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SMACO S700-dp-abk

SMACO Mini Scuba Tank 1.9L Instruction Manual

Model: S700-dp-abk | Brand: SMACO

IMPORTANT SAFETY INFORMATION

This SMACO Mini Scuba Tank is designed for specific applications. Improper use can lead to serious injury or death. Please read and understand all instructions and warnings before use.

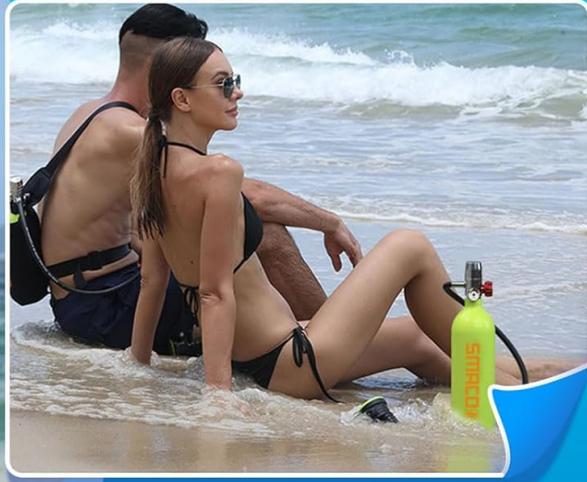
- **Diving Experience Required:** Do not purchase or use this product if you have no prior diving experience.
- **Certification:** If you do not possess a diving certificate, confirm with your local dive shop if they will inflate tanks for uncertified divers.
- **Air Content:** All scuba tanks are not pre-inflated and do not contain any compressed air upon delivery.
- **Pressure Monitoring:** Constantly monitor the pressure gauge readings to ensure a safe return to the surface.
- **Maximum Depths:** For diving practice, pool salvage, boat bottom cleaning, and water rescue, the maximum diving depth is 10 meters (approximately 33 feet). When used as a backup air source, the maximum diving depth can reach 30 meters (approximately 100 feet).

PRODUCT OVERVIEW

The SMACO Mini Scuba Tank 1.9L (Package A-black) is a compact diving system designed for shallow water activities and as a backup air source. It includes a 1.9L DOT cylinder, a regulator, and a diving vest.

SHALLOW WATER DIVING PRACTICE

No more than 33 ft dive depth



Light weight



Easy to use



Mini size



Take on plane

Image: A man on a beach holding the SMACO mini scuba tank and regulator, illustrating its compact size and portability.

Key Components:

- **1.9L DOT Cylinder:** Constructed from aluminum alloy for corrosion resistance.
- **First Stage Regulator:** Equipped with a pressure gauge, switch, inflation interface, decompression chamber, and explosion-proof valve.
- **Second Stage Regulator:** Features a simple breathing valve with a silicone mouthpiece, allowing adjustment of air flow direction.
- **Diving Vest:** Designed to securely fix the gas cylinder on the diver's back.

Reliable Quality



Image: A detailed diagram highlighting the individual components of the SMACO mini scuba tank system, including the pressure gauge, medium pressure tube, explosion-proof valve, breathing mouthpiece, air switch, inflation interface, 360° rotation interface, constant pressure chamber, and tank body.

SETUP

1. Assembly

1. Attach the first stage regulator to the 1.9L DOT cylinder, ensuring a secure and airtight connection.
2. Connect the second stage breathing valve to the first stage regulator.
3. Secure the assembled scuba tank to the diving vest, ensuring it is firmly positioned on the back.

2. Inflation

The SMACO Mini Scuba Tank can be inflated using two primary methods:

- **Using a Scuba Adapter:** Connect the 8mm inflation interface of the mini tank to a full-sized scuba cylinder via a scuba adapter. Air can typically be transferred in approximately 10 seconds.
- **Using an Air Compressor:** Connect the 8mm inflation interface to a compatible air compressor. Inflation typically takes about 45 minutes.

Easy to Inflate



8mm inflation interface



Double filter system



Auto pressure relief



Image: This image displays the two methods for inflating the SMACO mini scuba tank: connecting it to a larger scuba tank with an adapter, or using an air compressor. Both methods utilize the 8mm inflation interface.

OPERATING INSTRUCTIONS

1. Pre-Dive Checks

- Verify that all connections are secure and free from leaks.
- Check the pressure gauge on the first stage regulator to ensure adequate air supply.
- Confirm the second stage breathing valve is functioning correctly.

2. Diving

The 1.9L scuba tank provides approximately 115 breaths at 200 bar (tested at 33 ft depth). Actual diving time may vary based on depth and environmental conditions.

- **Shallow Water Diving:** For activities such as diving practice, underwater fishing, pool salvage, boat bottom cleaning, and water rescue, the maximum recommended depth is 10 meters (33 feet).
- **Backup Air Source:** When used as a backup air source, the maximum diving depth can extend to 30 meters (100 feet).
- **Breathing:** Breathe normally through the silicone mouthpiece. The second stage valve allows for adjustment of air flow.

- **Continuous Monitoring:** Always monitor the pressure gauge to track remaining air supply and plan your ascent safely.



33 ft/10m
diving depth

Approximately 115 breaths (200 bar)

for diving practice

as backup air source

can be taken on board

AVAILABLE FOR FREE DIVING & SCUBA DIVING
Not suitable for untrained people

Image: A man wearing the SMACO mini scuba tank and vest, with visual indicators showing a 33 ft/10m diving depth, approximately 115 breaths (200 bar), suitability for diving practice and as a backup air source, and its allowance on board aircraft (with specific conditions).

3. Applications



Image: A collage demonstrating various uses of the SMACO mini scuba tank, including boat cleaning, recreational diving, and pool inspections, highlighting its versatility in shallow water environments.

4. Product Videos

Diving practice or pool recreation

Video: A diver using the SMACO mini scuba tank for practice in a swimming pool, demonstrating ease of movement and basic underwater maneuvers.

Underwater exploration and fishing

Video: A diver utilizing the SMACO mini scuba tank for underwater exploration and fishing, showcasing its utility in natural aquatic environments.

MAINTENANCE

- **Rinsing:** After each use, thoroughly rinse the entire unit with fresh water to remove salt, sand, and other debris.
- **Drying:** Allow all components to air dry completely before storage.
- **Storage:** Store the tank and regulator in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the tank is not completely empty during storage to prevent moisture ingress.
- **Inspection:** Regularly inspect the tank, regulator, hoses, and mouthpiece for any signs of wear,

damage, or corrosion. The aluminum alloy tank body is designed for good corrosion resistance.

- **Professional Servicing:** It is recommended to have the regulator and tank professionally serviced annually or as recommended by a certified technician.

TROUBLESHOOTING

This section addresses common issues you might encounter with your SMACO Mini Scuba Tank.

Problem	Possible Cause	Solution
Air Leakage	Loose connections, damaged O-rings, faulty valve.	Tighten all connections. Inspect and replace damaged O-rings. If the leak persists, seek professional service.
Difficulty Breathing	Low tank pressure, regulator malfunction, blocked mouthpiece.	Check tank pressure. Inspect mouthpiece for obstructions. If regulator issue is suspected, discontinue use and seek professional service.
Pressure Gauge Malfunction	Damage to the gauge, internal regulator issue.	Do not use the tank if the pressure gauge is not working. Seek professional repair or replacement.

For issues not listed or if solutions do not resolve the problem, contact SMACO customer support or a certified diving equipment technician.

SPECIFICATIONS

Feature	Detail
Brand Name	SMACO
Model Number	S700-dp-abk
Item Dimensions (LxWxH)	4.5 x 4.5 x 16.9 inches
Item Weight	7.9 Pounds
Package Weight	11 Pounds
Tank Capacity	1.9 Liters
Tank Material	Aluminum Alloy
Inflation Interface	8mm
Maximum Shallow Diving Depth	10 meters (33 feet)
Maximum Backup Air Source Depth	30 meters (100 feet)
Breaths (approx.)	115 breaths at 200 bar (33 ft depth)

WARRANTY AND SUPPORT

For specific warranty details and terms, please refer to the documentation included with your product or

contact SMACO directly. If you require technical assistance, have questions about product operation, or need to report a defect, please reach out to SMACO customer service.

Contact information for SMACO can typically be found on their official website or on the product packaging.