

O-6000 OCTOPUS

OWNER'S MANUAL

Introduction

IST would like to take this opportunity to thank you for supporting our product. IST O-6000 is a perennial octopus favorite. Based on proven design, this octopus has served thousands of divers, providing them with reliability as well as safety. This super low profile octopus measures in at only 4.4cm (1.7") in height and 123g (0.27lb) without hose, one of the smallest and lightest available on the market! With the standard of IST O-6000 reaching the requirement of CE certification EN250, you can trust this smart piece of equipment, built under our stringent quality control, will bring you years of dependable, trouble-free service.

The performance of any SCUBA equipment requires its user's input. Care must be exercised when storing, using and maintaining such an important breathing apparatus. With proper understanding of this manual, your IST O-6000 octopus will bring you many memorable diving experiences.

Happy diving!

Warning!!!

- Before using IST O-6000 or any other SCUBA equipment, proper training and certification must be obtained from a recognized SCUBA training institution to ensure safe operation, both to you and the others. Improper use of SCUBA equipment may result in serious injury or even death.

- This octopus is designed for RECREATIONAL diving in water with temperature above 10℃ and above the depth of 50m. This product is not intended for diving in polluted water or cold water with temperature at or below 10℃.

- Please do not use IST O-6000 with any gas mixture / gas other than purified, compressed air (21% oxygen and 79% nitrogen by volume). Failure to observe this can cause detrimental damages to the rubber and plastic parts in the octopus and hose, which can lead to injury or death.

- Do not use any petroleum based lubricant, solvent or aerosol as detrimental damages to the rubber and plastic parts in the octopus and its hose may occur, causing malfunction.

- For best performance, the IST O-6000 octopus should be working with a 1st stage intermediate pressure setting between 9.5bar to 10.0bar (138psi to 145psi). Above or below the prescribed range may cause damage to the octopus and / or injury or death to the user.

- Do not attempt to open you IST O-6000 for inspection or any other purpose. Unintended damage may result. If you have any questions, please contact your local official IST dealer.

Using IST O-6000 octopus

- Setting up for a dive – Make sure 1) the IST O-6000 octopus low-pressure hose is securely fastened to one of your 1st stage's low-pressure ports and 2) the 1st stage intermediate pressure is in the range prescribed in the specification section of the manual. With the 1st stage properly is attached to the cylinder, slowly open the air supply valve to avoid damaging your regulator set and other accessories. Check for leakage, including IST O-6000, along the entire SCUBA system.

- Before a dive - Test the octopus by 1) pressing the purge button (in the middle of the purge cover) two to three times to see if the output is smooth and uninterrupted; 2) breath deeply through the octopus to see if it is unrestrictive. If there is any doubt, do not dive with the system until it is thoroughly checked by an official IST dealer.

- After a dive – At the end of each day's diving, IST O-6000 must be cleaned by immersion in clean, fresh water followed by thorough flushing with more fresh water to remove all traces of salt, mineral deposit and foreign objects. If your regulator system is not pressurized during cleaning, make sure the first stage's dust cap firmly seals air inlet so no moisture can enter and cause corrosion to the entire system. Do not press the purge valve of your primary and IST O-6000 octopus for the same reason. Air dry completely before storing.

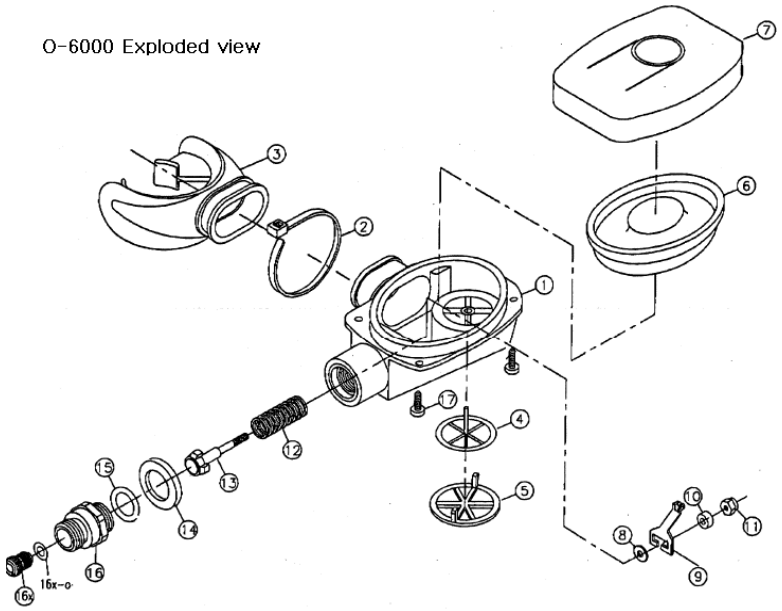
- Storage – place your regulator and IST O-6000 in a cool, clean and dry place. Do not store the regulator on a cylinder (pressurised or not). Avoid excessive and long exposure to heat, ozone, chlorine and ultraviolet rays. Do not assume that your breathing system is in good working condition because of good storage or infrequent use. Prolonged or improper storage can still result in internal corrosion and / or deterioration of the O-rings. It is strongly advised that IST O-6000 mouthpiece is blocked with an octopus plug to prevent foreign matters from entering.

Maintenance

- The performance of the regulator and your own safety need your attention and action. As a guide, IST recommends inspection and adjustment made to your IST O-6000 octopus at least once a year; however, the service schedule should be shortened if it is used frequently. This task should be carried out only by an official IST dealer.

- Do not disassemble your IST O-6000 octopus unless done by an authorized technician.

- If discoloration or contaminant residue can be visually spotted anywhere on or in the cavities of the 1st stage, primary 2nd stage or octopus, please do not use and have your system tested by an authorized technician.



1) Body
2) Cable tie
3) Mouthpiece
4) Exhaust valve
5) Exhaust valve cover
6) Diaphragm
7) Purge button cover
8) Spacer
9) Lever arm
10) Spacer
11) Nut (stainless + nylon)
12) Spring
13) Inlet valve
14) Brass ring
15) O-ring
16) Inlet nipple
17) Screws * 4

Specification:

- Type: Open circuit, diaphragm actuated down stream demand valve
- Dimension: Purge cover length @ 7.9cm, overall length @ 11.3cm (excluding hose), width 6.8cm (excluding mouthpiece), height @ 4.4cm
- Weight: 123g
- Material: Body: nylon, strengthened with fiber insert; purge cover: high impact PC; metallic parts: high grade stainless steal
- 1st stage intermediate pressure: 9.5bar ~ 10.0bar (138pcs ~ 145psi)
- Maximum operating depth: 50m