PrecisionMedical



EasyAir

Compressor

Model No. PM15 Series

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Receiving/Inspection

Remove the Precision Medical, Inc. Easy Air Compressor (PM15-F, PM15EF, PM15-P or PM15EP) from the packaging and inspect for damage. If there is any damage, DO NOT USE and contact your Provider.

Intended Use

To supply a portable compressed air source adequate to drive high-volume nebulizers and in other medical settings where up to 50 PSI of air pressure or 13 L/min of air flow is required.

Read All Instructions Before Using

This manual instructs a Professional to install and operate the Easy Air Compressor (PM15-F, PM15EF, PM15-P or PM15EP). This is provided for your safety and to prevent damage to the Easy Air Compressor. If you do not understand this manual, DO NOT USE the Easy Air Compressor and contact your Provider or Distributor.

Explanation of Abbreviation

psi	Pounds Per Square Inch
l/min	Liters Per Minute

Safety Information - Warnings and Cautions

⚠ DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.
	CONSULT ACCOMPANYING DOCUMENTS
	Type B Equipment
	Protective Earth Ground
	Power On
	Power Off

⚠ DANGER

Caution must be exercised when using this Compressor where oxygen is being administered.

DO NOT use near any type of flame or flammable/explosive substances.

DO NOT allow the Compressor to exceed Operating or Storage Temperature specifications.

TO REDUCE THE RISK OF ELECTROCUTION

Always unplug the Compressor immediately after using.

DO NOT use while bathing.

DO NOT place or store the Compressor where it can fall or be pulled into a tub or sink.

DO NOT place or drop into water or other liquid.

DO NOT reach for the Compressor that has fallen into water. Unplug immediately.

DO NOT attempt to repair the Easy Air Compressor. Any attempt could result in electrical shock.

⚠ WARNING

To reduce risk of burns, electrocution, fire, or injury to persons:

Close supervision is necessary when this Compressor is used by, on, or near children or invalids.

Use this Easy Air Compressor only for its “Intended Use” as described in this manual.

DO NOT use attachments not recommended by Precision Medical, Inc.

DO NOT use the Compressor with any equipment that requires “dry” air, including ventilators, gas blenders, or flow generators, without a device to properly dehumidify the discharged air of the PM15.

DO NOT use if the Compressor has a damaged cord or plug.

DO NOT use if the Compressor has been dropped or damaged.

DO NOT drop or insert any object into any openings.

DO NOT cover air vents. Restriction of air flow will cause unit to overheat, causing the thermal reset to shut down the Compressor.

Specifications

Dimensions:	Length: 16 in (40.6 cm) Width: 7.25 in (18.4 cm) Height: 10.25 in (26.0 cm)
Weight:	Weight: 19.5 lbs (8.8 kg)
Shipping Weight:	23 lbs (10.4 kg)
Electrical:	PM15-F & PM15-P: 120 VAC ±10%, 60 Hz, 5 Amps PM15E: 230 VAC ±10%, 50 Hz, 3.2 Amps PM15EFGB: 220/230 VAC, 50 Hz, 2.8 Amps
Outlet:	Grounded 9/16 - 18 Male Threaded Fitting
Operating Range:	Models Equipped with a **Pressure Gauge** Maximum Rated Sustained Pressure: 60 psi **PM15 Output:** 50 psi.....Minimum 13 l/min **PM15E/PM15EFGB Output:** 50 psi....Minimum 9 l/min Models Equipped with a **Flow Gauge** **PM15-F & PM15EF Output:** **(± 1 l/min)** l/min - as set and read on the gauge
Operating Temperature Range:	50°F to 104°F (10°C to 40°C)
Storage Temperature Range:	-4°F to 104°F (-20°C to 40°C)
Storage/Operating Humidity:	Maximum 95% Noncondensing
Safety Systems:	High Temperature Motor Shutdown
Thermal Protector:	Class B, Thermal Limit Automatic Reset
Equipment Classification:	Class I - with respect to protection from electrical shock Type B - degree of protection against electrical shock IPX0 - degree of protection against ingress of liquids Mode of Operation - continuous

The Compressor meets the EMC requirements of EN 55011: Group 1 Class B.

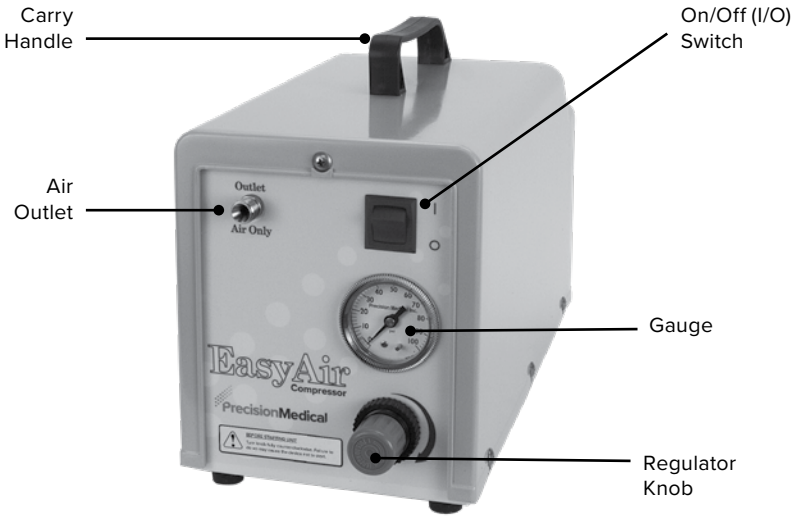
The Compressor meets the requirements of CGA V-5: section 5.4.

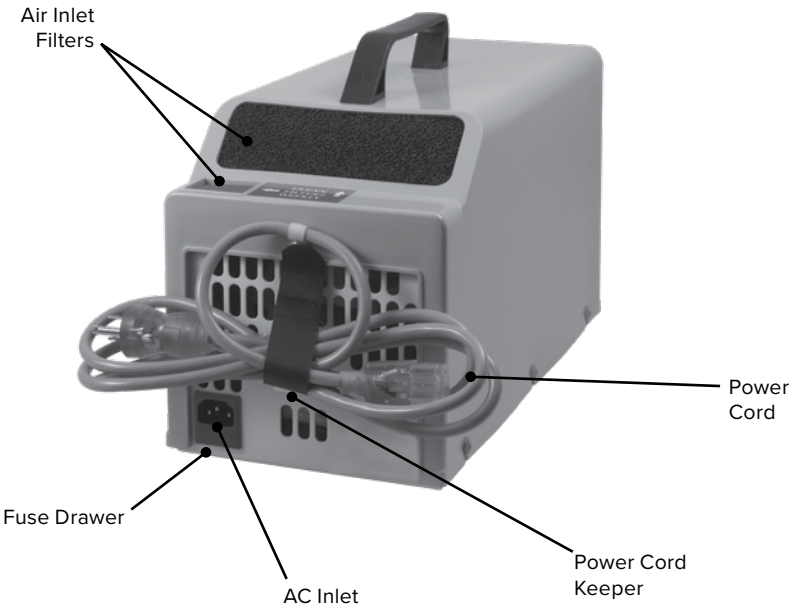
This Compressor is not suitable for use in the presence of a flammable anesthetic mixture with air, with oxygen or with nitrous oxide.

Specifications are subject to change without prior notice.

Component Description

⚠ CAUTION
Missing or illegible labels must be replaced. Contact Precision Medical, Inc.





Grounding Instructions

The Easy Air Compressor must be plugged into an electrical outlet that is properly grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock. This product is equipped with a grounding circuit.

⚠ DANGER
Improper use of the grounding plug can result in a risk of electrical shock.

⚠ WARNING
Ground reliability can only be achieved when the power cord is connected to an equivalent receptacle marked “Hospital Grade.”

Operating Instructions

CAUTION
Inspect the Easy Air Compressor for visible damage, DO NOT USE if damaged.

1. Become familiar with the Compressor (see Component Identification).
2. Position the Compressor near a properly grounded electrical receptacle. Allow a minimum of 4 in (10 cm) clearance on all sides to ensure adequate air flow for cooling of the Compressor.
3. Ensure the On/Off (I/O) Switch is in the “OFF” (O) position.
4. Ensure the Power Cord is properly connected.
5. Attach appropriate device to the Outlet Fitting securely, without overtightening.
6. **Turn Knob fully counterclockwise. (Failure to do so may cause the device not to start.)**
7. Press the On/Off (I/O) Switch to the “ON” (I) position.
8. Adjust pressure/flow.
   To INCREASE pressure/flow - Turn Knob CLOCKWISE
   To DECREASE pressure/flow - Turn Knob COUNTERCLOCKWISE
9. Compressor is now ready to use.
10. When the Compressor is not in use, press the On/Off (I/O) Switch to the “OFF” (O) position.

Cleaning/Maintenance

⚠ WARNING
Turn the Easy Air Compressor off and disconnect from any external power source before cleaning. **DO NOT** attempt to repair. There are no serviceable parts inside.

To clean the filter (weekly):

1. Unplug Compressor.
2. Check air inlet filters for dust buildup.
3. If dust buildup occurs, remove air inlet filters and wash in warm, soapy water and rinse.
4. Absorb excess water from filter with a dry towel.
5. Return the air inlet filters.

Cleaning for Exterior Components:

1. Clean exterior surfaces using Super Sani-Cloth germicidal disposable wipes. Remove all visible contamination from the external surfaces of the device and its accessories. Be sure to closely inspect and remove contamination from seams and recesses on the device that may trap contaminants. Wipe with clean paper towel to remove debris.
2. After all visible contamination is removed; use a second germicidal wipe to thoroughly wet the surfaces of the device and accessories. Allow to remain wet for 4 minutes. Use additional wipes if needed to ensure surfaces are wetted continuously for 4 minutes.
3. Allow device to air dry completely.
4. Visually inspect the device for visible contamination. Repeat cleaning/disinfection process if necessary.

CAUTION
Excessive dust buildup on filter will reduce performance of Compressor. If this occurs, clean or replace with a new filter. ***The air filter does not filter out saline***. Treatments using nebulized saline will draw the saline mist back into the Compressor. Saline causes rapid deterioration of the compressor seals and will void the warranty.

Maintenance

The EasyAir Compressor should be serviced if the device does not meet flow specification.

Return the Easy Air Compressor to your Provider or Distributor for Compressor Maintenance (including rebuilding pump).

Contact Precision Medical, Inc. for Preventative Maintenance Services.

Compressor Rebuild Kit - Part #502060C

Returns

Returned products require a Return Goods Authorization (RGA) number, contact Precision Medical, Inc. All returns must be packaged in sealed containers to prevent damage. Precision Medical, Inc. will not be responsible for goods damaged in transit. Refer to Precision Medical Inc. Return Policy available on the Internet, www.precisionmedical.com.

Manuals available on our website; www.precisionmedical.com

NOTE: ***When returning this Easy Air Compressor, disconnect the power cord from the back of the device.***

Disposal Instructions

This device and its packaging contain no hazardous materials. No special precautions need to be taken when disposing the device and/or its packaging.

Please Recycle 

Replacement Parts

Part #	Description
503237	Large Filter
502391	Small Filter

Troubleshooting

If the Easy Air Compressor fails to function, consult the Troubleshooting Guide below. If problem cannot be solved, consult your Provider.

Problem	Probable Cause	Remedy
Compressor does not operate	On/Off Switch in “OFF” position	Push On/Off Switch to “ON” position
	Power Cord not connected properly	Check Power Cord connections
	Compressor overheated	Shut Compressor Off, Wait 15 minutes, Ensure vents are clear.
	Blown Fuse	Replace Fuse
	Power Interruption	Turn off Compressor. When Power restored, repeat Start Up Procedure.
	Trapped back pressure	BEFORE STARTING COMPRESSOR. Turn Knob fully counterclockwise.
Overheating	Poor Ventilation	Allow a minimum of 4 in (10 cm) clearance on all sides to ensure adequate air flow for cooling of the Compressor.
	Dirty Air Filters	Clean Air Filters
Low pressure/flow	Loose connection at outlet fitting	Tighten connection
	Improper regulator adjustment	Re-adjust regulator

Limited Warranty
and
Limitation of Liability

Precision Medical, Inc. warrants that EASY AIR 15 Compressor (the Product) will be free of defects in workmanship and/or material for the following period:

One (1) year from shipment

Should any failure to conform to this warranty appear within the applicable period, Precision Medical, Inc. shall, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with Precision Medical, Inc.'s instructions and standard industry practice, and that no modifications, substitutions, or alterations have been made to the goods, correct such defect by suitable repair or replacement at its own expense.

ORAL STATEMENTS DO NOT CONSTITUTE WARRANTIES.

The representatives of Precision Medical, Inc. or any retailers are not authorized to make oral warranties about the merchandise described in this contract, and any such statements shall not be relied upon and are not part of the contract for sale. Thus, this writing is a final, complete and exclusive statement of the terms of that contract.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESS OR IMPLIED.

Precision Medical, Inc. shall not under any circumstances be liable for special, incidental or consequential damages including but not limited to lost profits, lost sales, or injury to person or property. Correction of non-conformities as provided above shall constitute fulfillment of all liabilities of Precision Medical, Inc. whether based on contract, negligence, strict tort or otherwise. Precision Medical, Inc. reserves the right to discontinue manufacture of any product or change product materials, designs, or specifications without notice. Precision Medical, Inc. reserves the right to correct clerical or typographical errors without penalty.



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