

Bio Regulator a-320 NRX - Black

The Apollo Bio Regulator A-320 NRX is a high-performance, environmentally sealed regulator system engineered for military, tactical and professional diving operations. Featuring a balanced diaphragm first stage with double diaphragm environmental sealing and an adjustable Bio-Air System (BAS) second stage, the A-320 NRX delivers exceptionally stable breathing performance across varying depths, tank pressures and environmental conditions.

The regulator's environmentally sealed 1st stage isolates internal components from water, contaminants and silt intrusion – significantly reducing corrosion, freeze-up risk and performance degradation in cold or contaminated water environments. The second stage utilises Apollo's proprietary Bio-Air System (BAS) with an internal bypass venturi design to deliver smooth, natural inhalation characteristics while maintaining efficiency under high workload.

Nitrox cleaned and compatible up to 40% oxygen as standard, the A-320 NRX is suitable for enriched air diving without additional preparation. Built with corrosion-resistant materials and precision engineering, this regulator system is designed to withstand demanding operational cycles typical of defence and commercial deployments



FEATURES

- **Balanced Diaphragm First Stage** - Provides consistent intermediate pressure regardless of depth or tank pressure.
- **Double Diaphragm Environmental Seal** - Isolates internal mechanism from water and contaminants, improving cold-water reliability and corrosion resistance.

FEATURES

- **Bio-Air System (BAS) Second Stage** - Internal bypass venturi design delivers smooth, stable breathing performance.
- **Adjustable Airflow Control** - Diver-adjustable inhalation resistance for mission-specific tuning.
- **Nitrox Ready (Up to 40%)** - Oxygen-cleaned and fitted with Viton O-rings.
- **High-Performance Stainless Steel Bucket Filter** - Large surface area for improved airflow stability and extended service intervals.
- **Corrosion-Resistant Construction** - Satin chrome-plated forged brass first stage with protective internal coatings.
- **Swivel LP Hose with Ball Joint** - Enhances comfort and reduces jaw fatigue during extended dives.
- **High-Durability HP Seat (Polyurethane)** - Engineered for long lifecycle performance under high pressure

SPECIFICATIONS

SPECIFICATION	DETAIL
Type	Balanced Diaphragm
Environmental Seal	Double Diaphragm System
HP Ports	2 × 7/16" UNF
LP Ports	5 × 3/8" UNF
Max Working Pressure	Up to 300 bar (DIN configuration)
Filter	Stainless Steel Mesh Bucket Filter
O-Rings	Viton (Nitrox Compatible)
Sealing System	Environmentally Sealed

PRODUCT DATA

SKU	DESCRIPTION	NSN
RE00176BK	Bio Regulator a-320 NRX - Black	N/A