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SMACO S300 Plus

SMACO S300 Plus Mini Scuba Tank User Manual

Model: S300 Plus

Important Safety Information

Before using your SMACO S300 Plus Mini Scuba Tank, please read this manual thoroughly and understand all instructions. Diving can be dangerous if proper procedures are not followed. This device is intended for recreational use and as a backup air source. Always dive within your certification limits and never dive alone. Ensure all components are in good working order before each use.
For your safety, everyone needs to have certain diving knowledge before using the SMACO scuba tank. It has a safe depth limit of about 33ft (10 meters). It can be used as a backup air source for deep diving within 100 ft (30 meters).

1. Setup

1.1 Initial Inspection

Upon receiving your SMACO S300 Plus Mini Scuba Tank, carefully inspect all components for any signs of damage. Check the threads of the bottle body and valve head to ensure they are in good condition. Verify that all O-rings are present and properly seated.

Image: All components of the SMACO S300 Plus Mini Scuba Tank, including the tank, regulator, and accessories.

1.2 Attaching the Valve Head

Ensure the valve head thread and all its components are in good condition. Carefully screw the valve head onto the tank. Tighten it firmly by hand. Do not use the tank if the thread is damaged.

Video: Detailed instructions for the installation of the SMACO S300 Plus scuba tank components.

1.3 Installing the Anti-Losing Rope

Attach the anti-losing rope to the tank as shown in the diagram to prevent accidental loss during use.

1.4 Filling the Tank

The SMACO S300 Plus offers multiple methods for refilling. Always ensure the tank is securely connected and follow safety guidelines for each method.

- **Local Dive Shop:** The SMACO scuba tank meets DOT standards and can be filled at certified local dive shops.
- **SMACO 8mm Refill Adapter:** Connect to a standard scuba tank to refill your SMACO S300 Plus. This method is fast, taking approximately 4 seconds.

- **SMACO High Pressure Hand Pump:** This is a backup inflation method. It requires manual effort and takes about 30 minutes to fill the 0.5L tank to 200 bar (3000 PSI).
- **SMACO Air Compressor:** This automated method allows you to fill your 0.5L diving tank in about 11 minutes without manual effort.

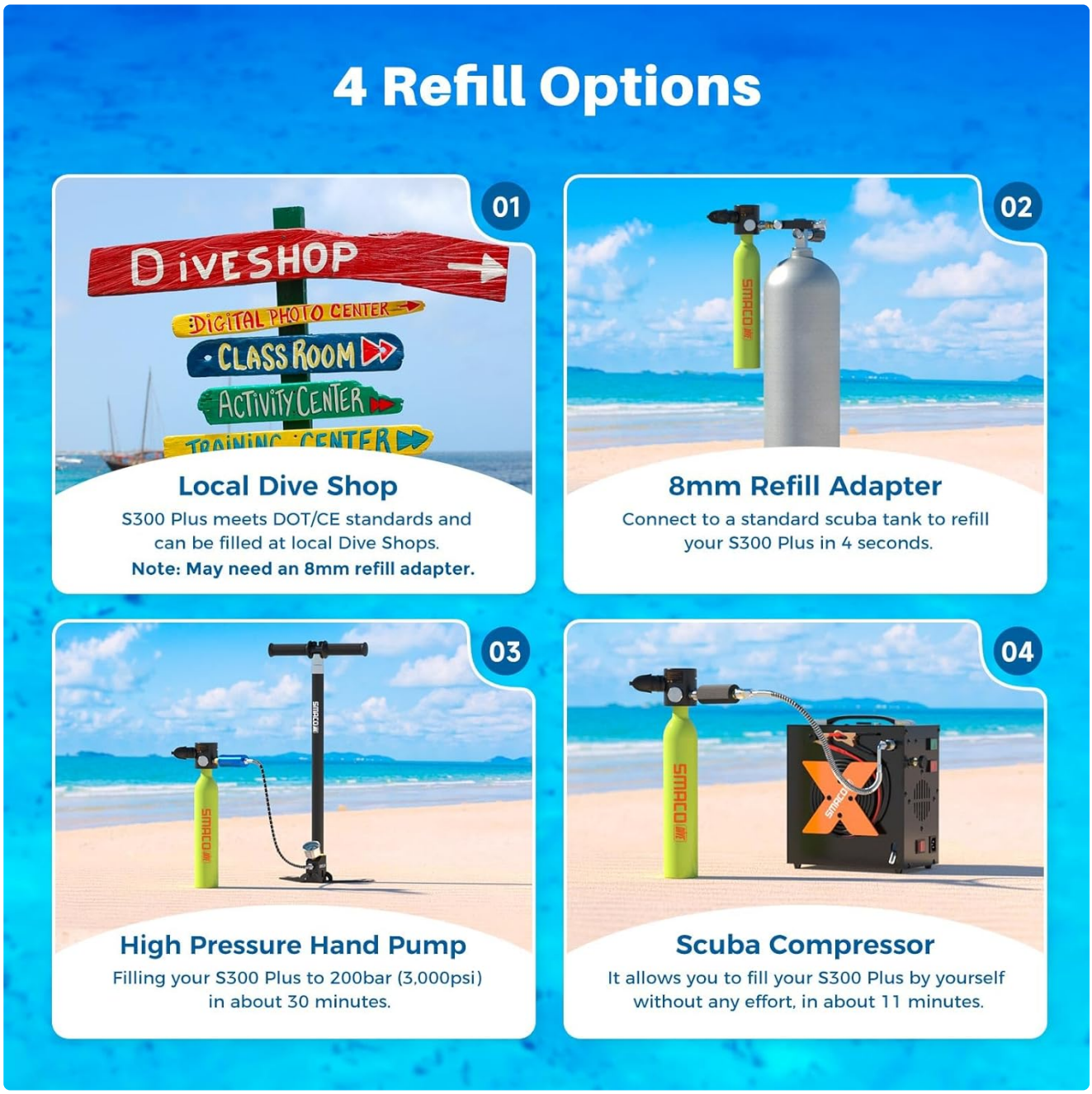

Image: Visual representation of the four available refill options for the SMACO S300 Plus Mini Scuba Tank.

Using the SMACO Air Compressor:

Video: This video demonstrates the step-by-step installation and usage of the SMACO air compressor for filling the mini scuba tank.

Using the High Pressure Hand Pump:

Video: Instructions for installing and testing the high-pressure hand pump for refilling the SMACO mini scuba tank.

2. Operating Instructions

2.1 General Usage

The SMACO S300 Plus Mini Scuba Tank is designed for ease of use. It provides a constant pressure air outlet device, making breathing smoother underwater. Always monitor the pressure gauge to ensure sufficient air supply.

Image: Illustration of the constant pressure air outlet and three-layer filtration system for smooth breathing.

2.2 Regulator Sensitivity Adjustment

The regulator sensitivity can be adjusted for optimal breathing comfort. Refer to the video for detailed instructions on how to fine-tune this setting.

Video: A guide on how to adjust the regulator sensitivity of the SMACO S300 Plus Mini Scuba Tank for optimal breathing.

2.3 Applications

The mini diving cylinder is suitable for various underwater activities:

- Underwater exploration
- Boat cleaning
- Emergency rescue

- Backup air source for deep diving
- Pool inspections

Image: Examples of how the SMACO S300 Plus Mini Scuba Tank can be used for recreational diving, emergency rescue, boat cleaning, and pool inspections.

3. Maintenance

3.1 Cleaning

After each use, rinse the tank and regulator thoroughly with fresh water to remove salt, sand, and other debris. Allow all components to air dry completely before storage.

3.2 Storage

Store the tank in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the tank is partially

filled (around 500 PSI) to prevent moisture from entering.

3.3 O-Ring Inspection

Regularly inspect all O-rings for cracks, tears, or signs of wear. Replace damaged O-rings immediately using the provided spare parts or genuine SMACO replacements.

4. Troubleshooting

4.1 Air Leakage

If you detect air leakage, first check all connections for tightness. Inspect O-rings for damage or improper seating. Replace any worn or damaged O-rings. Ensure the pressure relief valve is fully closed after filling.

4.2 Difficulty Filling

If the tank is difficult to fill, ensure the filling adapter or pump is correctly connected and sealed. Verify that the pressure relief valve on the tank is closed. If using a hand pump, ensure it is properly assembled and lubricated. If using an air compressor, check power connections and settings.

5. Specifications

Feature	Specification
Capacity	0.5 Liters
Max Working Pressure	200 bar / 3000 PSI
Max Diving Depth (Primary)	16 ft (5 meters)
Max Diving Depth (Backup)	100 ft (30 meters)
Material	Aviation Aluminum
Filtration System	Three-layer
Certifications	DOT, CE, GB ISO9001
Item Package Dimensions	14.65 x 7.01 x 4.29 inches
Package Weight	1.53 Kilograms

6. Warranty and Support

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

quality testing from manufacturing to packaging.

- **Customer Support:** 7*24 hours online service.
- **Lifetime Customer Support:** We offer lifetime support for our products.

For any inquiries or assistance, please contact SMACO customer service.

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