Better performance, greater safety, and lighter weight.

Easier to operate and maintain than any other unit on the market.

- Large breathing chamber incorporates three springs for guaranteed positive pressure. Vents only used air, reducing overall oxygen need and demand valve usage
- Sensor-monitor reminds user if frozen coolant canisters have not been installed prior to use
- Pneumatic pressure gauge displays O2 status
- Electronic alarm sounds when oxygen supply reaches 25% end of service
- Fiber optic warning signals: normal operation, low battery, possible ice missing, and 25% end of service
- Easy to use and "bump-proof" knob prevents accidental cylinder actuation
- Manual quick disconnect prevents O2 loss if gauge line is damaged
- Exceptionally long battery life

Worldwide Safety Approvals Pending

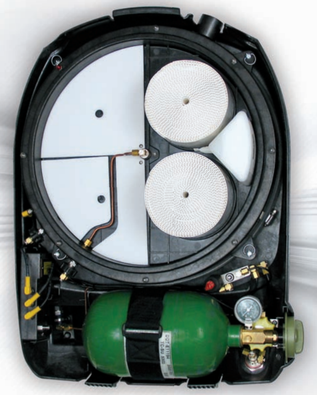
NIOSH • MSHA • EN-145/136

Easier to operate. Less expensive to own.

The BioPak 240 Revolution is designed to deliver lower cost, extended reliability, and easy maintenance. The 240R has a lower initial purchase price, costs less to maintain, and provides a lower total ownership cost than any other closed-circuit, positive pressure, four-hour rebreather. No mandatory replacement parts or factory rebuilds are required for the life of the unit.

To withstand the most rugged use, the 240R's housing features stainless steel fiber-reinforced polymer construction. The simplified internal plumbing design reduces pneumatic tubing and connections, dramatically improving reliability and reducing overall weight. A positive connection between air cylinder and valve assures correct alignment and a secure connection. All hoses, housing, facepiece, and outside materials are made of flame rated materials.

The BioPak 240 Revolution features fewer parts for quick servicing. Service access is simplified with an easy-to-operate latch system and easy to remove breathing chamber.



Lower costs

- Lower initial purchase price
- Lower maintenance costs
- Lower total cost of ownership

Easier to service

- Easy-to-operate latches
- Easy-to-remove breathing chamber
- Threaded positive cylinder connection

Tougher, robust construction

- Stainless steel fiber-reinforced polymer construction
- Reduced tubing and connections
- All electronics are internal
- Flame-tested components
- Material selected for electromagnetic immunity

Specifications:

Weight:	33 lbs. (15 kg)
Dimensions:	23.0" L x 17.3" W x 7.0" D (584mm X 439mm X 178mm)
O2 Cylinder:	440L @ 3000 psig (207 Bar) Medical / Aviation grade O2
Duration:	4 hours (240 mins) Certified
Packaging:	Molded carrying case Optional: soft case

Contents

- BioPak 240 Revolution Unit
- Scott AV3000® facemask
- Cooling canister (2)
- Antifog solution
- Carrying case
- Cylinder filling adapter
- Users manual
- Benchman's manual

Made in U.S.A.

BIOMARINE REBREATHERS

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NEUTRONICS INC.

NB106-506-5

BIOPAK 240 REVOLUTION™

The New State-of-the-art 4-Hour Rebreather

BIOMARINE REBREATHERS

www.biopak240R.com

Worldwide Safety Approvals Pending

BIOPAK 240 REVOLUTION

Answering the call with cutting edge technology.

The new BioPak 240 Revolution Rebreather was developed to protect the men and women who put their lives on the line in dangerous and demanding conditions. Whether it's a mine or tunnel rescue, an industrial accident, a HazMat clean up, search and rescue, or an incident involving military or homeland security, Biomarine helps those who serve and protect to do a better, safer job.

"Our Biomarine BioPak 240 Revolution was developed with direct input from the people who put their lives on the line doing their jobs. We relied on their ideas throughout our design, engineering, and field-testing phases. As a result, our rebreather offers easier breathing, better ergonomics, enhanced safety, faster deployment, and lower service costs."

– Doug Anderson, *Program Manager, Biomarine BioPak 240R.*

"With patented, cutting edge technology and state-of the-art safety and performance, the Biomarine BioPak 240 Revolution represents the most significant advancement in closed-circuit, self-contained breathing apparatus technology in over a decade."

– Joe Sosnowski, *President, Biomarine.*

Easier Breathing

High volume, low resistance breathing means more comfort and less stress:

- Lowest closed-circuit breathing resistance available at all work rates, with **6 liters of tidal volume**
- Large breathing chambers uses three-springs for guaranteed positive pressure
- Vents only used air, reducing O2 and demand valve usage

Faster Deployment

Revolutionary, solid CO2 scrubber design enables a super-fast deployment:

- New, quick-change cooling system lets personnel return to the job faster
- Cuts return to service time by up to 50%
- Change out cooling while unit is being worn, without breaking into the breathing loop or removing the external housing
- Eliminates manual measuring and refilling of granular CO2 absorbent

Greater Safety and Comfort

Designed to keep personnel safer, more comfortable, and fully aware of operational status:

- Optical warnings for low battery, coolant installation status, and 25% end of service
- Radio interference shielding
- Lighter weight, more comfortable to wear
- Flame-rated harness available

Quick-change cooling system

The BioPak 240R's long-lasting, refreezable cooling canisters can be changed in seconds, while the operator is wearing the unit. Positive pressure is maintained and there is no need to open the housing or break the breathing loop.

Simply twist off the external lids, swap out frozen canisters, and replace the lids.

> Quick-change cooling canisters

> Old-style granular CO2 absorbent

> New disposable, solid CO2 absorbent

Faster, easier CO2 scrubber refresh

BioPak 240R's patented and unique scrubbers feature solid CO2 absorbent packaged in disposable cartridges. They are easier to replace than granular absorbent, which requires precise measuring, refilling, and resealing of a canister. The 240R's solid absorbent cartridges make for faster deployment. They will not channel, dust or settle during usage or transportation, and they eliminate the potential for refilling errors.

Continual user feedback

The BioPak 240R keeps the user completely aware of unit status and oxygen supply:

- Temperature sensor alerts user to check if coolant canisters were installed at start-up
- Audible alarm for low O2 and battery
- Pneumatic pressure gauge monitors O2 status and sets off alarm at 25% of service life
- LED warning display in the gauge housing provides color-coded alerts for normal operation, low battery, possible lack of coolant canister installed, and 25% to end of service.

> Alarm condition

> Status OK

> Insert coolant canister reminder

> Gauge features color-coded LEDs

Designed for safety

The BioPak 240R gives the user every safety advantage:

- Stainless steel fiber-reinforced housing provides for a mechanical and electronically robust design
- Hardened breathing chamber
- "Bump-proof" knob prevents accidental O2 cylinder actuation
- Manual quick disconnect prevents O2 loss if the gauge line is damaged
- Electronic alarm sounds when the supply reaches 25% of service life
- Flame-rated harness available

> Bump proof O2 knob

State-of-the-art face mask

The BioPak 240R features the Scott AV-3000® advanced facepiece:

- Improved downward peripheral vision
- Dual voicemitter for increased communications clarity
- 6-point quad adjustment harness for better fit
- Choice of three seal and four nose cup sizes for comfort
- Optional magnetic facepiece lens wiper promotes internal and external surface wiping with a single pass. No facepiece pass-throughs required to operate the wiper!

Enhanced user ergonomics

With a body-contoured design, the BioPak 240R is comfortable to wear and simple to use, with all controls and displays easily accessible:

- Slim profile – can be comfortably worn under protective gear without restricting movement
- Fully padded ergonomic harness positions the unit on the hips instead of the shoulders, reducing operator fatigue
- Harness can be easily adjusted to fit any size user
- Moisture generated within the system during use is retained and prevented from reaching the facepiece

> Lightweight, ergonomic design

> Scott AV-3000® advanced facepiece

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