

Truk Master - Tank & Gas Information

- All cylinder valves on board are standard 200 bar DIN/yoke convertible that can be used with both DIN and yoke (A-Clamp) regulators
- A standard 80cu ft /11.1L aluminium tank is provided free of charge to all guests with a DIN/yoke convertible valve. This standard 80cuft will not be provided if you chose the cylinder package or an upgrade to non-standard cylinders.
- Due to space constraints on board Truk Master, all guests must request any non-standard cylinders before the start of the charter
- If a guest fails to notify us of a cylinder special request then it may not be available for the first days diving

Important information on gases

- The standard fill on board is 3,000 psi / 207 bar
- The standard nitrox mix on Truk Master is 28% - 29%, supplied from a membrane system for a set price per cruise
- Other Nitrox mixes from 50-100% are available for accelerated decompression with oxygen charged per litre
- Helium is available and also charged per litre. As we do not bank non-standard gases on Truk Master all gases supplied will be charged for in full, even if they are not used

Important information for rebreathers

- We DO NOT carry M26 valves or adapters on board, guests must bring their own
- For rebreather divers we can supply oxygen and CO2 absorbent (Molecular Products 797 Sofnolime). The scrubber is charged per full 4.5kg tub.\
- Spare oxygen cells and specialist rebreather tools are not available in Truk so divers should bring their own

Cylinder package

To make it easier for you and more economical, we offer cylinder packages. For Truk Lagoon trips, the package includes:

- Manifolged Aluminium 80 cuft twinset OR Matched Aluminum 80cuft cylinders for Sidemount divers OR Set Steel 3L/2L Cylinders for Rebreather divers
- Up to 2x 40/80 cuft Stage Cylinders with rigging kits

Additional non-standard cylinders can also be rented.

Non-standard cylinders (to be requested in advance)

We carry the following cylinder types of which there is limited stock; so please book these directly with your reservation (bookings are taken on a first come- first served basis):

- 100cu ft / 13.2L aluminium

Twinsets

- 80cu ft / 11.1L manifolded aluminium sets
- 63cu ft / 9L manifolded aluminium sets

Side mount

- 80cu ft / 11.1L aluminium cylinders with left hand valve for side mount divers

We can accommodate large groups of side mount divers providing that we have prior notice of numbers. We strongly advise that you pre-order your side mount kit.

Rebreather Cylinders

- 3L steel cylinder sets
- 2L steel cylinder sets

Stage/bailout cylinders

- 80cu ft / 11.1L stage cylinders with rigging kits
- 40cu ft / 5.7L stage cylinders with rigging kits



MASTER
LIVEBOARDS

Technical Diving Request Form

Please complete this form to advise us of your planned technical and gas requirements for your upcoming cruise on M/V Truk Master. Failure to complete this form may mean any special requirements including cylinders and gas are not available for your trip.

Diver's name: _____ Certification Level: _____

Certification Number: _____

Cylinders

CCR Cylinders **3lt** **2lt** **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 adapter.

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 cylinder you require. All cylinders are Aluminum.

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

Gas

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

Trimix is not available for O/C divers on Bikini charters. 28% Nitrox is available for a set price per trip on Truk Charters only.

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

CO2 Scrubber _____ **4.5kg tubs**

We normally provide Molecular Products 797 sofnozyme in 4.5kg tubs. Due to the remote nature of our operations and the extended delivery times of 797 sofnozyme occasionally we may offer alternative products. If 797 is critical for your use please contact us beforehand to check supply levels.

Hire Equipment

Full Tec Set (Include Tec Reg Set, 2 Stage Regs, Harness, S/S Backplate & Wing) Tec regulator set

Stage regulator Complete Harness S/S Backplate & Wing S/S Backplate & Harness

Dive Computer Emergency SMB Lift Bag Spool Reel Torch

Other _____

Additional Comments/Requests:

Technical diving onboard Truk Master is defined as:

- A dive to a depth more than 40m
- 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 with in an overhead environment beyond 40 linear meters 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.

For all Technical Dives conducted from Truk Master 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 20kg/45lb of positive lift.
- Dive Computer - Multi-gas dive computer capable of switching between a minimum of 2 gasses, 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 - A Backplate, harness and wing capable of carrying manifolded twin aluminum 80cuft cylinders and one or two 40/80cuft aluminum stage cylinders. The wing should have a minimum of 20kg/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 and Bikini is between 28 - 30 degrees 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 coming to Truk Master. If you have just had your equipment serviced we still recommend you test it thoroughly before leaving home.

Truk Master operates where there are no facilities for repairing or servicing diving equipment and whilst Truk Master carries a limited amount of tools and common spares 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 Truk Master:

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 your planned runtime and maximum depth.
5. are required to have adequate diving and travel insurance that covers the planned technical diving and includes cover for medical evacuation from remote areas.