

Technical Diving Request Form

Please complete this form to advise us of your planned technical equipment and /or gas requirements for your upcoming diving cruise with Master Liveboards. Failure to complete this form may mean that any special requirements, including cylinders and gases are not available for your trip.

Diver's name: _____ Certification Level: _____

Certification Number: _____

Cylinders

CCR Cylinders: **3 Litre** _____ **2 Litre** _____ **Other** _____

We provide Faber Steel cylinders with in-line valves. All valves have standard DIN connections. Users with M26 connections on their first stages will need to bring an adaptor.

Main Cylinders: **Manifolded Twins** _____ **Independent Twins** _____ **Matched Cylinders Sidemount** _____
Other _____

Stage & Bailout Cylinders: **40cuft** _____ **80cuft** _____ **Other** _____

Please indicate the number and size of any bailout or stage cylinders you require. All cylinders are aluminium.

Rigging* Kit Fitted? **Yes** _____ **No** _____

***Please note that rigging kits may not be available in all destinations.**

Gases

In addition to air, please indicate which gases you would like to use. Oxygen comes from an Oxygen Generator with a purity level of 93% +/- 3%.

28% Nitrox is available for a set price per trip on Truk Lagoon itineraries only.

PLEASE NOTE: Trimix is not available for Open Circuit divers on Bikini Atoll itineraries.

16/30 _____ **18/30** _____ **20/20** _____ **28%** _____ **50%** _____ **93%** _____ **Other** _____

CO2 Scrubber _____ **kilos**

We normally provide Molecular Products 797 sofnolime. On most Master Liveboards vessels, scrubber is supplied in 20 kg tubs and charged per tub; there is **no buy-back scheme for unused scrubber**. Due to the remote nature of our operations and the extended delivery times of 797 sofnolime, occasionally we may offer alternative products. If 797 is critical for your use please contact us beforehand to check supply levels.

Rental Equipment

Full Tec Set (Includes Tec Reg Set, 2 Stage Regs, Harness, S/S Backplate & Wing) _____

Tec regulators set _____ Stage regulators _____

Complete Harness _____ S/S Backplate & Wing _____ S/S Backplate & Harness _____

Dive Computer _____ Emergency SMB _____ Lift Bag _____ Spool _____ Reel _____

Other _____

Additional Comments/Requests:

PLEASE NOTE: There are NO torches available to rent on Truk Master or Pacific Master.

Technical diving with Master Liveboards is defined as:

- A dive to a depth more than 40 metres.
- A dive with planned decompression stops
- A dive with accelerated decompression (more than one Nitrox mix or greater than 40% Nitrox)
- A dive with variable gas mixtures
- A dive within an overhead environment beyond 40 linear metres of the surface

As rebreathers use variable gas mixes all rebreather divers will need to sign the technical diving waiver even if they are diving recreational profiles.

NOTE: CCR divers joining Bikini Atoll itineraries are required to have Normoxic Trimix certification.

For all Technical dives conducted on Master Liveboards vessels, divers will need the following:

- Two methods of buoyancy. This can be achieved by using a wing with a redundant bladder, drysuit or lift bag with a minimum of 20 kg/45lb of positive lift.
- Dive Computer - Multi-gas dive computer capable of switching between a minimum of 2 gases, ideally more.
- Backup Computer or depth/bottom timer.
- 2 Surface Marker Buoys (SMB) - One red or orange SMB and one yellow SMB with a slate or wet notes attached for emergency use.
- 2 Reels or Spools - One with a minimum 15m of line and one with a minimum of 60m of line.
- Dive Slate or Wet Notes - Additional dive slate in addition to the slate used with the emergency surface marker buoy or a set of wet notes.
- Minimum of two dive torches (ideally three) for any guests planning on doing any wreck penetration.

Recommended Equipment:

- Backplate, harness and wing - capable of carrying manifolded twin 80 cu ft aluminium cylinders and one or two 40/80 cu ft aluminium stage cylinders. The wing should have a minimum of 20 kg/45lb of positive lift.
- Two DIN regulator sets one with a long hose configured for twin cylinder operation.
- One or two DIN stage regulators for use with up to 95% oxygen.
- Protection - 3 or 5 mm full length wetsuit is adequate. Some divers also like to use a hood or helmet and gloves. Water temperature in Truk Lagoon and Bikini Atoll is between 28° -30°C (82°-86°F) all year round with no distinct thermoclines.
- Spare Mask - Spare mask should be carried on all technical dives.

Please inspect and test all your dive equipment before the start of your trip. If you have just had your equipment serviced we still recommend that you test it thoroughly before leaving home.

There are no facilities in Truk Lagoon or the Marshall Islands / Bikini Atoll for repairing or servicing diving equipment. Whilst we carry a limited amount of tools and common spares on board for making repairs 'in the field', divers should ensure they bring everything they need to be self-sufficient. This is especially true for rebreather divers as we do not carry any special tools or parts such as oxygen cells or batteries for rebreathers.

All divers conducting technical dives from a Master Liveboards vessel:

1. Should be appropriately qualified to conduct the planned dive.
2. Will be asked to sign the appropriate paperwork (technical diving liability releases).
3. Need to have the required equipment listed above.
4. Need to prepare a dive plan and let the Cruise Director know their planned runtime and maximum depth.
5. Are required to have appropriate diving and travel insurance that covers the planned technical diving and includes cover for medical evacuation from remote areas.

Bikini Atoll

Divers who wish to penetrate overhead environments in Bikini, must bring their own primary lights. Divers must also follow their training standards for overhead diving with respect to back-up lights.

There are no primary lights available to rent on either vessel so guests are required to bring their own. There are a limited number of back-up lights available which can be rented on board should one of your own torches fail.