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SMACO S500 B BLACK

SMACO Mini Scuba Tank S500 B User Manual

Model: S500 B BLACK

Brand: SMACO

PRODUCT OVERVIEW

The SMACO S500 B Mini Scuba Tank is a compact and portable underwater breathing device designed for recreational diving and snorkeling. It features a constant voltage design for stable breathing and a double-layer filtration system for cleaner inhaled air. This manual provides essential information for the safe and effective use of your SMACO S500 B.



Image: The SMACO S500 B Mini Scuba Tank shown with its included accessories: the 0.7L pony bottle, a portable carrying bag, an anti-loss rope, and a refill adapter.

Key Components

PRODUCT INFORMATION



- ① Pressure relief valve
- ② Breathing mouthpiece
- ③ Pressure gauge
- ④ One-way inflation valve
- ⑤ High pressure gas storage tank
- ⑥ Explosion-proof valve
- ⑦ Constant pressure valve
- ⑧ Air switch valve

Image: A detailed diagram illustrating the key components of the SMACO S500 B Mini Scuba Tank, including the pressure relief valve, breathing mouthpiece, pressure gauge, one-way inflation valve, high pressure gas storage tank, explosion-proof valve, constant pressure valve, and air switch valve.

1. **Pressure Relief Valve:** Releases excess pressure.
2. **Breathing Mouthpiece:** For direct breathing from the tank.
3. **Pressure Gauge:** Displays the current air pressure in the tank.
4. **One-way Inflation Valve:** Allows air to enter the tank during refilling.
5. **High Pressure Gas Storage Tank:** The main cylinder holding compressed air.
6. **Explosion-proof Valve:** A safety feature to prevent over-pressurization.
7. **Constant Pressure Valve:** Ensures stable air delivery during breathing.
8. **Air Switch Valve:** Controls the flow of air from the tank.

SETUP AND INFLATION

Before using your SMACO S500 B, ensure it is properly inflated and all components are securely attached. The tank has a capacity of 0.7 liters and can provide up to 15 minutes of dive time, depending on individual breathing rate and activity.

Inflation Methods

There are three primary methods to inflate your SMACO S500 B Mini Scuba Tank:

- **SMACO 8mm Refill Adapter:** Connect this adapter to a standard large scuba tank to quickly refill your S500 B. This method typically takes about 6 seconds.



Image: The SMACO 8mm refill adapter, used for connecting the mini tank to a larger scuba tank for quick inflation.

- **SMACO Air Compressor:** Use a SMACO air compressor to fill your 0.7 L diving tank. This method allows for self-filling and takes approximately 18 minutes.



Image: A SMACO air compressor, a device used to fill the mini scuba tank with compressed air.

- **SMACO High Pressure Hand Pump:** This is a manual backup inflation method. Filling the tank with a hand pump requires significant effort and takes about 40 minutes.



Image: The SMACO high pressure hand pump, a manual tool for inflating the scuba tank.

Always monitor the pressure gauge during inflation to avoid overfilling the tank. Refer to the markings on the pressure gauge for safe operating limits.

OPERATING INSTRUCTIONS

The SMACO S500 B is designed for ease of use, providing a reliable air source for underwater activities. For your safety, it is crucial to have basic diving knowledge before using this scuba tank.

Usage Guidelines

- **Depth Limit:** The safe depth limit for the SMACO S500 B is approximately 33 feet (10 meters). It can be used as a backup air source for deeper dives, within 100 feet (30 meters). Always adhere to safe diving practices and your certification limits.
- **Breathing:** The tank features a constant pressure design, ensuring stable and consistent air delivery for comfortable breathing underwater.

- **Air Quality:** A double-layer filtration device is integrated to effectively prevent dust and impurities from entering, ensuring the inhaled gas is clean.
- **Portability:** The compact size and lightweight design make the S500 B easy to carry and maneuver underwater.

Underwater Breathing Artifact

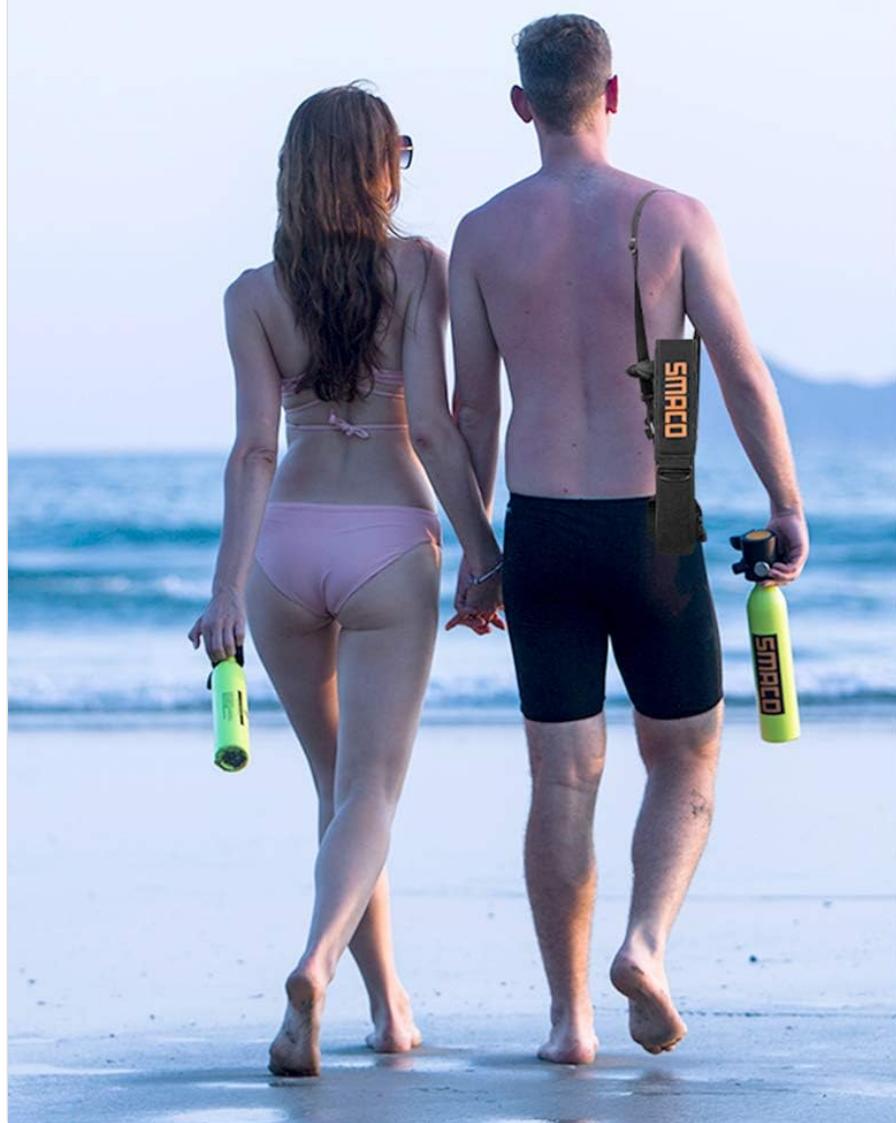
With Mouthpiece 0.7L Bottle
Breathing underwater for up to **10-15 minutes**



Image: Two individuals enjoying underwater activities with their SMACO Mini Scuba Tanks, demonstrating the product's use in a marine environment.

CARRY AROUND

Lightweight and easy to carry



Easy to swim
underwater



Traditional oxygen
cylinders are bulky
and require high
professionalism

Image: Individuals carrying the SMACO Mini Scuba Tanks, highlighting their lightweight and portable design for easy transport to and from diving locations.

MAINTENANCE AND CARE

Proper maintenance ensures the longevity and safe operation of your SMACO S500 B Mini Scuba Tank. The tank is constructed from aerospace aluminum alloys, providing excellent resistance to internal corrosion and physical damage.

Cleaning and Storage

- After each use, rinse the tank and mouthpiece thoroughly with fresh water to remove salt, sand, or other debris.
- Allow all components to air dry completely before storage.
- Store the tank in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the air switch valve is closed when not in use to prevent accidental air loss.

Quality Assurance

SMACO products undergo strict quality testing at every stage, from manufacturing to packaging, to ensure you receive an intact and reliable product.

DURABLE & CORROSION RESISTANT

Made of 6061 Aviation Aluminum



High quality blank cast by wash casting technology, safe and reliable.

Sandblasting and grinding process fine processing, always such as new.

Advanced electro-phoretic spraying technology.

Image: An illustration depicting the manufacturing process of the SMACO scuba tank, highlighting the use of high-quality blank casting, sandblasting, and advanced electrophoretic spraying technology for durability and corrosion resistance.

TROUBLESHOOTING

If you encounter any issues with your SMACO S500 B Mini Scuba Tank, please refer to the following common concerns. For problems not listed here or if issues persist, contact customer support.

Problem	Possible Cause	Solution
Air Leakage	Loose connections, damaged O-rings, or faulty valve.	Check all connections for tightness. Inspect O-rings for wear or damage and replace if necessary. If the leak persists from a valve, discontinue use and contact customer support.

Problem	Possible Cause	Solution
Difficulty Breathing	Low air pressure, obstructed mouthpiece, or regulator issue.	Check the pressure gauge to ensure sufficient air. Inspect the mouthpiece for any blockages. If the tank is full and the mouthpiece is clear, the regulator may require professional inspection.
Tank Not Inflating	Improper connection to inflation source, faulty inflation valve, or issue with pump/compressor.	Ensure the inflation adapter is securely connected. Verify that your pump or compressor is functioning correctly. Check the one-way inflation valve for any debris or damage.

Note: If you experience a regulator malfunction or any significant issue, it is recommended to cease use immediately and seek professional assistance or contact SMACO customer support.

SPECIFICATIONS

Feature	Detail
Model	S500 B BLACK
Brand	SMACO
Capacity	0.7 Liters
Dive Time	Up to 15 minutes (varies by user)
Safe Depth Limit	Approx. 33 feet (10 meters)
Backup Air Source Depth	Within 100 feet (30 meters)
Material	Aerospace 6061 Aluminum Alloy
Filtration System	Double-layer filtration
Inflation Methods	SMACO 8mm Refill Adapter, SMACO Air Compressor, SMACO High Pressure Hand Pump
ASIN	B08GHVD5FW
Date First Available	August 24, 2020

S300

S500



TIME: ABOUT 5-10MINS
CAPACITY: 0.5L

TIME: ABOUT 10-15MINS
CAPACITY: 0.7L

Constant pressure

Constant pressure

Valve switch

Valve switch

Image: A comparison chart showing the differences between the SMACO S300 and S500 models, highlighting the S500's larger capacity (0.7L) and longer dive time (10-15 minutes), both featuring constant pressure and a valve switch.

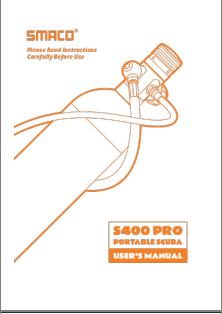
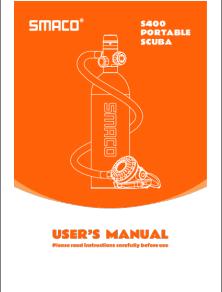
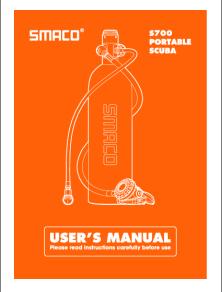
WARRANTY AND SUPPORT

SMACO is committed to providing high-quality products and excellent customer service.

- Customer Support:** SMACO offers 7*24 hours online service and lifetime customer support for all products.
- Contact:** For any inquiries, technical assistance, or warranty claims, please visit the official SMACO store on Amazon or contact their customer service directly.

You can visit the official SMACO Store for more information and support: [SMACO Store on Amazon](#)

Related Documents

 The cover of the SMACO S400 PRO Portable Scuba User's Manual. It features a stylized orange and white illustration of a scuba diver holding a hose. The text 'SMACO' is at the top, followed by 'Please Read Instructions Carefully Before Use', 'S400 PRO', 'PORTABLE SCUBA', and 'USER'S MANUAL'.	<p><u>SMACO S400 PRO Portable Scuba User Manual: Safe Diving Guide</u></p> <p>Comprehensive user manual for the SMACO S400 PRO portable scuba device. Learn about product features, operation, safety precautions, troubleshooting, and storage for your underwater diving experience.</p>
 The cover of the SMACO S400 Portable Scuba User's Manual. It features a stylized orange and white illustration of a scuba cylinder and hose. The text 'SMACO' is at the top, followed by 'Please Read Instructions Carefully Before Use', 'S400 PORTABLE SCUBA', and 'USER'S MANUAL'.	<p><u>SMACO S400 Portable Scuba User Manual: Operation, Safety & Maintenance Guide</u></p> <p>Comprehensive user manual for the SMACO S400 Portable Scuba. Learn about product features, operation, assembly, inflation, troubleshooting, storage, maintenance, and safety precautions for recreational diving and emergency use.</p>
 The cover of the SMACO S700 Portable Scuba User's Manual. It features a stylized orange and white illustration of a scuba cylinder and hose. The text 'SMACO' is at the top, followed by 'Please Read Instructions Carefully Before Use', 'S700 PORTABLE SCUBA', and 'USER'S MANUAL'.	<p><u>SMACO S700 Portable Scuba User's Manual</u></p> <p>Comprehensive user manual for the SMACO S700 portable scuba device, covering product introduction, structure, operation, troubleshooting, and safety precautions for recreational diving and emergency use.</p>
 The cover of the SMACO S300 Plus Portable Scuba User's Manual. It features a stylized orange and white illustration of a scuba cylinder and hose. The text 'SMACO' is at the top, followed by 'Please Read This User's Manual Carefully Before Starting Use', 'S300 PLUS', 'PORTABLE SCUBA', and 'USER'S MANUAL'.	<p><u>SMACO S300 Plus Portable Scuba User's Manual</u></p> <p>User's manual for the SMACO S300 Plus portable scuba device, covering product introduction, structure, operation, troubleshooting, storage, maintenance, and precautions.</p>