

## SCUBAPRO 10.063.000

# SCUBAPRO MK2 EVO R195 Regulator Instruction Manual

Brand: SCUBAPRO | Model: MK2 EVO R195

## INTRODUCTION

The SCUBAPRO MK2 EVO R195 Regulator system is designed for reliable and efficient underwater breathing. The MK2 EVO first stage features the Extended Thermal Insulating System (XTIS), which enhances freezing resistance in cold water by isolating mechanical components. This downstream piston-style first stage is compact yet delivers increased airflow. The R195 second stage, based on the R190 design, incorporates a classic downstream valve, a large diaphragm, a functional purge button, and a VIVA switch for smooth operation. This system is suitable for various diving conditions and is known for its dependability and ease of maintenance.

## KEY FEATURES

- **MK2 EVO First Stage:** Features a flow-by piston design for consistent performance.
- **Extended Thermal Insulating System (XTIS):** Increases freezing resistance by isolating mechanical elements, making it suitable for cold water.
- **Chromed Brass Construction:** Ensures durability and corrosion resistance in marine environments.
- **Compact and Lightweight Design:** Enhances portability and reduces bulk.
- **R195 Second Stage:** Modern design with a classic downstream valve, large diaphragm, and VIVA switch for easy breathing.
- **Left or Right Hose Routing:** Offers versatility for various diving configurations, including stage or pony bottles.

## WHAT'S IN THE BOX

Your SCUBAPRO MK2 EVO R195 Regulator package includes the following components:

- SCUBAPRO MK2 EVO First Stage Regulator
- SCUBAPRO R195 Second Stage Regulator
- Low-pressure hose connecting the first and second stages
- Owner's Manual / Instruction Booklet



Image: The SCUBAPRO MK2 EVO R195 Regulator system, showing the first stage, second stage, and connecting hoses. This image illustrates the primary components included in the package.

## SETUP

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1. **Inspect Components:** Before each use, visually inspect all components of the regulator system for any signs of damage, wear, or corrosion. Check hoses for cracks or kinks, and ensure O-rings are present and in good condition.
2. **Connect First Stage to Cylinder Valve:**
  - Ensure the cylinder valve O-ring is clean and undamaged.
  - Align the first stage connector with the cylinder valve. For DIN connections, screw the first stage directly into the valve until hand-tight. For Yoke connections, place the yoke over the valve and tighten the screw clamp firmly.
  - Do not overtighten, as this can damage the O-ring.
3. **Connect Hoses:**
  - Ensure all hoses (low-pressure for second stage, high-pressure for pressure gauge, and any additional low-pressure hoses for BCD inflator or drysuit) are securely attached to their respective ports on the first stage.

- The R195 second stage connects to a low-pressure port.
- 4. **Open Cylinder Valve:** Slowly open the cylinder valve fully. Listen for any leaks. The pressure gauge should indicate the cylinder pressure.
- 5. **Check for Leaks:** Submerge the assembled regulator in water (if possible) or listen carefully for any hissing sounds indicating air leaks. If a leak is detected, close the cylinder valve, depressurize the system, and re-check connections or O-rings.
- 6. **Test Second Stage:** Breathe from the second stage to ensure proper airflow. Depress the purge button to confirm it functions correctly.

## OPERATING THE REGULATOR

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The SCUBAPRO MK2 EVO R195 is designed for straightforward operation. Follow these guidelines for safe and effective use:

- **Pre-Dive Check:** Always perform a thorough pre-dive check of your entire diving system, including the regulator. Verify air supply, check for leaks, and ensure all gauges are functioning.
- **Breathing Underwater:** Insert the second stage mouthpiece into your mouth and bite gently on the bite tabs. Breathe slowly and deeply. The R195 second stage provides air on demand with minimal effort.
- **Purge Button:** The large purge button on the R195 second stage allows you to clear water from the mouthpiece or to deliver air to a buddy in an emergency. Press it firmly to activate.
- **VIVA Switch:** The R195 features a Venturi Initiated Vacuum Assist (VIVA) switch. This switch helps prevent free-flow at the surface and provides easier breathing at depth. Adjust it as needed:
  - **Pre-Dive/Surface:** Set to MINUS (-) to prevent free-flow.
  - **Underwater:** Set to PLUS (+) for optimal breathing performance.
- **Monitoring Air Supply:** Regularly check your submersible pressure gauge (SPG) to monitor your remaining air supply. Plan your dive to ensure you have sufficient air for ascent and safety stops.
- **Ascent:** During ascent, breathe normally and continuously. Do not hold your breath.

## MAINTENANCE

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Proper maintenance is crucial for the longevity and safe operation of your SCUBAPRO regulator. Always rinse your regulator thoroughly after each dive and have it professionally serviced regularly.

- **Rinsing:** After each dive, rinse the entire regulator system with fresh, clean water. Ensure the dust cap is securely in place on the first stage to prevent water from entering. Depress the purge button on the second stage while rinsing to flush out any salt or debris.
- **Drying:** Allow the regulator to air dry completely in a shaded, well-ventilated area. Avoid direct sunlight or excessive heat.
- **Storage:** Store your regulator in a cool, dry place, away from direct sunlight, chemicals, and extreme temperatures. Avoid kinking hoses during storage.
- **Professional Servicing:** SCUBAPRO recommends professional servicing of your regulator by an authorized SCUBAPRO technician at least once a year, or more frequently if you dive often or in harsh conditions. This includes inspection, cleaning, and replacement of worn parts and O-rings.
- **Avoid Lubricants:** Do not use petroleum-based lubricants or sprays on any part of your regulator, as these can damage O-rings and other components. Only use oxygen-compatible lubricants if necessary, as recommended by SCUBAPRO.

## TROUBLESHOOTING

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If you encounter issues with your regulator, refer to the following common troubleshooting steps. For persistent problems, contact an authorized SCUBAPRO service center.

Problem	Possible Cause	Solution
Free-Flowing Second Stage	<ul style="list-style-type: none"><li>• VIVA switch set incorrectly (too high at surface)</li><li>• Mouthpiece or diaphragm obstruction</li><li>• Internal component issue</li></ul>	<ul style="list-style-type: none"><li>• Adjust VIVA switch to MINUS (-)</li><li>• Purge the second stage vigorously</li><li>• Inspect mouthpiece for debris</li><li>• Professional service required if problem persists</li></ul>
Hard Breathing / High Work of Breathing	<ul style="list-style-type: none"><li>• VIVA switch set incorrectly (too low at depth)</li><li>• Regulator needs service/tuning</li><li>• Low cylinder pressure</li></ul>	<ul style="list-style-type: none"><li>• Adjust VIVA switch to PLUS (+)</li><li>• Check cylinder pressure</li><li>• Professional service required</li></ul>
Air Leak (Hissing Sound)	<ul style="list-style-type: none"><li>• Loose hose connection</li><li>• Damaged O-ring (cylinder valve or hose)</li><li>• First or second stage internal leak</li></ul>	<ul style="list-style-type: none"><li>• Tighten all hose connections</li><li>• Inspect and replace damaged O-rings</li><li>• Professional service required</li></ul>
Pressure Gauge Malfunction	<ul style="list-style-type: none"><li>• Gauge hose kinked or damaged</li><li>• Gauge itself is faulty</li></ul>	<ul style="list-style-type: none"><li>• Inspect hose for damage</li><li>• Replace faulty gauge or hose</li><li>• Professional service may be required</li></ul>

## SPECIFICATIONS

Feature	Detail
Model Name	Scubapro Mark 2 EVO Regulator, First Stage Only (Note: This manual covers the MK2 EVO First Stage and R195 Second Stage combination)
Part Number	10.063.000
Brand	SCUBAPRO
Material	Chromed Brass
Item Weight	1.3 Pounds (approximately 590g)
Item Dimensions (LxWxH)	1 x 1 x 1 inches (Note: This is a generic dimension, actual product dimensions may vary)
First Stage Type	Downstream Piston
Thermal Insulation	Extended Thermal Insulating System (XTIS)
Second Stage Type	Classic Downstream Valve
VIVA Control	Yes, adjustable
Hose Routing	Left or Right capability for second stage

## WARRANTY & SUPPORT

The SCUBAPRO MK2 EVO R195 Regulator is covered by a manufacturer's warranty. For specific details regarding warranty terms, conditions, and duration, please refer to the warranty documentation included with your product or visit the official SCUBAPRO website.

For technical support, service, or inquiries, please contact an authorized SCUBAPRO dealer or the manufacturer directly. Regular professional servicing by an authorized technician is recommended to maintain warranty validity and ensure optimal performance and safety of your regulator.

Manufacturer: SCUBAPRO

