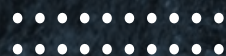


FULL FACE MASK FOR CCR SOLUTION





The **Lungfish Full Face Masks for CCR** combine the benefits of both CCR and FFM systems and brings new advantages of its own.

All the advantages of the Full Face Mask:

- ☐ Comfort
- ☐ Safety From Drowning
- ☐ Clear Underwater Communications

All the advantages of the Rebreather:

- ☐ Endurance
- ☐ Warm Gas
- ☐ Silence
- ☐ Reduced Decompression

Unique to the **Lungfish FFM for CCR**:

- ☐ Unrestricted Breathing
- ☐ Unrestricted Head Movement
- ☐ No Noise On Communications
- ☐ Fog Free Vision

Conversions for OTS and Ocean Reef masks
Fits most CCR systems (contact Dive Lungfish)





Highland
Light
VENTURES

www.divelungfish.com

SAFETY

The **Lungfish FFM for CCR** allows an instant switch between CCR and open-circuit bailout. The head retention system of the FFM reduces the risk of drowning due to accidental loss of mouthpiece.

These features have been a continuous request of the training agencies and safety councils for many years, especially for sport divers. Unlike current bail-out mouthpieces and mouthpiece retaining straps, this is achieved with no compromise to comfort or ergonomics, with no jaw fatigue or restriction to head movement.

PERFORMANCE

Resistance to breathing, especially at depth, is a challenge in rebreather use, as gas supply is driven by the user's lungs, not injected under pressure. In current CCRs the bite-mouthpiece is the choke point, restricting the airway, hugely increasing breathing resistance, limiting ventilation and encouraging CO₂ retention in real dives. The **Lungfish FFM for CCR** removes this restriction and allows the diver to breathe with an open mouth for unrestricted ventilation. With an oronasal mask for minimised dead-space, rebreathing of CO₂ is also minimised.

The **Lungfish FFM for CCR** is a significant performance upgrade over a standard DSV or BOV.





CLEAR COMMUNICATIONS

On open circuit FFM, comms use can increase gas consumption, and comprehension is hindered by the noise of the demand valve and exhaust. The rebreather / FFM combination removes both problems.

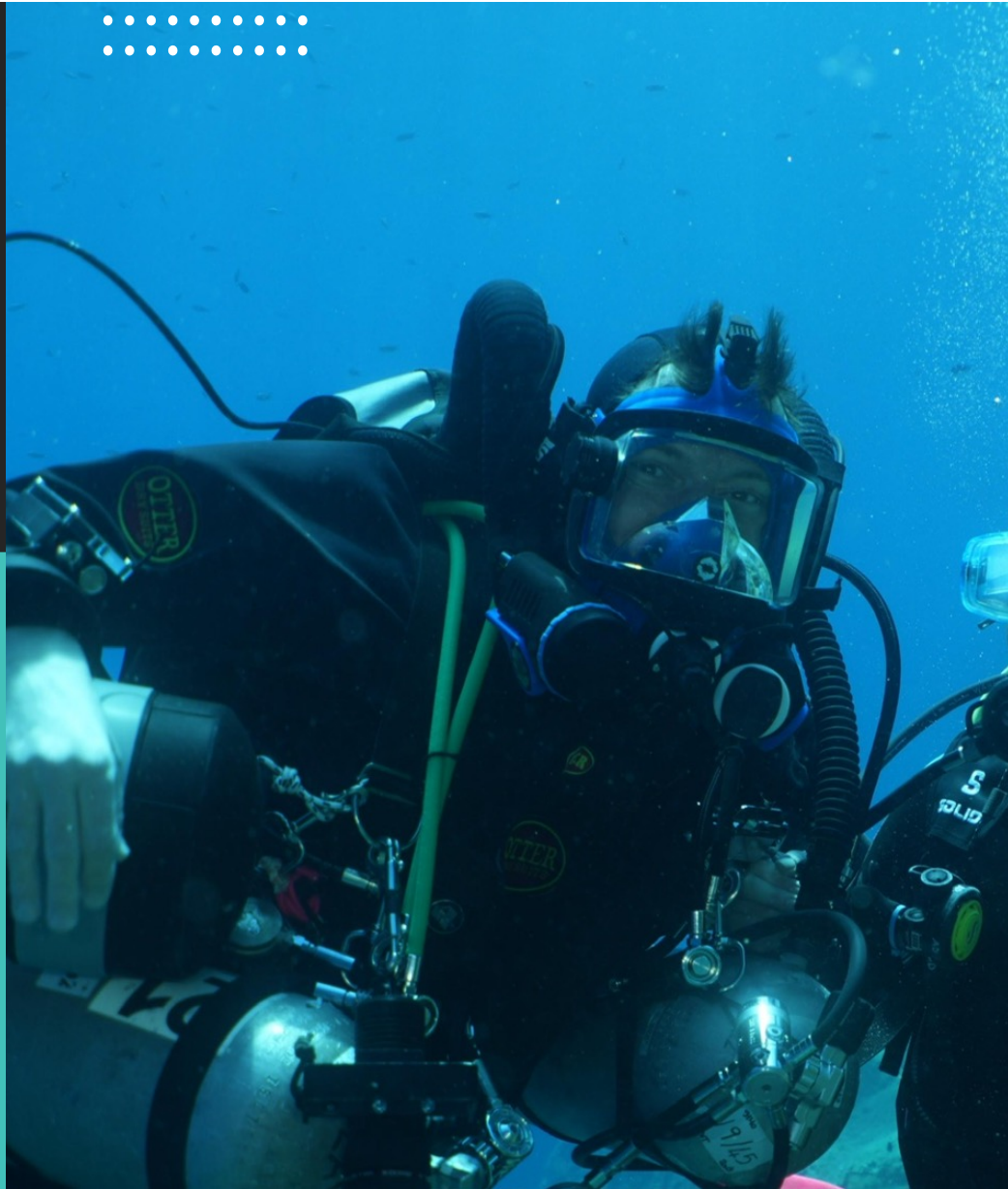
Speech is clear enough to talk face to face, or record on a mask-mounted camera, and the microphone port allows both local recording for surveys or filming work, and through-water or wired comms.

Effective communications improves safety for the otherwise invisible rebreather diver and is of enormous use in underwater work and diver training dives.

A CLEAN AND DRY LOOP

A rebreather must not allow water to enter the breathing loop. In contrast to conversions that simply attach a CCR DSV or BOV to the front of a full face mask, the arrangement of the of the **Lungfish FFM** hose attachments limits this problem. Any water entering the mask falls downwards and can be ejected through the chin exhaust. The lack of a bite mouthpiece means no saliva enters the rebreather, removing distracting gurgling during the dive, protecting the scrubber and sensors and reducing the chore of decontamination.





COMFORT

The **Lungfish FFM for CCR** provides the benefits of a Bail-Out Valve (BOV) without the jaw fatigue of gripping a large object in your teeth for several hours. Covering the entire face improves comfort in cold water. The hose routing gives comfort and balance, and the attachments do not restrict head movement or risk unsealing the mask.

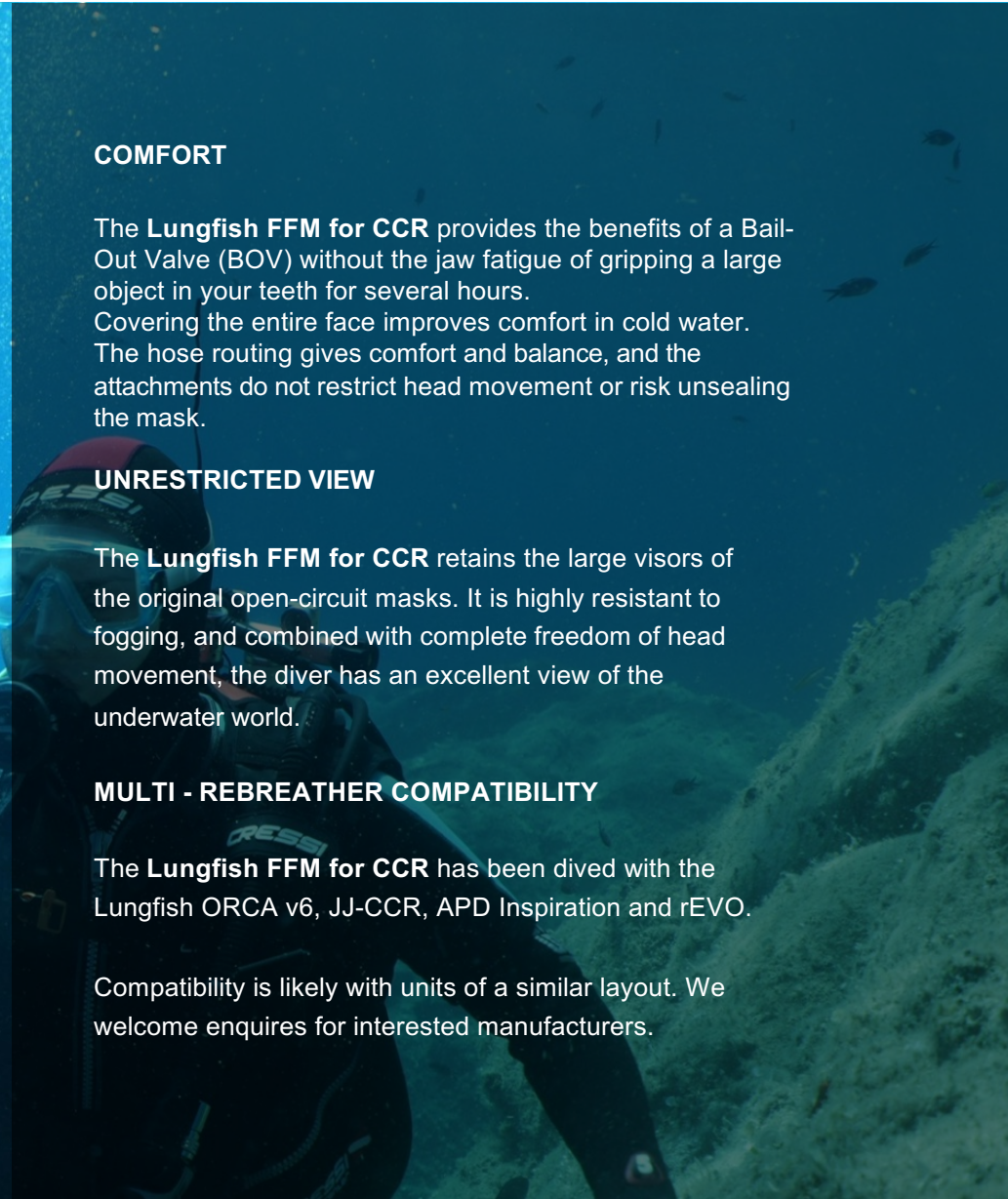
UNRESTRICTED VIEW

The **Lungfish FFM for CCR** retains the large visors of the original open-circuit masks. It is highly resistant to fogging, and combined with complete freedom of head movement, the diver has an excellent view of the underwater world.

MULTI - REBREATHER COMPATIBILITY

The **Lungfish FFM for CCR** has been dived with the Lungfish ORCA v6, JJ-CCR, APD Inspiration and rEVO.

Compatibility is likely with units of a similar layout. We welcome enquires for interested manufacturers.





Lungfish FFM for CCR

OPTIONS

Versions available:

- ☐ OTS Guardian
- ☐ Ocean Reef Neptune

Accessories Available:

- ☐ Underwater Communications
- ☐ Integrated lights
- ☐ Point-Of View Camera Mounts
- ☐ Torch Mounts
- ☐ **GEMINI** High-Flow Gas Switch Block
- ☐ High-Flow Quick Disconnects
- ☐ Adaptors to fit different rebreather systems

Ocean Explorer Package:

- ☐ Complete system including ORCA v6 CCR, FFM, gas switch and communications

Patents Pending

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