



FULL-FACE MASK ADAPTOR

For

Open Circuit Bailout (OCB) to

Ocean Technology Systems - Guardian Full-Face Mask

Fitting Instructions

## Introduction

AP Diving has developed a special adaptor which allows APD rebreather owners to take advantage of Ocean Technology Systems' Guardian full-face mask. The full-face mask adaptor fits in between the AP Diving open-circuit bailout mouthpiece and the full-face mask.

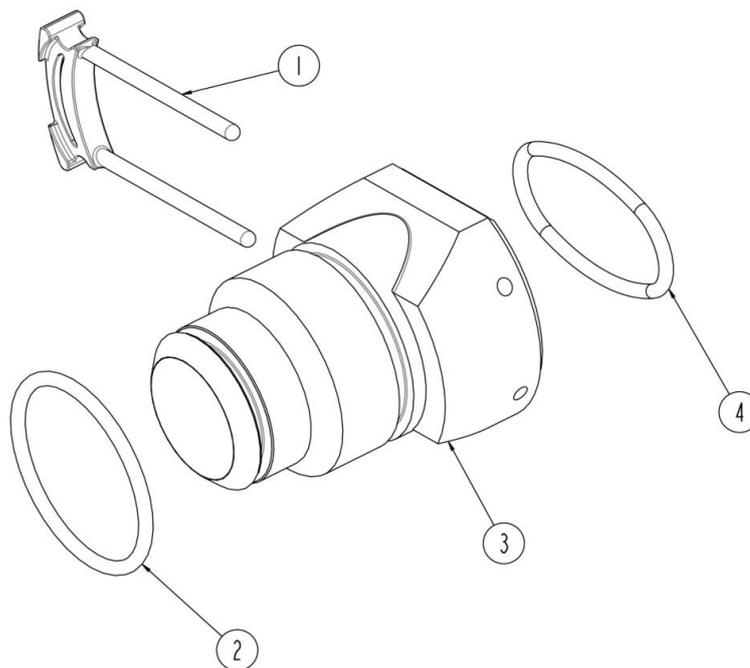
Before fitting the full-face mask to your rebreather please read these fitting instructions and the Ocean Technology Systems' Guardian full-face mask Owner's manual supplied with the product.



## Fitting Instructions

1. Remove the rubber mouthpiece from the OCB mouthpiece port.
2. With the yellow adaptor pin removed, place the Adaptor Body onto the OCB mouthpiece port. The adaptor can be fitted with the adaptor Pin located on either side.
3. Insert the adaptor pin to secure the adaptor to the OCB.
4. Offer the adaptor up to the full-face mask and fully insert it into the regulator port.
5. Ensure that the adaptor is secure and test for leaks - refer to the full-face mask Instructions for further information.

## Parts Supplied



No.	Part Number	Description
1	FFM100A/2	Adaptor Pin
2	BS126 APDM70	O-Ring
3	FFM100A/1	Adaptor Body
4	BS125 APDM70	O-Ring

## **Diving with the Guardian FFM**

Please refer to the Guardian FFM Owner's manual for standard operation.

### **Mask Clearing**

Water can be cleared from the full-face mask by purging with the OCB or by exhaling. See face-mask instructions for exhaling method. To purge with the OCB, rotate the OCB valve to the OC (Open Circuit) position then press the diaphragm on the OCB to purge gas into the mask. As a precaution, hold on to the face mask before purging to ensure it stays in position. When the face mask is clear of water return the OCB to the CC (Closed Circuit) position.

### **Practice**

Before venturing into open water it is very important that you practice using the full-face mask with your rebreather and OCB. Become familiar with all the features and locations when wearing the kit. Repeat the bailout techniques and mask clearing procedures until they become second nature.

### **Post-Dive Maintenance**

Remove the adaptor from the full-face mask by pressing the red quick release button on the inside of the oral/nasal pocket and pull outwards. Release the adaptor from the OCB by removing the yellow adaptor pin. The Adaptor should be washed with cold potable water. Inspect and replace damaged/worn O-rings and store once dry.

## Important Information

- This document is not the instruction manual for the full-face mask; please refer to Ocean Technology Systems' Guardian full-face mask Owner's manual supplied with the product.
- The FFM100A full-face mask adaptor is only designed to be fitted between the Guardian FFM and the AP Diving open-circuit bailout mouthpiece. DO NOT attempt to fit others types of full-face masks or mouthpieces.
- DO NOT attempt to use any full-face mask with the AP Diving classic style (WHITE) rebreather mouthpiece which does not have an open circuit feature. The classic style mouthpiece does not offer a bailout option or purge function to clear a mask.
- DO NOT allow a neoprene hood to be used under the mask skirt as this lifts the oral/nasal away from the face increasing the dead space and inhaled CO<sub>2</sub>. Refer to the Hood and Seal Section of the OTS FFM manual.

**Manufacturer:**

Manufactured in the UK by Ambient Pressure Diving Ltd, Unit 2C, Water-ma-Trout Industrial Estate, Helston, Cornwall TR13 0LW.

Telephone: +44 (0)1326 563834.

FAX: +44 (0)1326 573605.

**EC TYPE Approval:**

EC Type approved by SGS United Kingdom Ltd, Unit 202b, Worle Parkway, Western-Super-Mare, Somerset, BA22 6WA. Notified Body number 0120.

The “Inspiration”, “Evolution” and “Evolution+” fitted with the Ocean Technology Systems’ Guardian full-face mask option are CE approved to 40m using an air diluent and 100m using a Heliox or Trimix (with a max. END of 30m at 70m, reducing to an END of 24m at 100m). The EC Type Approval was granted on the APD Manufacturer’s Technical Specification and satisfactory user trials. The Technical Specification was based on the “Respiratory equipment-Self-contained re-breathing diving apparatus” standard EN14143:2003 excluding clauses 5.6.1.3 (peak respiratory pressures at higher breathing rates) and 5.8.8.(hose elongation test). It was considered that the products met the Basic Health and Safety Requirements (Annex II) of the PPE Directive 89/686/EEC.

**EC PPE Article 11B Approval:**

The ongoing certification to allow CE marking under Article 11B Directive 89/686/EEC is granted by Lloyd’s Register Quality Assurance Ltd. CE0088.



Ambient Pressure Diving Ltd  
Unit 2C  
Water-Ma-Trout Industrial Estate  
Helston  
Cornwall  
TR13 OLW

Telephone: 00 44 (0) 1326 563834  
Fax: 00 44 (0) 1326 565945  
Email: [sales@apdiving.com](mailto:sales@apdiving.com)  
[www.apdiving.com](http://www.apdiving.com)