

NOITUAD

MOITUADA

AMARNING

Symbol for "USE NO OIL"

CONSULT ACCOMPANYING DOCUMENTS

avoided, may result in property damage. a potentially hazardous situation which, if not

Used without the safety alert symbol indicates

if not avoided, may result in minor or moderate Indicates a potentially hazardous situation which,

if not avoided, could result in death or serious Indicates a potentially hazardous situation which,

SAFETY INFORMATION - WARNINGS AND CAUTIONS

contact your Provider.

If you do not understand this manual, DO NOT USE the Flowmeter and This is provided for your safety and to prevent damage to the Flowmeter. This manual instructs a Professional to install and operate the Flowmeter.

READ ALL INSTRUCTIONS BEFORE USING

medical oxygen to a patient.

and other authorized hospital personnel to administer selected doses of The Flowmeter is intended for use by physicians, respiratory therapists

INTENDED USE

your Provider.

inspect for damage. If there is any damage, DO NOT USE and contact Remove the Precision Medical, Inc. Flowmeter from the packaging and

RECEIVING / INSPECTION

PrecisionMedical



OXYGEN SELECT FLOWMETER

MODEL: 3MFA1001



503283 Rev 14

Only qualified personnel should repair this Flowmeter.

(Sontinued on Inside)

- Store Flowmeter in a clean area when not in use.
- This will void the warranty.
- DO NOT immerse Flowmeter in any kind of liquid.
 - DO NOT clean with aromatic hydrocarbons.
- DO NOT gas sterilize with EtO (Ethylene Oxide)
- DO NOT autoclave. Only use oxygen-safe leak detector to test for leaks.
 - Be sure all connections are tight and leak free.
 - Flowmeter.
- Only personnel instructed and trained in its use should operate this upright position.
- This Flowmeter must be operated with the Flow Tube in a vertical,

MOITUAD

- DO NOT smoke in an area where oxygen is being administered. substances, vapors or atmosphere.
- DO NOT use near any type of flame or flammable/explosive materials on or near this Flowmeter.
- DO NOT use oils, greases, organic lubricants or any combustible
- and Flowmeters (E-7) and Oxygen Handling (G-4).
- ALMAYS follow ANSI and CGA standards for Medical Gas Products To Reduce the Risk of Fire or Explosion:
 - NO FLOW is delivered to the ports indicated by the "OFF" arrows 1014. "ON" arrow 🔫
 - FLOW IS ONLY DELIVERED to the selected port indicated by the receiving flow from proper outlet port.
 - the Flowmeter. After activating Flowmeter, be sure patient is
 - ALWAYS rotate and lock connector body into place before using the results of an MRI.
- This Flowmeter contains magnetic, ferrous material that may affect and monitor flow on a frequent basis.
 - ALWAYS confirm prescribed flow before administering to patient

AWARNING



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ISO 13485 Certified

SPECIFICATIONS

Model	3MFA1001
Flow Range	0-15 l/min
Gas	Oxygen
Increments	.5 I/min from .5 to 5 I/min 1 I/min from 5 to 15 I/min
Accuracy	±.25 l/min from .5 to 5 l/min ±.5 l/min from 6 to 15 l/min
Max Flush Flow Range	60 - 80 I/min @ 50 psi (3.4 bar) FOR INTERNATIONAL UNITS SEE PRODUCT LABEL
Transport / Storage Requirements	-40°F (-40°C) to 140°F (60°C)

NOTE: Storage / Transport outside the specified range may cause damage to the flowmeter.

The effect on accuracy of flow due to variations in ambient temperature is standard accuracy +7.3% @ 32°F (0°C) and -3.0% @ 104°F (40°C).

Flowmeters calibrated at 50 psi (3.4 bar), 70°F (21°C), standard atmospheric pressure.

International flowmeters are calibrated per specifications marked on Flow Tube.

Specifications are subject to change without prior notice.

OPERATING INSTRUCTIONS

AWARNING

Read this User Manual before installing or operating the Flowmeter.

CAUTION

Inspect the Flowmeter for visual damage before use, DO NOT USE if damaged.

NOTE: Precision Medical, Inc. strongly recommends the use a of kink proof Cannula.

- 1. Turn Knob to the "OFF" position.
- 2. Connect the Flowmeter to a 50 psi (3.4 bar) oxygen gas source. For international Flowmeters, connect to appropriate oxygen source pressure.
- 3. Verify that the Float Ball is at the very bottom of the Flow Tube.

NOTE: If the Float is not resting at the bottom of the Flow Tube, the Flowmeter is leaking; consult the "TROUBLESHOOTING".

4. Adjust Flow:

To increase - Turn Knob counterclockwise

To decrease - Turn Knob clockwise

- 5. Set flow by aligning center of Float Ball with indicator lines on the Flow Tube.
- Adjusting flow beyond the last calibrated indicator line will result in an undetermined flow.
- 7. To obtain maximum flush flow, turn Knob fully Counterclockwise.

NOTE: Flush flow is any flow above the last calibrated line on the Flow Tube with an unrestricted flow, as per Specifications.

- 8. Connect up to three (3) medical devices to the outlet ports.
- 9. Push the Locking Button UP and rotate Connector Body to align the "ON" indicating arrow with the desired outlet port. "OFF" indicating arrows should align with the other two (2) ports not in use.

AWARNING

- ALWAYS rotate and lock connector body into place before using the Flowmeter. After activating flowmeter, be sure patient is receiving flow from proper outlet port.
- FLOW IS ONLY DELIVERED to the selected port indicated by the "ON" arrow
- NO FLOW is delivered to the ports indicated by the "OFF" arrows Topic

To avoid injury to patient:

 ALWAYS confirm prescribed flow before administering to patient and monitor flow on a frequent basis.

CAUTION

- **DO NOT** over tighten Knob when turning off. This will cause damage to the Flowmeter.
- Pressures other than those indicated on the Flow Tube may affect the accuracy of the indicated flow.
- Gas Temperatures other than 70°F (21°C) may affect the accuracy of the indicated flow.
- Attaching accessories to the outlet (which may increase resistance to outlet flow) may change indicated flow but will not affect the accuracy of the flow.
- ONLY use oxygen indexed fittings to connect Flowmeter to oxygen source.

CLEANING INSTRUCTIONS

- 1. Disconnect all connections before cleaning.
- Clean exterior surfaces of the Flowmeter with a cloth dampened with a mild detergent and water.
- 3. Wipe dry with a clean cloth.

TROUBLESHOOTING

If the Flowmeter fails to function, consult your Provider or Precision Medical, Inc.

Problem	Probable Cause	Remedy
Will not shut off	Leak Defective Valve	Replace Tetraseal and/or Housing Replace Body Assembly
Sticking Float Ball	Debris in Flow Tube	Clean Flow Tube
Unable to set desired flow	Blocked Inlet	Replace Body Assembly
Knob will not turn	Valve seized	Replace Body Assembly
No flow at outlet	Outlet port in "OFF" position	Align Outlet port with "ON" arrow Turn Knob counterclockwise

RETURNS

Returned products require a Returned Goods Authorization (RGA) number. Any product returned to Precision Medical, Inc. must be packaged in a sealed container to prevent damage. Precision Medical, Inc. will not be responsible for goods damaged in transit. Refer to Precision Medical, Inc. Return Policy on our website.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

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

(a) Flow Tube and Housing Lifetime of the product
(b) Needle Valve Five (5) years from shipment
(c) All other parts of the Medical One (1) year from shipment

Gas Flowmeter not identified in (a) or (b) above

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 representative 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.