aerosol nebulizers to the #EC-PM15 Compressor.

**Ordering Information:**

#EC-PM15-1 J Bracket

# Compressors



**Power and Flow  
when you need it.**

Ordering Information

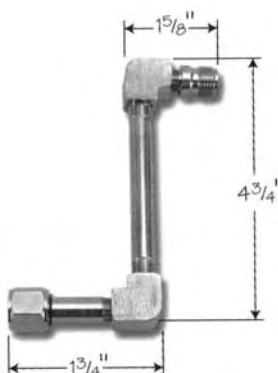
Part#	Description
#EC-PM50	AC unit with Hospital Grade Power Cord



The Extension J Bracket allows for attachment of tall nebulizer bottles.

Ordering Information

Part#	Description
#EC-PM15-8	Extension J Bracket



The extension Bracket allows for attachment for Flow Gauge when more height is needed using tall nebulizer bottles.

Ordering Information

Part#	Description
#EC-PM15-7	Flow Gauge Extension Bracket

## It's Powerful ...

The powerful 1/5 horsepower high performance compressor delivers a minimum of 15 lpm at 50 psi.

## It's Versatile ...

The Easy/Comp can be used anywhere effective and convenient aerosol treatments are needed.

## It's Easy to Use ...

The Pressure gauge is slanted making it easier to read. It comes with a Velcro™ strap for easy cord wrapping. It also comes with non-marring suction feet to attach the unit securely to most surfaces without damaging or marking the surface.

## It's Lightweight ...

The Easy/Comp weighs only 10.8 lbs., making it easy to carry by any caregiver.

## It's Safe ...

Safety is assured with the automatic resetting thermal limit switch which prevents the unit from overheating.

## Specifications

### Output:

Minimum of 15 lpm @ 50 psi

### Operating Temperature Range:

50°F to 104°F (10°C to 40°C);

### Storage Conditions:

Temperature: -4°F to 120°F (-20°C to 49°C)

Humidity: Max 95% noncondensing

### Dimensions:

Length 10.25" (26.04 cm), Width 5.25" (13.34 cm),

Height 9.5" (24.13 cm)

### Weight:

10.8 lbs. (5.7 kg)

### Shipping Weight:

12.5 lbs. (5.7 kg)

### Motor:

120 VAC, 60 Hz, 5 Amps

Specifications are subject to change without prior notice.

The Flow Gauge allows the user to set a flow rate in lpm when attached to compressor outlet fitting. It can be used with any 50 psi compressor.



Ordering Information

Part#	Description
#EC-PM15-5	Flow Gauge with Female Hex Nut 1" Stem
#EC-PM15-6	Flow Gauge with Female Hex Nut 1-1/2" Stem

# Compressors/Accessories

The PCS-414 Air Compressor has many of the same features as the PCS-4 Air Compressor. The main difference between Timeter's PCS-4 and PCS-414 is the pump. Timeter's PCS-414 has a pump that produces a higher output. For this reason, the PCS-414 Air Compressor does not replace the PCS-4 Air Compressor but is designed to be used exclusively for aerosol administration when a high flow rate is needed. Timeter's PCS-414 is built to power the Mistogen HV12 High Volume Nebulizer in conjunction with the Mistogen CAM® 3 Thermolectric Mist Tent. The PCS-414 Air Compressor can also be used with the Ohio Tent and its nebulizer.



#AW-T14614

## PCS-414 Air Compressor Specifications

<b>Application:</b>	Designed specifically for use in running Mistogen's HV12 High Volume Nebulizer and Mistogen's CAM® 3 Thermolectric Mist Tent. Also can be used w/ the Ohio pediatric tent and its nebulizer.
<b>Output:</b>	Max. 14 lpm at 50 psig/ Max. 19 lpm at 20 psig
<b>Size:</b>	19" long x 8" wide x 11-3/4" high (47.6 cm x 19.6 cm x 29.8 cm w/o handle and feet)
<b>Weight:</b>	30 lbs. (13.6 kg) w/o handle and feet
<b>Outlet:</b>	One oxygen 9/16" — 18 Male DISS Outlet may be specified when ordering
<b>Power:</b>	115V, 60 Hz, 1/7 hp, 5A (230 V, 50 Hz)
<b>Special Features:</b>	Pressure relief pop-off valve 0-100 psi pressure gauge Adjustable pressure regulator 9 ft. power cord w/ hospital grade plug



#69-20239



#69-20243



#AW-901 Siemens Ventilator mount for Aridyne 2000 Air Compressor

## Ordering Information

#AW-E901	<b>Siemens Ventilator Mount:</b> Mounts on Aridyne 2000 Air Compressor.
#AW-Z85	<b>Right Angle Adapter:</b> Mounts on PCS-4, PCS-414, PCS-5, Aridyne 2000, Aridyne 3500 and Aridyne 3600 Air Compressors. Oxygen 9/16" - 18" Female D.I.S.S. Inlet and Oxygen 9/16" - 18" Male D.I.S.S. Outlet.
#69-20239	<b>Oxygen Check Valve Outlet:</b> 9/16"-18" Male D.I.S.S. x 1/8"N.P.T. Male. (Also available with 1/4" N.P.T. Male.)
#69-20243	<b>Air Check Valve Outlet:</b> 3/4"-16 Male D.I.S.S. x 1/8" N.P.T. Male
#AW-Z111	<b>Short "J" Bracket:</b> Mounts on PCS-4, PCS-414, PCS-5, Aridyne 2000, Aridyne 3500 and Aridyne 3600 Air Compressors. Oxygen 9/16"-18" Female D.I.S.S. Inlet and Oxygen 9/16"-18" Male D.I.S.S. Outlet.
#69-20240	Exit fitting with check valve, D.I.S.S. Oxygen x 1/4" N.P.T.

## PCS-5 Air Compressor Accessories

#AW-Z93	5-O-G Gauge, Valve
#AW-Z94	5-O-GS Gauge, Valve, Outlet
#AW-Z95	5-O-U "J" Bracket
#AW-Z96	5-O-UG "J" Bracket, Gauge, Valve
#AW-Z97	5-O-UGS "J" Bracket, Gauge, Valve, Outlet



#AW-Z72



#AW-Z111

#AW-Z88	<b>Portable Transfer Cart:</b> PCS-4 and PCS-414 Air Compressor easily mounts on Transfer Cart. Swivel Casters supply easy mobility. Inside is a large, handy compartment for storage of equipment and accessories.
#AW-Z70	<b>Cooling Coil and Condensation Trap:</b> Mounts on PCS-4 and PCS-414 Air Compressors to remove condensation from compressed air. Oxygen 9/16" - 18 Female D.I.S.S. fitting.
#AW-Z72	<b>Condensation Trap:</b> For removing moisture from compressed air lines. Place in line proximal to the respiratory therapy equipment. 1/8" Female N.P.T. Inlet and Outlet.

# Compressors/Accessories



PCS-5 Air Compressor with 5-O-UGS and Z99 all purpose nebulizer

## PCS-5 Air Compressor Specifications

<b>Application:</b>	Operates aerosol administration devices: Humidifiers, nebulizers, croupettes and mist tents
<b>Output:</b>	Max. 7 lpm at 50 psig/ Max. 20 lpm at 20 psig
<b>Size:</b>	9" long x 5" wide x 10" high (22 cm x 12 cm x 25 cm)
<b>Weight:</b>	15-1/2 lbs. (7.0 kg)
<b>Outlet:</b>	Oxygen 9/16" — 18 Male DISS Outlet
<b>Power:</b>	120V, 60 Hz, 1/8 hp, 4.2A (220 V, 50 Hz)
<b>Special Features:</b>	5-1/2 ft. power cord w/ hospital grade plug

### Lightweight and Compact

Weighing only 15-1/2" lbs, the PCS-5 Air Compressor is easy to carry and small enough to fit anywhere.

### Quiet Operation

Timeter's PCS-5 Air Compressor is so quiet that it doesn't disturb conversation, making it ideal for the homecare patient.

### Output Capacity

The PCS-5 Air Compressor has a special diaphragm compressor with an output range of 71 lpm at 50 psig to 20 lpm at 20 psig. The PCS-5 Air Compressor efficiently operates aerosol administration devices such as humidifiers, nebulizers, croupettes and mist tents.

### PCS-5 Accessory Combinations Made to Order

In addition to the wide variety of standard PCS-5 accessory combinations available from Timeter, we can custom make an accessory combination to suit your patient's need. Just call Timeter and we will assemble the configurations you require.

### Oil-Free Air Supply

Because air comes in and goes out through the head of the pump, it can't pick up vaporized grease off the bearings. This clean movement of air allows you to operate your equipment with a completely oil-free air supply.

### 24-Hours, 365 Days A Year Continuous Operation

- Internal motor fan cools pump for maximum efficiency and long service life
- The connecting rod, permanently bonded to its bearing, endures the strain of day-to-day use

### Ideal for Patient Bedside

- Three foam filters inside the cylinder head assist in cleaning air and absorbing noise.
- At 15-1/2 lbs the PCS-5 can be carried anywhere
- Main inlet filter on outside

### Ordering information

Item No.	Description
<b>PCS-5 Air Compressor</b>	
#AW-E07	PCS-5-0 Air Compressor 120 V, 60 Hz
#AW-EV5	PCS-5-V Vacuum Pump Complete (less collection bottle) 120 V, 60 Hz
<b>PCS-5 Air Compressor Accessories</b>	
#AW-Z94	5-O-GS Gauge, Valve, Outlet
#AW-Z95	5-O-U J Bracket
#AW-Z96	5-O-UG J Bracket, Gauge, Valve
#AW-Z97	5-O-UGS J Bracket, Gauge, Valve, Outlet
#AW-Z85	Right Angle Adaptor
#AW-Z99	Puritan Bennett all purpose nebulizer
#AW-Z87	Disposable Collection Bottle with Safety Shut-Off