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SCUBAPRO MK11/C370

SCUBAPRO MK11/C370 Diving Regulator System User Manual

Model: MK11/C370

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your SCUBAPRO MK11/C370 Diving Regulator System. The MK11/C370 is designed for divers seeking a reliable and compact regulator for various diving conditions. Its marine-grade, chrome-plated brass body is engineered for reduced size and weight, making it suitable for travel. The air-balanced diaphragm first stage ensures consistent and effortless airflow, independent of depth, tank pressure, or breathing rate. Sealed internal components protect the mechanism from water intrusion and enhance cold-water performance. The system includes multiple high-pressure and low-pressure ports for flexible hose routing. Please read this manual thoroughly before using the equipment.

2. SAFETY INFORMATION

Diving with compressed gas is inherently dangerous. Improper use of this equipment can lead to serious injury or death. Always adhere to the following safety guidelines:

- **Professional Training:** Only use this regulator if you are a certified diver and have received proper training in its use.
- **Pre-Dive Inspection:** Always perform a thorough pre-dive inspection of all components, including hoses, O-rings, and connections, to ensure they are secure and free from damage.
- **Pressure Checks:** Verify tank pressure before and during the dive.
- **Air Quality:** Ensure your breathing air source is clean, dry, and meets all relevant standards for diving.
- **Never Hold Your Breath:** Always breathe continuously when using the regulator underwater.
- **Cold Water Performance:** While designed for cold water, be aware of the risks of free-flow in extreme conditions.
- **Authorized Service:** Do not attempt repairs or modifications yourself. All servicing must be performed by an authorized SCUBAPRO technician.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. COMPONENTS OVERVIEW

The SCUBAPRO MK11/C370 Diving Regulator System typically includes the following main components:

- **MK11 First Stage:** The primary component that connects to the cylinder valve and reduces high tank pressure to an intermediate pressure.

- **C370 Second Stage:** The component from which the diver breathes, further reducing intermediate pressure to ambient pressure.
- **Low-Pressure (LP) Hose:** Connects the first stage to the second stage.
- **High-Pressure (HP) Port Plugs:** For sealing unused high-pressure ports.
- **Low-Pressure (LP) Port Plugs:** For sealing unused low-pressure ports.
- **4 MM Allen Key:** For specific adjustments or maintenance tasks as outlined in the service manual.
- **User Manual:** This document.



**AIR-BALANCED
DIAPHRAGM
FOR CONSTANT,
EFFORTLESS
AIRFLOW**

Image: The SCUBAPRO MK11 first stage regulator, featuring its air-balanced diaphragm design for consistent airflow.

4. SETUP AND ASSEMBLY

Follow these steps to correctly assemble your SCUBAPRO MK11/C370 regulator system:

1. Connect First Stage to Cylinder Valve:

Ensure the cylinder valve O-ring is in good condition. Align the MK11 first stage's INT connector with the cylinder valve. Hand-tighten the yoke screw securely. Do not overtighten.

2. Attach Second Stage:

Connect the C370 second stage to one of the low-pressure (LP) ports on the first stage. Ensure the hose is routed comfortably for diving. The MK11 features two high-pressure, two low-pressure, and two high-flow LP ports for optimal hose configuration.



LARGE PURGE BUTTON IS EASY TO ACTIVATE

Image: An assembled SCUBAPRO MK11/C370 regulator system, showing the first and second stages connected by a hose.

3. Connect Pressure Gauge/Computer:

Attach your submersible pressure gauge (SPG) or dive computer transmitter to one of the high-pressure (HP) ports on the first stage. Ensure it is securely fastened.

4. Connect BCD Inflator Hose:

Connect your BCD inflator hose to an available low-pressure (LP) port.

5. Leak Check:

Slowly open the cylinder valve and listen for any leaks. Check all connections for bubbles if submerged in water. If leaks are detected, close the valve and re-check connections.

5. OPERATING INSTRUCTIONS

Proper operation of your regulator is crucial for a safe dive. Familiarize yourself with its features:

- **Pre-Dive Breathing Check:**

Before entering the water, take a few breaths from the second stage to ensure it functions correctly and delivers air smoothly.

- **Diver-Adjustable Inhalation Effort:**

The C370 second stage features a knob to adjust inhalation effort. Turn clockwise for higher resistance (less sensitive) or counter-clockwise for lower resistance (more sensitive). Adjust to your comfort level, typically setting it for minimal effort during the dive.

- **Dive/Pre-Dive Lever:**

The coaxial dive/pre-dive lever helps prevent free-flow at the surface or when the regulator is not in use. Set to "Pre-Dive" before entering the water and switch to "Dive" once submerged and ready to breathe. This lever increases breathing resistance slightly to prevent accidental free-flow.

- **Purge Button:**

The large purge button on the front of the second stage allows you to clear water from the regulator or to deliver a burst of air. Press firmly to activate. Its design makes it easy to operate even with thick gloves.



Image: The SCUBAPRO C370 second stage, highlighting the large, easily accessible purge button.

- **Compact Hi-Flow Mouthpiece:**

The mouthpiece is designed for improved airflow and comfort, fitting various mouth sizes. Ensure it is securely in your mouth during the dive.



COMPACT HI-FLOW MOUTHPIECE IMPROVES AIRFLOW

Image: Close-up of the SCUBAPRO C370 second stage, showing the compact Hi-Flow mouthpiece designed for comfort and optimal airflow.

6. MAINTENANCE

Proper maintenance extends the life of your regulator and ensures safe operation. Always rinse your regulator thoroughly after each dive and have it professionally serviced regularly.

- **Rinsing:** After each dive, with the first stage still attached to a pressurized cylinder (or with the dust cap securely in place), rinse the entire regulator system with fresh, clean water. Do not press the purge button while rinsing unless the first stage is pressurized, as this can force water into the first stage.
- **Drying:** Allow the regulator to air dry completely in a shaded, well-ventilated area. Avoid direct sunlight.
- **Storage:** Store your regulator in a clean, dry place, away from direct sunlight, extreme temperatures, and chemicals. Avoid kinking hoses.
- **Professional Servicing:** SCUBAPRO recommends annual inspection and servicing by an authorized SCUBAPRO dealer, or more frequently with heavy use. This includes replacing O-rings and other critical components.
- **Visual Inspection:** Regularly inspect hoses for cracks, cuts, or bulges. Check the mouthpiece for tears or damage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your regulator. For problems not listed here, or if solutions do not resolve the issue, contact an authorized SCUBAPRO service center.

Problem	Possible Cause	Solution
Free-flow (continuous air delivery)	High intermediate pressure Second stage out of adjustment Cold water free-flow Impact damage	Check intermediate pressure (professional service). Adjust inhalation effort knob (clockwise). Switch to "Pre-Dive" mode if at surface. Submerge regulator to warm it up slightly. Have inspected by authorized technician.
Hard breathing / High resistance	Low intermediate pressure Second stage out of adjustment Clogged filter	Check intermediate pressure (professional service). Adjust inhalation effort knob (counter-clockwise). Have inspected and serviced by authorized technician.
Air leak from connections	Damaged O-ring Loose connection	Inspect and replace O-rings. Tighten connections securely.

8. SPECIFICATIONS

Key technical specifications for the SCUBAPRO MK11/C370 Diving Regulator System:

- **Model Name:** MK11/C370 Dive Regulator System
- **Brand:** SCUBAPRO
- **First Stage Type:** Air-balanced diaphragm
- **Body Material:** Marine-grade, chrome-plated brass (First Stage), Fiberglass-reinforced nylon (Second Stage casing)
- **Ports:** Two high-pressure (HP), two low-pressure (LP), two high-flow LP ports
- **Connector Type:** INT (International)
- **Second Stage Features:** Diver-adjustable inhalation effort knob, coaxial dive/pre-dive lever, large purge button, compact Hi-Flow mouthpiece
- **Suitable for:** Cold, temperate, and warm waters
- **Item Weight:** Approximately 3.45 Pounds (1.57 Kilograms)
- **Item Dimensions (LxWxH):** Approximately 8 x 11 x 9 inches
- **Color:** Black
- **Manufacturer Part Number:** 12.175.000
- **Date First Available:** January 27, 2018

9. WARRANTY AND SUPPORT

Your SCUBAPRO MK11/C370 Diving Regulator System comes with a limited warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your product or visit the official SCUBAPRO website. For technical support, service, or warranty claims, please contact an authorized SCUBAPRO dealer or the SCUBAPRO customer service department. Attempting to service the regulator yourself will void the warranty and could compromise diver safety.

SCUBAPRO Official Website: www.scubapro.com

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