

OPERATING AND MAINTENANCE MANUAL

- REUSABLE HUMIDIFIER -



Models Included:

FM-HUMID-R

FM-HUMID-RW

FM-HUMID-RB

Rx ONLY

IMPORTANT: SAFETY INSTRUCTIONS

This manual provides you with important information about the Humidifier and should be read carefully to ensure the safe and proper use of this product.

Read and understand all the safety and operating instructions contained in this booklet before using this product.

If you do not understand these instructions, or have any questions, contact your supervisor, dealer or the manufacturer before attempting to use the apparatus.

⚠WARNING: Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.

ATTENTION: Indicates a potentially hazardous situation, which if not avoided, could result in minor or moderate injury.

CAUTION: Indicates a potentially hazardous situation, which if not avoided, could result in property damage.



Consult operating manual



Use no oil

Receiving Inspection

Remove product from package and inspect for damage. If product is damaged or incorrect, do not use. Contact your dealer, equipment provider or manufacturer.

ATTENTION: It is very important to allow product to remain in original packaging for 24 hours to acclimate to room temperature before use.

ATTENTION: Store the product in a sealed package to avoid environmental damage. The operating and storage temperature for the Humidifier should reflect typical environmental conditions of a medical facility environment.

User Responsibility

⚠WARNING: Service of this device should **ONLY** be performed by properly trained individuals.

This product performs as explained in this manual as long as the assembly, use, repair and maintenance are properly followed according to our instructions. Periodic review of this device is recommended. If any damage or defects are present, the product should not be used. This includes parts that are worn or missing. If any of the above are noted, immediate repair/replacement is required. If this device is subject to improper maintenance, repair, use and/or abuse leading to malfunction of the device, replacement is the sole responsibility of the user.

⚠WARNING: Due to the possibility of explosion caused by static charge, **DO NOT** operate this device near flammable anesthetics.

⚠WARNING: Always ensure that the Pressure Relief Valve is in place and operational prior to using the Humidifier.

ATTENTION: Keep the Humidifier in a clean area when not being used.

ATTENTION: Ensure that all connections are tightened and free of leaks prior to use. ONLY use an oxygen-safe leak detector when testing for leaks.

ATTENTION: Ensure diffuser is bubbling when Flowmeter is opened.

Intended Use

The Amvex Humidifier is used to provide stable moisture content for maximum patient comfort during the administration of Oxygen or Medical Air.

Purchasing Specifications

Amvex Humidifiers provide high humidity to oxygen or medical air using the bubble-type humidification process. It contains a safety relief valve, an Oxygen DISS female nut inlet fitting and a removable diffuser head, all of which are chrome-plated brass. The outlet fitting is a hose barb for 1/4" ID plastic tubing.

Upper and lower water levels are clearly marked; the jar holds 115mL of water when filled to the upper line.

The Amvex Humidifier includes the jar and lid assembly (lid, sealing gasket and diffuser).

Technical Specifications

Product Dimensions (DiaxH)	2.6" x 6.25"
Jar Capacity To Max Line	115 ml
Capacity Of Usable Water	57.5 ml from lower to upper lines
Inlet Fitting	Oxygen DISS female with wing nut 9/16 -18 thread
Outlet Fitting	Hose barb 1/4" inner diameter plastic tubing

Operating Instructions

1. Inspect products for visible damage. DO NOT use if any damage is found.
2. Add water into the bottle between upper level and lower level line.
3. Connect the humidifier directly to a flowmeter.
4. A connection tube is connected to its output port.
5. Bubbles will occur when flowmeter is open.

Pressure Relief Valve

The Humidifier is equipped with a Pressure Relief Valve designed to activate at a pressure of 2 psi while venting to atmosphere at a flowrate of 2LPM Check the downstream delivery tubing and the delivery device and remove any obstruction (such as kinked tubing).

Maintenance and Inspection

⚠️ WARNING: Sterilize Humidifier after each patient use.

If during normal operation, bubbling from the diffuser should decrease or stop completely, Check the following:

- The Oxygen or Medical Air source is adequate;
- Diffuser Assembly is tight to the Humidifier lid;
- Diffuser is not clogged or plugged.

Ensure Humidifier is clean and that no foreign objects are inside the jar before use.

Ensure the Relief Valve is in working condition.

- To check Relief Valve, set Flowmeter to 3LPM, and occlude the Humidifier outlet.

Cleaning Instructions

The lid assembly is dishwasher safe and can be gas sterilized up to 65°C (150°F).

The jar is dishwasher safe and can be steam autoclaved up to 121°C (250°F) for 20 minutes.

WARRANTY

Amvex warrants its Medical Secondary Equipment to be free from defects in material and workmanship for a period of One (1) year from the date of shipment. This warranty is valid only when the product has been properly installed according to Amvex specifications, used in a normal manner and serviced according to factory recommendations. It does not cover failures due to damage which occurring in shipments or failures which resulting from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

AMVEX DOES NOT HONOR VERBAL STATEMENTS CONCERNING THE WARRANTY.

The distributor and/or dealer is not sanctioned to create verbal warranties about the product described in this agreement. Any statements will not be honored or be made part of the agreement of sale. This document is the final, complete and exclusive terms of the agreement.

THIS WARRANTY IS INCLUSIVE AND REPLACES ALL OTHER WARRANTIES.

Amvex shall not, under any circumstances, be liable for incidental or consequential damages including, but not limited to, profit loss, loss of sales or injuries to person(s) or property. Correction of non-compliances as noted above will result in completion of all liabilities of Amvex whether based on agreement, neglect or otherwise.

Amvex reserves the right to stop manufacturing any product or change materials, designs or specifications without notice.

All claims for warranty must first be approved by Amvex's Repair Department: (905-764-7736 Toll Free: 1-866-462-6839). A valid Return Goods Authorization (RGA) number must be obtained from Amvex prior to commencement of any warranty claim.