

SR¹

SHERWOOD SCUBA

User's Manual

Thank you for choosing the Sherwood SR1 Regulator.

To get the most satisfying use of this product, please take time to read this entire manual to understand the use and limitations of the product before you attempt to use it. If you have any questions contact your **Authorized Sherwood Scuba Dealer** for immediate attention or you may contact us at www.sherwoodscuba.com.

This User's Manual contains signal words that are intended to designate levels of hazardous conditions. These signal words and their designations are as follows:



WARNING - Indicates a potentially hazardous condition or situation which, if not avoided, could result in death or serious injury.



CAUTION - Indicates a potentially hazardous condition or situation which, if not avoided may result in minor or moderate injury.

NOTICE: Is used to address practices not related to personal injury.



WARNING

Sherwood Scuba equipment is to be used only by individuals trained and certified by a nationally recognized scuba training agency. Diving without the necessary training in safe diving procedures or without observing the practices outlined by your training agency for your level of certification is extremely hazardous and could result in death or serious injury. The contents of this manual are not a satisfactory substitute for certified scuba instruction.



WARNING

Specialty Diving: The SR1 regulator is designed to perform under demanding conditions. However, before you attempt to participate in specialized diving activity you must receive appropriate training in that specialty. Failure to receive training and to master the skills required for these advanced activities could subject you to conditions that could result in death or serious injury. Some examples of advanced diving activities include, but are not limited to:

Deep Diving – Deeper than the generally recognized recreational diving limit at 135 feet of seawater.

Decompression Diving – At combined depth and duration exposures requiring mandatory decompression stops.

Cold Water Diving – Diving in water temperatures less than 50°F (10°C) may require special techniques to avoid conditions that could result in freezing conditions inside regulators and valves. Training should include problem avoidance techniques and emergency procedures for dealing with uncontrolled gas flow from the regulator or valve.

Cave or Wreck Diving – Diving in any situation that provides an overhead environment requires knowledge of the hazards associated with such an environment and specialized configuration of your diving equipment including the proper set up of the alternate breathing supply. Failure to observe recommended practices could result in death or serious injury.



WARNING

Nitrox: The SR1 is manufactured for use with standard air or enriched air nitrox (EAN) with an oxygen component not to exceed 40% at a maximum pressure of 3500 psi (240) bar. If the regulator is used with standard air at any time it will no longer be suitable for use with nitrox unless it is reconditioned for nitrox use by a dealer or other expert trained in the proper cleaning methods. Reconditioning involves cleaning to remove residual hydrocarbons that may have been introduced through exposure to standard air. Failure to properly clean the regulator may increase the risk of fire when used with nitrox. Such risk could result in death or serious injury.



CAUTION

Chemicals & Lubricants: Do not use any lubricants on your regulator between service check-ups. No additional lubrication is required and use of an improper lubricant could introduce conditions adverse to respiratory health or increase the risk of a fire hazard.

INITIAL SET UP

Take time to register your ownership of your SR1 regulator at www.SherwoodScuba.com.

Registration is necessary to participate in Sherwood's free service parts program and to receive product update notices. In order to qualify for free service parts every 24 months you must 1) Purchase your SR1 from an **Authorized Sherwood Dealer**, 2) Register your product with serial number included, 3) Provide proof of service at intervals not exceeding every 24 months.

When your regulator is serviced by an **Authorized Sherwood Dealer** we will provide one set of service parts at no charge. The cost of labor to perform the service is not included and is the responsibility of the customer.

Your **Authorized Sherwood Dealer** is an excellent resource for setting up your regulator for use. Installation of important ancillary devices such as the submersible pressure gauge, alternate air source and buoyancy compensator supply requires specific knowledge on proper installation with the SR1 and this task should be left to a qualified technician.



CAUTION

After your SR1 and associated equipment has been configured be certain to assemble the unit to a diving cylinder and perform a simple test dive in shallow water in a controlled environment such as a pool to verify that the system performs normally and you are familiar with its operating characteristics. Such a test dive may expose potential problems before you arrive at your dive site and avoid potentially disappointing or hazardous circumstances.

BEFORE EACH DIVE

Inspect your regulator and all associated equipment for loose or missing parts or evidence of damage. Do not use the regulator until loose or damaged parts are repaired or properly adjusted.

Test the regulator before each dive by breathing through it at the surface before entering the water. Operation of the purge valve alone does not adequately check the regulator for proper operation.

OPERATION

NOTICE: The SR1 first stage is designed with a dry sealed spring chamber to keep water and other substances out of the interior of the first stage. This not only reduces interior corrosion of the first stage, it prevents ice formation in the spring chamber in cold water diving situations. Many regulators require an after purchase modification to achieve these benefits. It is already included with the SR1 as a standard feature.

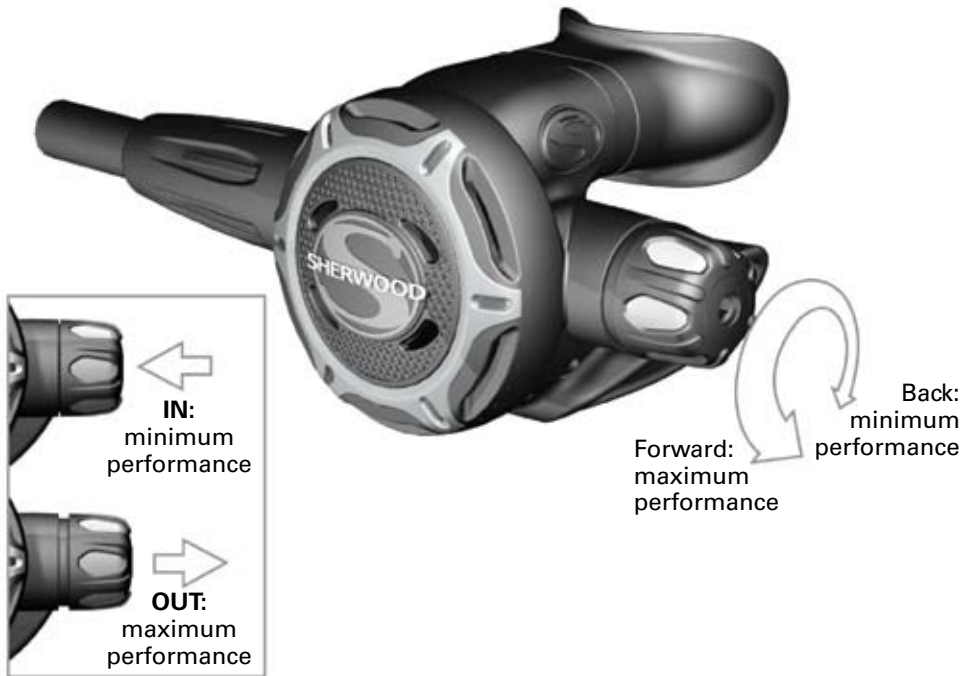
The SR1 first stage has a sealed diaphragm that allows the transmission of water pressure to the internal mechanism. A slight domed shape is within normal operating conditions, and may occur with variation in temperature or altitude. However, any large amount of bulging that distorts the molded logo or protrudes higher than the plastic ring is not normal, and should immediately be inspected by your **Authorized Sherwood Dealer**.



ADJUSTMENT DURING THE DIVE

The SR1 has only one user adjustment, the second stage knob. Adjusting this knob affects both the breathing effort and the venturi assisting effect. The operation of this knob is the same as most regulators of this type, and the easiest way to remember the operation is to think of the wheels on a car. While you dive, you turn the knob forward (counterclockwise) to “roll forward” the performance, or turn the knob back (clockwise) to “roll back” the performance.

Also, note that when the knob is “rolled back” to minimum performance it is fully “IN”, and when it is “rolled forward” to maximum performance it is fully “OUT”.



When diving at the surface or when the regulator is out of the water, it is important to adjust the regulator sensitivity to the least sensitive position (rolled back, fully “IN”) to stop the venturi assisting effect and minimize the possibility of uncontrolled free flow of air.

While diving, it is recommended that the regulator be operated at the greatest sensitivity available without causing the regulator to free flow. Breathing with greater resistance will not conserve air and, in fact, may result in more work and increased air consumption.

AFTER THE DIVE

As soon as possible after the day’s diving activity, it is recommended that the regulator be thoroughly rinsed in fresh water **WHILE IT IS STILL PRESSURIZED**. Rinsing while pressurized will prevent the introduction of contaminants into the sealing areas of the regulator and preserve reliability.

If it is not possible to rinse while pressurized, be certain to keep water and contaminants away from the regulator first stage inlet. Dry the inlet area and the inside of the dust cap, then securely replace the dust cap before attempting to rinse the regulator. Do not operate the purge while rinsing.

Operating the purge opens the second stage valve and increases the risk of contaminants entering the second stage valve system.

STORAGE

Be certain the regulator is dry before storage to minimize opportunities for bacteria or fungal growth. Although the regulator will tolerate short periods of temperature extremes between -4°F and 160°F (-20°C and 70°C), it should be stored inside a regulator bag at room temperature and away from sunlight (UV) exposure to maximize the life of the seals and other components.

AUTHORIZED SERVICE

In order to maintain the product warranty and optimum performance your SR1 must receive service from an **Authorized Sherwood Dealer** every 24 months or 300 hours of use, whichever comes first. Service includes disassembly, cleaning, replacement of o-rings and lubrication as necessary and adjustment for optimal performance.

If you need assistance in locating an **Authorized Sherwood Dealer** for service contact us at www.SherwoodScuba.com.

LIMITED LIFETIME WARRANTY

Sherwood Scuba warrants that the SR1 model regulator purchased from **Authorized Sherwood Scuba Dealers** shall be free of defects in workmanship and materials for the lifetime of the original purchaser.

Under this warranty Sherwood will either repair or replace, at its sole option, any original parts that fail to perform as intended. This warranty excludes products subject to abuse, neglect, alterations or improper unauthorized service. Warranty also excludes parts subject to wear such as hoses, mouthpieces, seals, and metal parts with mild corrosion from exposure to seawater.

Under this warranty plan Sherwood will replace warranted parts but the labor to replace parts is excluded and the responsibility of the owner.

In order to use this warranty you must provide proof of purchase from an **Authorized Sherwood Dealer**. Save your receipts as proof of purchase. If you are unsure as to whether a dealer is authorized, contact us at www.SherwoodScuba.com for verification.



Under certain circumstances you may be eligible for free service parts. Consult your **Authorized Sherwood Dealer** to determine your eligibility.

Sherwood specifically disclaims liability for any consequential, special or indirect damages arising out of use of your Sherwood regulator.

Warranty laws in your state may affect your rights and should be consulted if you believe the terms of the warranty do not apply to you.



Purchase Date: _____

First Stage S/N: _____ Second Stage S/N: _____

SERVICE RECORD

Dealer _____ Date _____

Address _____

Service Technician Signature _____

Dealer _____ Date _____

Address _____

Service Technician Signature _____

Dealer _____ Date _____

Address _____

Service Technician Signature _____



Dealer _____ Date _____

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