

Rebreather technical diver

(Red Sea only)

Please complete this form to advise us of your technical equipment and gas requirements for your upcoming liveaboard in the Red Sea.

The majority of divers onboard the vessel will be recreational divers and whilst every effort will be made to accommodate your requests, we cannot guarantee specific dive sites will be available for technical diving.

Diver's name: _____ **Buddy:** _____

All dives must be conducted with a buddy who is qualified and equipped to do a technical dive or with a technical guide.

Do you require a private technical dive guide? **Yes** **No**

What is your maximum planned depth? _____

Cylinders

Will you hire CCR cylinders from Blue O Two? **Yes** **No**

If yes, what size do you need? **3lt** **2lt** **Other**

Note: all valves are in-line as found on Evolution/Inspiration AP Diving cylinders.

What thread size do you need on your O2 cylinder? **DIN Standard** **M26**

Indicate how many stage cylinders you require: **6lt:** _____ **10lt:** _____ **12lt:** _____

Do you want them rigged? **Yes** **No**

Gas

How many litres of gas do you anticipate requiring? **Oxygen:** _____ **ltrs** **Helium:** _____ **ltrs**

You will only be charged for the amount of gas used.

Scrubber

Will you need to order scrubber from Blue O Two? **Yes** **No**

If yes, specify quantity: **Sofnolime 797** _____ **kg**

Please note that we will only charge you for the amount of Sofnolime you actually use, however we want to ensure we have enough onboard.

What is considered technical diving for Blue O Two Ltd?

Technical diving (also known as “tech” or “tek” diving) goes beyond the boundaries of traditional scuba diving. Blue O Two must adhere to the regulations set out by the Chamber of Diving and Watersports (CDWS) in Egypt.

Any dive that includes one or more of the following is considered a technical dive:

- Dive to a depth more than 40m
- Dive with decompression stops
- Diving in an overhead environment beyond 40 linear metres of the surface
- Dives with accelerated decompression
- Dives with variable gas mixtures

A technical dive will require the following:

For Open Circuit divers

1. Be qualified to complete the planned dive
2. Sign the paperwork related to the kind of diving (technical liability releases)
3. Be prepared with the right equipment for this kind of diving:
 - a. Twin set for the back gas
 - b. Two regulators for the back gas
 - c. Two separate buoyancy control devices (a double bladder wing is recommended – alternatives: a single wing with a high capacity lift bag or a single wing and a dry suit)
 - d. Two separate depth and time monitoring devices
 - e. Spare mask
 - f. Two SMBs and two reels
 - g. Stage tanks are optional and are not a redundancy for the back gas
4. Sign a dive plan that includes depth, run time and gases before starting the dive
5. All dives must be conducted with a buddy that is qualified and equipped to do a technical dive or with a technical guide

For Closed Circuit (rebreathers) divers

1. Be qualified to complete the planned dive
2. Sign the paperwork related to the kind of diving (technical liability releases)
3. Be prepared with the right equipment for this kind of diving
 - a. Have at least one bailout cylinder per diver
 - b. Two separate depth and time monitoring devices
 - c. Spare mask
 - d. Two SMBs and two reels
4. Sign a dive plan that includes depth, run time and gases before starting the dive
5. All dives must be conducted with a buddy that is qualified and equipped to do a technical dive or with a technical guide

What training agencies are recognised by Blue O Two for technical divers?

SSI, NAUI Tec, TDI, IANTD, DSAT, GUE, ANDI, IART, BSAC and PADI

What are the maximum depths/PPO2 allowed on a Blue O Two vessel for technical divers?

- For Advanced Enriched Air: **40m**
- For Decompression Procedure dives (or equivalent): **45m**
- For Extended Range dives (or equivalent): **55m**
- For Normoxic (entry level) Trimix: **60m**
- For Hypoxic (advanced) Trimix: **100m**

The absolute maximum depth limit for Blue O Two will be 100m as we have to comply with our insurances and the CDWS.

For all technical diving activities onboard a Blue O Two vessel, the maximum PPO2 for a bottom mix is 1.4 ATA and the maximum PPO2 for a decompression mix is 1.6 ATA.

Can technical diving be conducted on all Blue O Two Red Sea vessels?

Yes, we can conduct technical diving on all our Red Sea vessels.

Insurances

Every diver conducting technical diving onboard a Blue O Two vessel will need to carry proper diving and travel insurance that covers him/her to the planned depth and type of diving conducted.