

XS SCUBA Airwave Octopus - *Instructions for Use*

Introduction

Congratulations for placing a priority on safety and purchasing an Octopus Regulator from XS Scuba. Diving with an extra second stage will provide peace of mind by providing the redundancy needed should an out-of-air emergency occur underwater.

You can dive with confidence knowing each XS Scuba octopus is built to the highest standards. Each XS Scuba octopus is 100% tested prior to final packaging so you know it is going to work when it is called upon.

With proper care and maintenance, your octopus will continue to deliver its factory-new performance for many, many years to come.

Warnings, Cautions and Notes

It is important to pay special attention to the information provided in warnings, cautions and notes, which are accompanied by the following symbols:

⚠ A **WARNING** indicates any situation that, if not avoided, could result in serious injury or death.

⚠ A **CAUTION** indicates any situation or technique that could cause damage to the product, and could subsequently result in injury to the user.

⚠ A **NOTE** is used to emphasize important points, tips, and reminders.

General Precautions and Warnings

⚠ WARNING: Before using this octopus, you must have successfully received training and certification in the technique of SCUBA diving from a recognized training agency (or any Military or government operated diving school). Use of SCUBA equipment by uncertified or untrained persons is dangerous and can result in serious injury or death.

⚠ WARNING: Keep your octopus in good working condition by having it serviced annually at an authorized XS Scuba Dealer. Service, disassembly or adjustment must not be attempted by persons who are not properly trained to work on this regulator.

⚠ WARNING: This regulator is designed for use in water that is 50°F / 10°C and above. Use of this regulator in water temperatures below 50°F / 10°C could result in the regulator freezing and not performing as designed.

⚠ WARNING: This octopus is not configured for commercial use with surface supplied air.

Enriched Air Nitrox Use

⚠ WARNING: Obtain an enriched air nitrox diving certification. In order to fully understand the risks involved with diving elevated percentages of oxygen (above 21%).

Your octopus second stage is safe to use with elevated percentages of oxygen known as enriched air nitrox. This is because an octopus second stage operates at a medium to low pressure that is below 145 psi / 10 bar range.

Preparation and Set Up

⚠ CAUTION: XS Scuba recommends that you have your XS Scuba Dealer install your octopus to prevent over-torquing the hose fittings and to optimize placement of accessory hoses.

The Airwave octopus is a left-handed octopus. This is ideal if you, like most divers, have your octopus on your right side and your practice is to give it to your buddy in an out-of-air emergency. With the mouthpiece facing your buddy, the hose makes a nice, sweeping arc from you to your buddy.

Your octopus needs to be installed into one of the medium pressure (sometimes referred to as low pressure) ports on your regulator's first stage. Which port you select is based upon your personal preference and probably influenced by how you were trained.

Start by removing the appropriate port plug from your regulator's first stage. Inspect the o-ring on the male end of the octopus hose. Make sure that it is free of damage, hair, lint or other contaminants. It should be round and supple. Thread the hose into the port until hand tight. Use a torque wrench with a 5/8" crow's foot to torque the hose to 40 in.lbs / 4.5Nm. Do not over-tighten. It is the o-ring that makes the air-tight seal, not the amount of torque.

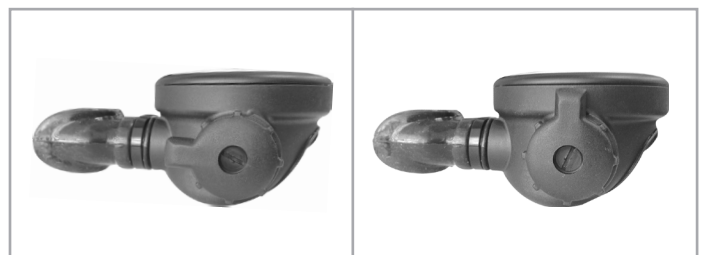
⚠ CAUTION: Do not over-tighten the hose into the first stage. Doing so may damage your regulator and your octopus.

Venturi Switch

On the side of your Airwave octopus you will find a venturi switch. The switch controls the direction of airflow through the octopus. It is very useful for decreasing the sensitivity of the octopus when it is out of your mouth.

As a general rule, whenever the octopus is out of your mouth, set the switch pointing towards the mouthpiece. This will prevent unwanted freeflow. When you place the Airwave octopus into your mouth, toggle the switch 90° clockwise so it points towards the purge cover.

⚠ NOTE: Your octopus will work safely regardless of which position the venturi switch is set.



NOTE: Your octopus is designed to perform optimally with a medium (intermediate) pressure of 135-145 psi / 9.5-10.0 bar coming out of the first stage.

Set the venturi switch so that it points towards the mouth-piece. Slowly pressurize your regulator. Depress the purge button for a couple quick bursts to clear the regulator of any dust or debris. The purge should be loud and strong. Place the octopus in your mouth and take slow, deep breaths while exhaling back into it. The air should come easily and smoothly with no resistance on exhalation.

If your octopus breathes hard or if it is leaking air, it may be due to unusually high or low pressure coming out of the regulator's first stage. If this occurs, take your regulator to your local XS Scuba Dealer so that they may take a first stage pressure reading and troubleshoot your problem.

WARNING: Never dive with your octopus if it is difficult to breathe or if it is leaking air.

Diving

During the course of your dive, your octopus should be secured using any one of a number of different octopus attachment devices. This will protect your octopus so that it doesn't drag across the reef or the sand.

WARNING: This octopus is designed for use in water that is 50°F / 10°C and above. Use of this regulator in water temperatures below 50°F / 10°C could result in the octopus freezing and not performing as designed.

Care and Maintenance

As soon as possible after the dive, it is important to soak or rinse your octopus in fresh water. Warm water (<120°F / 49°C) is best.

If rinsing with a garden hose, do not use a high pressure nozzle as this could compromise the internal parts of your octopus. Be sure to rinse the inside of the octopus via the mouthpiece.

After rinsing, shake any residual water out of the octopus. Hang the complete regulator by the first stage in a cool, dry environment, out of direct sunlight. After your regulator is completely dry, you may store it in a regulator box or bag.

CAUTION: DO NOT store your octopus in a hot environment or near an electric motor, which produces ozone. Prolonged exposure to heat, ozone, chlorine fumes or ultraviolet rays can cause premature degradation of your regulator's soft parts and hoses.

Dealer Inspection and Service

You must obtain factory authorized service from an XS Scuba Dealer at least once a year. Your octopus may require more frequent service depending on the amount of use it receives and the type of environmental conditions that it is subjected to.

If the octopus is used for rental or training purposes, it will require factory prescribed service every three to six months. Chlorinated swimming pool water is an especially damaging environment for scuba equipment, due to the high levels of chlorine and pH balancing chemicals that can cause certain components to rapidly deteriorate.

WARNING: Be sure to have your regulator serviced at least once a year by an XS Scuba Dealer. Your personal safety and the mechanical integrity of your regulator may depend on it.

Warranty

XS Scuba offers a Limited Lifetime Warranty against defects in material and workmanship on their regulators.

This warranty is limited and subject to the following restrictions:

- The warranty is offered to the original owner only
- The regulator must have been purchased from an authorized XS Scuba dealer.
- This warranty does not cover normal wear. Factory prescribed service by an authorized XS Scuba Dealer is required at least once annually.
- Some parts are subject to wear under minimal or normal use. O-rings, seats, filters, diaphragms, valves, tie wraps, mouthpieces and hoses should be inspected for wear on a regular basis. Replacement of these items is usually necessitated based upon normal wear rather than defects.
- This warranty does not extend to damages caused by improper use, improper maintenance, neglect, unauthorized repairs, modifications, accidents, fire or casualties.
- Cosmetic damage, such as scratches dents or nicks, is not covered by this warranty.
- This warranty does not extend to regulators used for rental, training, commercial or military purposes.
- This warranty is limited to repair or replacement at the discretion of XS Scuba.

NOTE: All warranty transactions must be accompanied by proof of original purchase from an authorized XS Scuba dealer. Be sure to save your sales receipt along with proof of prior annual service.

XS SCUBA DISCLAIMS AND EXCLUDES ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states in the U.S, and some foreign countries do not allow exclusions or limitations of liability for incidental or consequential damages, so this may not apply to you.

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