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Oceanic Alpha 10 + CDX

Oceanic Alpha 10 + CDX Yoke Diving Regulator Instruction Manual

Model: Alpha 10 + CDX | Brand: Oceanic

INTRODUCTION

This instruction manual provides essential information for the safe and proper use, maintenance, and care of your Oceanic Alpha 10 + CDX Yoke diving regulator. The Alpha 10 + CDX is a high-performance regulator designed for reliable underwater breathing. Please read this manual thoroughly before using the equipment.

SAFETY INFORMATION

- **Professional Training Required:** Diving with scuba equipment requires proper training and certification from a recognized agency. Do not attempt to use this equipment without appropriate certification.
- **Pre-Dive Checks:** Always perform a thorough pre-dive equipment check before each dive. Ensure all connections are secure and the regulator functions correctly.
- **Regular Servicing:** Your regulator requires periodic professional servicing. Refer to the Maintenance section for recommended service intervals.
- **Nitrox Compatibility:** This regulator is standard to 40% Nitrox. Ensure proper procedures are followed when using enriched air nitrox.
- **Environmental Protection:** The CDX first stage offers environmental protection, suitable for various diving conditions.
- **Emergency Procedures:** Be familiar with all emergency procedures, including free-flow management and alternate air source use.

PRODUCT OVERVIEW

The Oceanic Alpha 10 + CDX Yoke regulator system consists of two primary components: the CDX first stage and the Alpha 10 second stage.

CDX First Stage

The CDX first stage is a balanced diaphragm design, constructed from machined, triple chrome marine brass. It features angled ports for optimal hose routing and environmental protection.



Image: Oceanic CDX First Stage Regulator. This image shows the robust construction and the Yoke connection point for attaching to a scuba cylinder valve.

- **Valve Type:** Balanced Diaphragm
- **Primary Material:** Machined, Triple Chrome Marine Brass
- **Angled Ports:** For ideal hose routing
- **Nitrox Compatibility:** Standard to 40%
- **Environmental Protection:** Yes
- **Number of Ports:** 6 (typically 2 HP, 4 LP)

Alpha 10 Second Stage

The Alpha 10 second stage is designed for ease of breathing and durability, providing a comfortable and reliable air delivery system.



Image: Oceanic Alpha 10 Second Stage Regulator. This image displays the mouthpiece, purge button, and the connection point for the low-pressure hose.

SETUP

- 1. Inspect Equipment:** Before assembly, inspect all components for any signs of damage, wear, or contamination. Ensure O-rings are present and in good condition.
- 2. Connect First Stage to Cylinder:**
 - Ensure the cylinder valve is clean and free of debris.
 - Align the Yoke connector of the CDX first stage with the cylinder valve.
 - Hand-tighten the Yoke screw firmly until secure. Do not overtighten.
- 3. Attach Hoses:**
 - Connect the low-pressure (LP) hose from the first stage to the Alpha 10 second stage.
 - Connect the high-pressure (HP) hose to your submersible pressure gauge (SPG).
 - Connect other LP hoses for your alternate air source (octopus) and buoyancy compensator (BC) inflator.
 - Ensure all hose connections are hand-tight and secure.
- 4. Pressurize System:** Slowly open the cylinder valve fully. Listen for any leaks. Check your SPG to confirm cylinder pressure.
- 5. Function Test:**
 - Breathe from the Alpha 10 second stage to ensure smooth air delivery.
 - Press the purge button on the second stage to confirm it functions correctly and clears water.
 - Test your alternate air source and BC inflator.

OPERATING INSTRUCTIONS

Once the regulator system is properly assembled and tested, it is ready for use in accordance with your dive training.

- **Breathing:** Place the mouthpiece of the Alpha 10 second stage into your mouth and breathe normally. The regulator will deliver air on demand.
- **Purge Button:** The large front cover of the Alpha 10 acts as a purge button. Pressing it will momentarily cause air to flow, clearing any water from the second stage. This is useful for clearing water or testing air delivery.
- **Clearing Water:** If water enters the second stage, exhale sharply into the mouthpiece or press the purge button to clear it.
- **Post-Dive Procedure:** After your dive, slowly close the cylinder valve. Once the valve is closed, purge the regulator to release any remaining pressure in the system. This will depressurize the hoses and make disassembly easier.

MAINTENANCE

Proper maintenance is crucial for the longevity and safe operation of your Oceanic Alpha 10 + CDX regulator.

1. **Rinsing:** Immediately after each dive, rinse your regulator thoroughly with fresh, clean water.
 - Ensure the dust cap is securely in place on the first stage Yoke inlet to prevent water from entering.
 - Do not press the purge button while rinsing unless the regulator is pressurized, as this can allow water into the first stage.
 - Allow the regulator to air dry completely in a shaded, well-ventilated area.
2. **Storage:** Store your regulator in a cool, dry place, away from direct sunlight, extreme temperatures, and chemicals. Avoid kinking hoses.
3. **Professional Servicing:** Your Oceanic regulator requires periodic professional servicing by an authorized Oceanic technician. Refer to your local Oceanic dealer for recommended service intervals, typically annually or every 100 dives, whichever comes first. This ensures optimal performance and safety.
4. **Inspection:** Regularly inspect hoses, mouthpieces, and O-rings for signs of wear, cracks, or damage. Replace any damaged components immediately.

TROUBLESHOOTING

This section addresses common issues. For any problems not listed or if you are unsure, contact an authorized Oceanic service technician.

Problem	Possible Cause	Solution
Free-Flowing Regulator	<ul style="list-style-type: none">• Second stage out of water• Incorrect intermediate pressure• Damaged seat or O-ring• Contamination	<ul style="list-style-type: none">• Submerge regulator• Have serviced by technician• Have serviced by technician• Have serviced by technician
Hard Breathing	<ul style="list-style-type: none">• Low cylinder pressure• Restrictive hose• Regulator out of tune• Contamination	<ul style="list-style-type: none">• Check cylinder pressure, replace if low• Inspect hose for kinks/damage• Have serviced by technician• Have serviced by technician

Problem	Possible Cause	Solution
Air Leak	<ul style="list-style-type: none"> Loose hose connection Damaged O-ring Damaged hose Cylinder valve not fully open 	<ul style="list-style-type: none"> Tighten connections Inspect and replace O-rings Replace hose Fully open cylinder valve

Important: Do not attempt to repair the regulator yourself. Unauthorized repairs can compromise safety and void your warranty. Always seek professional service.

SPECIFICATIONS

Feature	Detail
First Stage Type	Balanced Diaphragm
First Stage Material	Machined, Triple Chrome Marine Brass
Connection Type	Yoke
Nitrox Compatibility	Standard to 40%
Environmental Protection	Yes
Number of Ports	6 (typically 2 HP, 4 LP)
Certifications	EN250, CE
Item Weight	2.9 Pounds (approx. 1.32 kg)
Dimensions (L x W x H)	13.5 x 7 x 3.5 inches (approx. 34.3 x 17.8 x 8.9 cm)

WARRANTY AND SUPPORT

For warranty information, technical support, or to locate an authorized service center, please contact Oceanic directly or visit their official website. Keep your purchase receipt as proof of purchase for warranty claims. Regular professional servicing is often a condition of maintaining your product warranty.

