

## Scubapro 11.332.000

# Scubapro R105 Regulator User Manual

Model: 11.332.000

## 1. INTRODUCTION

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This manual provides essential information for the proper use, setup, operation, and maintenance of your Scubapro R105 Second Stage Regulator. The R105 is designed for reliability and ease of use, making it suitable for various diving applications. Adhering to the guidelines in this manual will help ensure the longevity and optimal performance of your regulator.

## 2. INCLUDED COMPONENTS

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The Scubapro R105 package includes the following:

- Scubapro R105 Second Stage Regulator
- Low-Pressure (LP) Hose

## 3. SETUP

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Proper setup of your R105 regulator is crucial for safe diving.

1. **Connecting to First Stage:** Attach the low-pressure hose of the R105 second stage to an available low-pressure port on your first stage regulator. Ensure the connection is secure and hand-tightened. Do not overtighten.
2. **Hose Routing:** Route the hose comfortably to allow for natural head movement and easy access to the mouthpiece. The R105's design allows for hose orientation to either the left or right side, accommodating diver preference.
3. **Pre-Dive Check:** Before diving, pressurize the system and perform a functional check. Breathe from the second stage to ensure smooth airflow. Check for any air leaks.



*Figure 3.1: Front view of the Scubapro R105 Regulator, showing the mouthpiece and the connection point for the low-pressure hose. This image illustrates the general form factor of the second stage.*

## 4. OPERATING INSTRUCTIONS

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The R105 regulator is designed for straightforward operation.

1. **VIVA Control Knob:** The R105 features a dive/pre-dive (Venturi Initiated Vacuum Assist) control knob.
  - **Pre-Dive Position:** Set the knob to the "Pre-Dive" position (often indicated by a 'PRE' or similar marking) before entering the water or when the regulator is not in use. This setting helps prevent free flow on the surface, especially when facing into a current or during entry.
  - **Dive Position:** Once submerged and ready to breathe, rotate the knob to the "Dive" position (often indicated by a 'DIVE' or similar marking). This optimizes airflow for smooth and effortless breathing underwater.
2. **Purge Button:** The soft, molded purge button is located on the front cover of the regulator. Pressing this button allows for a burst of air to clear water from the mouthpiece or to test airflow.
3. **Breathing Underwater:** Breathe naturally and calmly through the mouthpiece. The R105's downstream valve design ensures consistent and reliable airflow.



Figure 4.1: Top view of the Scubapro R105 Regulator, highlighting the R105 model designation and the dive/pre-dive control knob. This view helps identify key operational features.

## 5. MAINTENANCE

Regular maintenance extends the life of your Scubapro R105 regulator and ensures its safe operation.

- **Rinsing:** After each dive, thoroughly rinse the regulator with fresh, clean water. Ensure the dust cap is securely in place on the first stage (if connected) to prevent water from entering. Do not press the purge button while rinsing unless the regulator is pressurized.
- **Drying:** Allow the regulator to air dry completely in a cool, shaded area away from direct sunlight.
- **Storage:** Store your regulator in a clean, dry place, protected from extreme temperatures, chemicals, and direct sunlight. Avoid kinking hoses during storage.
- **Professional Servicing:** Your regulator requires periodic professional servicing by an authorized Scubapro technician. Refer to your Scubapro dealer for recommended service intervals, typically annually or after a certain number of dives, whichever comes first. This ensures all internal components are inspected, cleaned, and replaced as necessary.
- **Inspection:** Before each dive, visually inspect the regulator for any signs of damage, wear, or corrosion on the hose, mouthpiece, and casing.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your R105 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 Flowing Regulator	<ul style="list-style-type: none"><li>• VIVA control in "Dive" position on surface.</li><li>• Impact or debris in the second stage.</li><li>• Internal component wear or damage.</li></ul>	<ul style="list-style-type: none"><li>• Switch VIVA control to "Pre-Dive" position.</li><li>• Gently tap the regulator to dislodge debris.</li><li>• Seek professional servicing.</li></ul>

Problem	Possible Cause	Solution
Hard Breathing / Restricted Airflow	<ul style="list-style-type: none"><li>• VIVA control in "Pre-Dive" position underwater.</li><li>• Hose kinked.</li><li>• Internal component wear or blockage.</li></ul>	<ul style="list-style-type: none"><li>• Switch VIVA control to "Dive" position.</li><li>• Straighten the hose.</li><li>• Seek professional servicing.</li></ul>
Air Leak from Mouthpiece Area	<ul style="list-style-type: none"><li>• Damaged mouthpiece.</li><li>• Loose or damaged casing.</li><li>• Internal seal failure.</li></ul>	<ul style="list-style-type: none"><li>• Replace mouthpiece.</li><li>• Seek professional servicing.</li></ul>

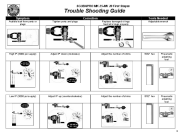



## 7. SPECIFICATIONS

Feature	Detail
Model Name	Scubapro R105 Regulator, Second Stage Only
Part Number	11.332.000
Type	Second Stage Regulator
Valve Design	Classic Downstream Valve
Venturi Control	Dive/Pre-Dive (VIVA) Control Knob
Purge Button	Soft, Molded
Hose Orientation	Adaptable (Left or Right)
Included Components	R105 2nd Stage Regulator, LP Hose
Color	Black and blue
Item Dimensions (LxWxH)	9 x 9 x 0.5 inches
Package Weight	0.58 Kilograms

## 8. WARRANTY AND SUPPORT

**Warranty:** The Scubapro R105 Regulator is covered by a Manufacturer's Lifetime Limited Warranty. Please retain your proof of purchase for warranty claims. For full details regarding warranty terms and conditions, refer to the official Scubapro warranty documentation or contact an authorized Scubapro dealer.

**Support:** For technical assistance, spare parts, or professional servicing, please contact your authorized Scubapro dealer or visit the official Scubapro website for contact information. Regular servicing by certified technicians is essential to maintain the regulator's performance and warranty validity.

	<p><a href="#">SCUBAPRO MK 25-MK 20 First Stages Troubleshooting Guide</a></p> <p>A comprehensive troubleshooting guide for SCUBAPRO MK 25 and MK 20 scuba diving first stage regulators. Learn how to diagnose and fix common issues such as audible leaks, high or low intermediate pressure (IP), and IP creep.</p>
	<p><a href="#">SCUBAPRO G2 Dive Computer Quick Use Guide</a></p> <p>A comprehensive quick use guide for the SCUBAPRO G2 dive computer, detailing button functions, menu navigation, dive screen customization, battery management, transmitter pairing, and heart rate monitor integration. Essential information for divers using the G2.</p>
	<p><a href="#">SCUBAPRO Free Octopus Promotion: Save on Select Regulator Combinations</a></p> <p>SCUBAPRO announces a limited-time promotion offering a free R195 octopus regulator with select SCUBAPRO regulator combinations, including MK25 EVO and MK17 EVO first stages.</p>
	<p><a href="#">SCUBAPRO® Buoyancy Compensator Owner's Manual: Safe Diving Guide</a></p> <p>Comprehensive owner's manual for SCUBAPRO® Buoyancy Compensators (BCs). Learn about safe operation, setup, maintenance, and explore various models like the Master Jacket and Glide series for enhanced scuba diving experiences.</p>