



IF-0 Owner 's Manual



Thank you for choosing IST IF-O Inflator-Octo

1. IMPORTANT WARNINGS

WARNING

THIS MANUAL MUST BE READ AND UNDERSTOOD ENTIRELY BEFORE USING THE PRODUCT. IT IS ADVISED THAT YOU KEEP THIS MANUAL IN YOUR POSSESSION DURING THE ENTIRE LIFE OF YOUR IF-O.

WARNING

When diving, you must follow the rules and apply the skills taught by a recognized scuba diving certification agency. Before taking part in any diving activity, it is mandatory to have successfully completed a scuba diving course covering both theoretical and technical aspects of diving.

WARNING

Do not push down on the purge button in low temperatures, as this may cause a second stage freeze-up.

WARNING

Max Intermediate Pressure is 1.103 kPa (155 psi).
Using the IF-O with first stages exceeding this intermediate pressure may cause air leakage from the mouthpiece and inflation of the buoyancy vest.

2. CE CERTIFICATION

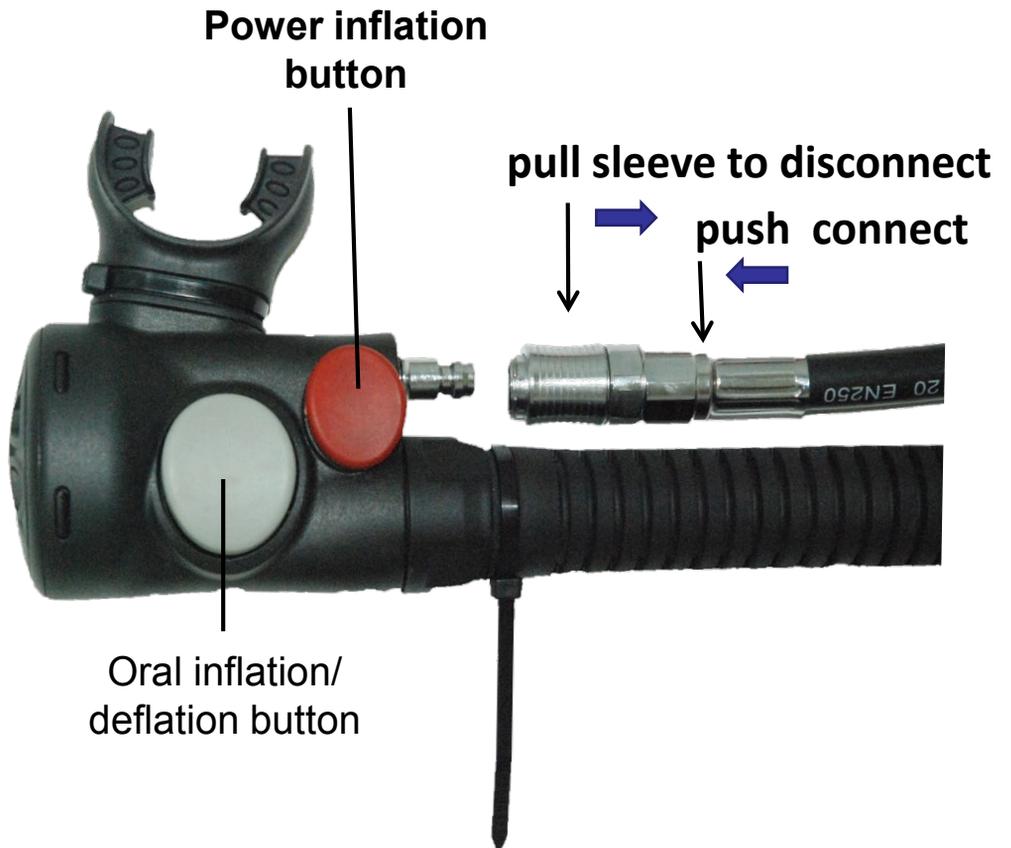
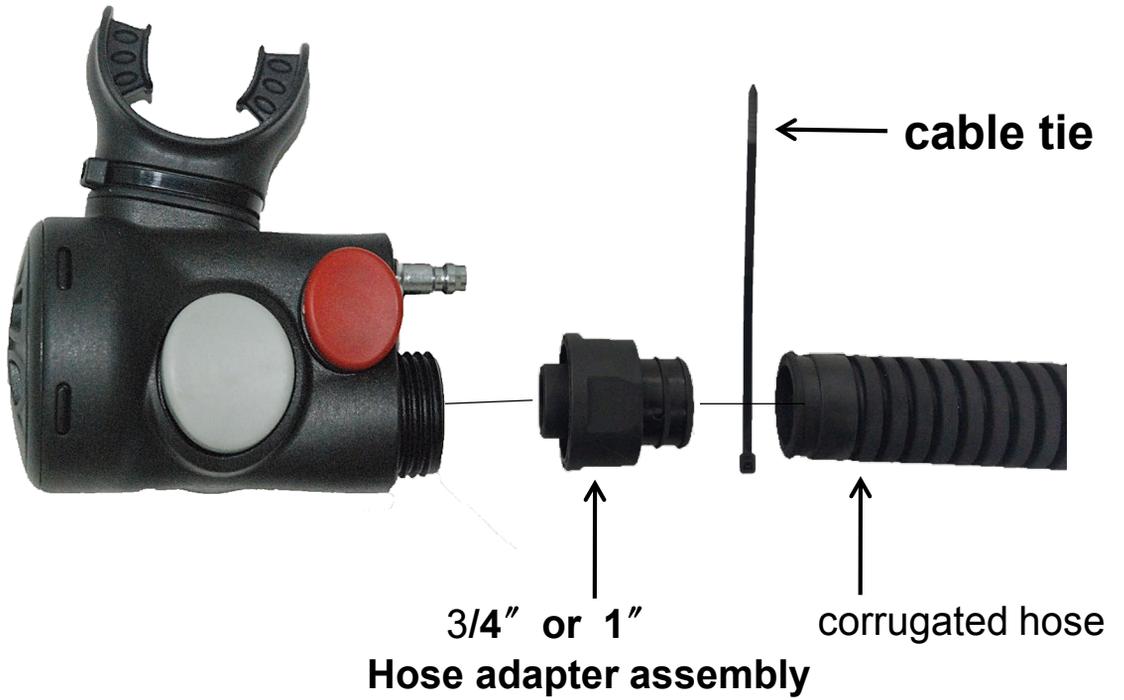
IF-O has successfully passed the certification tests required by EN250:2014 to an auxiliary emergency breathing device integrated with a buoyancy inflator system.

WARNING

The use of IF-O as regulator is certified exclusively for diving in water temperature higher than 10°C(50°F), as indicated by the markings on the unit.

Do not use the IF-O as a regulator while diving in water temperature below that limit.

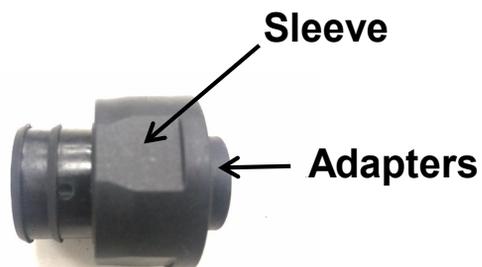
Failure to follow this instruction could lead to serious injury or death.



Cable for dumping air

If your BCD has a cable attached to the inflator for dumping air, push the retaining pin out of the inflator and disconnect it from the cable.

slip the threaded sleeve over the barbed end of the adapter before connecting the cable or installing into the corrugated hose .



Reconnect the cable by placing the pin through loop of the cable and inserting the pin through the holes in the adapter . The pin should fit completely through and be flush with the outside diameter of the adapter. You are now ready to secure the corrugated hose to the adapter barbed nipple.



Make sure the adapter sleeve is in place and the hose is not pushed tight against it, or it will not spin freely. Secure the barbed end to the hose with a new cable ties.

cable tie



To attach the IF-O to the adapter, slide the adapter into the threaded fitting on the IF-O and tighten by hand. It should be snug enough that it will not become unscrewed accidentally yet not so tight as to damage the plastic parts.

Check before dive

Slowly turn on the air

1. Test the IF-O for inflation and deflation.
2. Fully inflate the BCD and leave inflated for a few minutes to check for leaks around the corrugated hose and fittings.
3. If there was a cable dump attached to the IF-O, fully inflate the BCD and pull the corrugated hose to check for proper operation.
4. Check the breathing operation of the IF-O regulator.

Dive operation

Operation of the IF-O is the same as any conventional inflator

1. Power inflation is done by depressing the smaller, oval shaped inflation button
2. Deflation is done by holding the IF-O overhead and partially depressing the larger deflation button.
3. Oral inflation is done by fully depressing the deflation button and exhaling air into the mouthpiece. Fully depressing the button seals off the regulator exhaust valve and directs the exhaled air into the BCD to inflate it. Release the deflation button to keep the air in the BCD.

**Power inflation
button**



**Oral inflation/
deflation button**

**Regulator
purge**

Breathing

The IF-O breathes like any conventional second stage. Clear the IF-O of water by first exhaling or using the purge button (front cover), then breathe normally through the mouthpiece.

Care

- After use, especially in chlorinated water, the IF-O should be set up on a scuba tank, pressurized, and thoroughly rinsed with fresh water.
- Should water accidentally enter the low pressure hose, connect the regulator to the cylinder, open the valve and press the second stage purge button down until all water has been expelled.
- Let water run into the mouthpiece and flow out the exhaust port.
- Dry your regulator completely in a dry ventilated place, away from heat and direct sunlight.

Maintenance

- Maintenance procedures beyond the simple operations described in the preceding paragraph should not be carried out by the user.
- IF-O must be overhauled by an authorized technician every year.

⚠ Warning Do not attempt any disassembly or repair of the IF-O. Disassembly and service of the IF-O must only be performed by an authorized, factory trained scuba repair technician or by the factory.

⚠ Warning DO NOT USE silicone grease on the diaphragm and/or the exhaust valve, it may cause damage to the silicone rubber.

WARRANTY

All warranty transactions must be accompanied by proof of original purchase from an authorized dealer. Be sure to save your sales receipt, and present it whenever returning your regulator for warranty service.

Limited Lifetime Warranty

This IF-O is warranted against defects in materials and workmanship for the 3 years of the original owner with the exception of mouthpieces, o-rings, or valve seats.

This warranty does not apply to units subjected to misuse, abuse, neglect, modification, or unauthorized service. This limited warranty is extended only to the original purchaser for products purchased directly from an authorized dealer, and is not transferable.

This warranty is limited to repair or replacement only at the discretion of the factory.

IF-O SPECIFICATIONS

Materials:

- Case	Fiberglass Reinforced Nylon
- Diaphragm	Silicone Rubber
- Exhaust Valve	Silicone Rubber
- Spring	Stainless Steel
- Demand Valve	Brass, Chrome Plated

Weight 150 grams(5.3 oz.)

(W/O quick-disconnect and hose)

Average Flow Rates: 340 liters/minute

Demand Valve Design Downstream, Venturi Assisted

Hose

• Hose Length	70cm standard
• Thread	3/8" —24 UNF
• Pressure rating	125-150psi (8.6-10.5 bar)

IF-O Installation

1. Tools



2. Remove the original power inflator.

2-1. Cut the zip tie on the corrugated rubber hose with a pliers or a knife.



IF-O Installation

2-2. Pull and remove the power inflator from the rubber hose.



2-3. If there is a pull-dump wire connected, use a sharp cone to push and remove the pin on the inflator and disconnect the wire.



IF-O Installation



IF-O Installation

3. Install the IF-O inflator Octopus.

3-1. Insert the pin to the IF-O and make sure the pin goes through the loop of the pull-dump wire to connect the pull-dump valve properly.



IF-O Installation

3-2. Assemble the IF-O with the corrugated rubber hose of the BCD and secure with a zip tie.



IF-O Installation

3-3. Cut and discard the extra zip tie.



3-4. Remove the dust cover of the IF-O.



IF-O Installation

3-5. Connect the IF-O to the regulator with a low-pressure BC hose.



4. Finish





IST Sports Corp.

Address: Room A, 6th Floor, No.6, Lane 345, Yangkuang St.,
Neihu, Taipei, Taiwan 11491

Tel: +886 2 26272516

Fax: +886 2 26599056

Email: diving@istsports.com

Web: www.istsports.com