



## ***Key features***

- **Low travel weight** – The Pelagian DCCCR is only 10,5 kg without cylinders and can be fitted in the overhead compartment of a commercial air craft.
- **Instant cell validation** – The O2 sensors can be exposed to a small portion of diluent gas at any time during the dive, thereby reducing gas consuming loop flushes.
- **Front to side mounted counter lungs** – For effortless horizontal trim and best possible hydrodynamic balance in a standard swimming position.
- **Optional back mounted counter lungs**
- **Runs off standard alkaline 9V battery** – Low running cost and easy global access to replacement batteries.
- **Non-depth limited O2 addition** – O2 dosage is adjustable during the dive and driven by depth compensating first stage.
- **Mechanical O2 delivery** – Easy operation. No set point controller to break.
- **X-wing back plate** – Cylinders attached with simple cam bands allowing any size cylinder between 1.3 L – 11 L to be used, even with standard valves!
- **Excellent trim and balance** – Designed from the beginning with perfect trim as a focal point, Low displacement means that most people don't have to add weights when diving in a wet suit.
- **Standardized replacement parts** – Most service kits, hoses and other wear and tear parts are available in most dive shops and user replaceable, which means less cancelled dives.

## ***What is included?***

The Pelagian DCCCR is sold as a kit at 6200 USD and includes the following components:

- Stainless steel X-wing mounting plate.
- 3,2 kg capacity standard scrubber with bottom plug and head section ready for the addition of Shearwater or any other live deco computer. The scrubber is rated to 4 hrs in cold water and 6 hrs in tropical water down to 40 msw.
- Two front to side mounted counter lungs OR two back mounted counter lungs.
- Breathing hose with t-pieces and DSV.
- Two first stage regulators.

- Automatic Diluent Addition valve, (ADV) with instant sensor validation.
- Oxygen addition unit with needle valve and manual over ride button
- Sensor display with hard wired and potted cable for continuous monitoring of two cell read outs
- O-ring kit
- Operations manual (emailed in pdf format)

***To get it ready for diving, the following needs to be added:***

Two oxygen sensors, (three with computer option).

Two cylinders for O2 and DILUENT.

Two Submersible pressure gauges with HP hoses.

One Wing (40 IB recommended).

One Standard back plate with bolt holes 11" apart.

One Harness with continuous webbing.

One high quality alkaline 9V battery.

Bail out cylinder(s) and regulator(s) as needed to suit dive plan.

## ***Prices***

- Oxygen Sensor RBL-23D (Pelagian specific) - USD 110. This sensor is tailor made to fit the Pelagian Scrubber Head and take full advantage of Instant Cell Validation. Linearity and response time is equal or better than the now obsolete Teledyne R22D.
- High Pressure Hose Set - USD 74 / set. Specially formulated thin kevlar reinforced fiber HP hose with 1350 BAR burst pressure. O2 side is 75 cm long. DIL side is 53.5 cm long.
- Submersible Pressure Gauge Set RBL-SPK - USD 176 / set. Black face plate with luminiscent, white markings and needle. Clearly marked OXYGEN and DILUENT. Chrome plated 5 cm diameter brass body with tempered glass. Scale: 0 – 400 BAR.
- Hogarthian harness - USD 68. Includes reinforced roll of 2" harness webbing, two shoulder D-rings and keepers, one hip D-ring with keeper and soft 2" wide crotch strap with sewn in front D-ring for scootering.
- Aluminium back plate. 3 mm, black hard anodized - USD 96.
- Stainless steel back plate, 3 mm - USD 128.
- Modular tank valves - DIN 232 BAR Black chrome plating with either 3/4" neck thread or M25 (no burst disc) Per pair - USD 178.
- We stock aluminium DOT cylinders in the following sizes; 13 cu.ft./1,8 L, 19 cu.ft./2,6 L, 30 cu.ft./4,1 L and 40 cu.ft./5,5 L. Please ask for price.

## Options

- ADV Shut Off Block - 320 USD if ordered with Pelagian DCCCR unit. USD 350 as extra item. The ADV Shut Off Block is purpose designed for CCR use. It is smaller than previously available units yet allows a higher flow than most. The valve is placed within easy reach on the top left D-ring.
- Bail Out Valve – 950 USD or 630 USD if ordered with Pelagian DCCCR unit. Switch between high performance OC bailout and loop with out removing the mouth piece. This valve is the worlds most compact BOV and yet maintain one of the largest available internal bores for low work of breathing. Choose between divers left or right side connection of LP hose.
- Petrel 2 Ext – USD 1195. Fully enabled OC/CCR Trimix dive computer with Po2 monitoring of up to three O2 sensors.
- Petrel 2 unit specific wiring harness and cable including installation – USD 190. This cable has wires for 3 cell monitoring, but should only be connected to one dedicated cell. In the event of a failure with the Pelagian display you can connect all three cells to your Petrel 2.

## Spares

- 1st Stage Regulator, RBL-1ST2. Custom designed for optimal hose routing for CCR use. Black chrome plating - USD 280.
- Custom lenght LP hose. Black chrome fittings. Up to 100 cm - USD 38.
- Custom lenght Inflator hose. Black chrome fittings. Up to 100 cm - USD 42.
- Replacement Loop Hoses, 4 pcs. – USD 120.
- DSV O-ring Kit – USD 29
- O-ring Kit – USD 56. Contains all dynamic o-rings.
- Spares Kit – USD 94. Contains all dynamic and static o-rings, 4 pcs. lock screws, 1 pcs scrubber sticker.
- Rev 2 counterlung upgrade - USD 1250. This upgrade is intended for Rev 1 users who wish to upgrade to the current series counterlung and T-piece.

## Training

Unit specific Pelagian courses are available from PSAI, TDI, IANTD, ANDI and SwedTech. Service tech courses are offered in two levels with certification from Rebreather Lab.

### **Pelagian DCCCR Air Diluent Diver, (Entry level CCR without deco)**

This 6 day course curriculum encompass academics, where dive planning with both fixed and dynamic PO2, component function and maintenance, working principle, gas flow physics and much more is covered. The pool session put a very high focus on the needle valve operation and students even learn how to adjust it with out seeing the Po2 displays. There are seven open water training dives in the course with the two first dives done with out using the needle valve while only manually mixing the gas. Max training depth is 30 meters. There is also an open book exam of 60 questions.

**Prerequisites:** 18 years of age, 20 logged dives, Nitrox Diver.

**Price:** USD 1500 including manual and gas fills. CCR cross-over USD 900

### **Pelagian DCCCR Air Diluent Decompression Procedures Diver (Entry level CCR with deco)**

This 6 day course curriculum encompass academics, where dive planning with both fixed and dynamic PO2, component function and maintenance, working principle, gas flow physics and much

more is covered. The pool session put a very high focus on the needle valve operation and students even learn how to adjust it with out seeing the Po2 displays. There are seven open water training dives in the course with the two first dives done with out using the needle valve while only manually mixing the gas. Max training depth is 45 meters. There is also an open book exam of 60 questions. We allow some credit for previous certification on other CCR's, but everything unit specific have to be completed.

**Prerequisites:** 18 years of age, 50 logged dives, Decompression Procedures and Advanced Nitrox. OR; 18 years of age, Entry Level CCR Diver with 6 months experience and 30 logged CCR dives.

**Price:** USD 1500 including manual and gas fills. CCR cross-over USD 900.

#### REBREATHER LAB HQ TRAINING SCHEDULE 2018

Month	Air DIL Diver
January	07 - 12
March	01 - 06
June	07 - 12
August	01 - 06
September	01 - 06
October	02 - 07

We also offer Mod 2 CCR Mixed Gas and Mod 3 CCR Advanced Mixed Gas diver and instructor training on request as well as Service Technician training. Please ask for prerequisites, cost and availability.

If you are unable to travel to Thailand for training we can arrange for an instructor to run training in your location. Course fee is the same, but actual costs for the instructors travel, accommodation etc. will be added.

#### Course bookings

To secure a spot in a class we require a non-refundable bank transfer of 50% of the total for your courses and training materials. Please check class availability prior to transfer and we will temporarily hold your space for five bank days.

#### Accommodation

We have fan bungalows at 575 baht per night or AC bungalows with hot shower at 925 baht per night. Fan and AC bungalows are the same in size. There is a 150 cm wide bed that can not be separated, so twin sharing is not suitable.

#### Ordering procedure

As with most other machined rebreathers there is lead time on the Pelagian DCCCR. At the moment it is 90 days. We manufacture units in batches in order to consolidate component orders. To secure a unit in a production batch we require a non-refundable bank transfer of 50% of the ordered total. We will also send you a liability waiver that you need to sign, have witnessed and returned by post together with a signed copy of your pass port. **Please note; all documents needs to be signed with blue ink pen and submitted in original.** The remaining balance is due before delivery.

#### Shipping

We can ship with DHL to any country in the world. Please ask for an exact price quote for your address.