

OCEANREEF®
connecting divers

G.divers

A NEW GENERATION OF DIVERS





FULL FACE TALK



A NEW GENERATION OF DIVERS IS COMING! THE **G.divers**...

The world is changing and global communication is flagging this incredible change in our daily lives. The way of diving is going to change too with the introduction of safe, sophisticated and affordable new gears. *G.divers* line is a new high performance and stylish OCEAN REEF family of products. It has been designed for recreational diving, underwater teaching and guiding and to improve safety and human interaction during a dive.

Be an explorer, be adventurous, be a responsible diver with the new *G.divers* line from OCEAN REEF!

G.divers LINE INCLUDES THE FOLLOWING EQUIPMENT

NEPTUNE SPACE *G.Divers*, 2 SIZES AND 4 COLORS ARE AVAILABLE

GSM *G.Divers* UNDERWATER COMMUNICATION TRANSCIVER

M101A *G.Divers* UNDERWATER COMMUNICATION RECEIVER

M100 *G.Divers* UNDERWATER COMMUNICATION SURFACE TRANSCIVER



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Neptune Space *G.divers* full face mask

The Neptune Space *G.divers* mask is available in 2 sizes and 4 color options (emerald, blue, white and pink) and includes an integrated balanced 2nd stage regulator with a low pressure hose. The patented bellows style face skirt, molded from premium grade silicon rubber, uses a “spring profile” and large sealing double the size and spacing (30-45mm), to achieve a very comfortable fit and ample support. This “spring” effect is a combination of the double “S” section and the inner support ribs which allows the *G.divers* full face mask to “float” comfortably on the face. The head strap is directly attached to

the face shield, allowing pressure to be distributed equally along the mask skirt. The six straps of the head harness hold the mask in a firm position due to their low elasticity. The tip of each rubber strap is wider, making them easier to grasp while wearing neoprene gloves. The FRB II (fast rotating buckle) allows the mask to be donned and doffed quickly. These unique face seal and strap concepts are OCEAN REEF patents.

The high performance, entry level G.Divers Full Face Mask includes the following new features:

- Newly designed *G.divers* exhaust air system.
- New *G.divers* SAV/octopus port which makes installation of a Surface Air Valve accessory or octopus using the adapter very easy.
- Colors available (emerald, cobalt, white and pink).
- 2 year warranty.
- Very affordable to recreational divers.

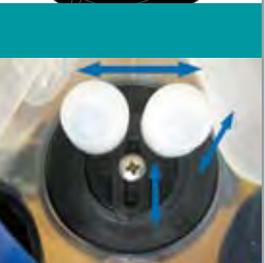
The streamlined visor, made of transparent polycarbonate, is designed to be wider and sit closer to the face than previous full face masks. The *G.divers* design maximizes the visual field, particularly the peripheral area. The visible light transfer of the visor is 92%. These factors give divers an astonishingly clear view of the underwater world.

In order to determine whether a diver should wear a S/M or M/L mask, OCEAN REEF has designed a Mask Measuring Kit (code 33075). The caliper is used to take two simple face measurements. Then using the Full Face Mask Size Recommendation Chart, it is possible to evaluate the size category into which the measurements fall.



WHITE





The Neptune Space *G.divers* air circulation system is one of a kind and is designed to eliminate fogging and reduce the amount of CO and CO₂ buildup. The silicone orinatal pocket is built with 2 one-way valves through which air is inhaled. Exhaled air is directed through a valve under the orinatal pocket. This limits the mixing of used air (which contains high amounts of CO₂) with the fresh air breathed from the regulator, allowing for a much safer dive and reduces the risk of breathing harmful gas build-ups.

Water that may seep into the mask is easily eliminated by exhaling or pushing the “purge” button on the second stage. Mask squeeze, a common problem for conventional masks, will not occur with the Neptune Space *G.divers* because the pressure inside the mask is equal to the pressure outside the mask.

Equalization can also be a common issue for some divers. The Neptune Space *G.divers* full face masks make clearing a breeze with the patented OCEAN REEF 3-D equalization system.

The system consists of a movable plate and 2 eccentric blocks (these blocks move close to the nostrils when the upper part of the visor is pressed).

Before donning the mask, the blocks may be moved up or down depending on the length of the diver’s nose. The 3-D equalization system can be adjusted for wide and narrow noses. Included are 3 pairs of extensions

(3, 6 and 10mm long) allowing the distance between the blocks and the nose to be modified and to accommodate any diver’s nose structure. The 3-D equalization system makes diving far more comfortable and inhibits any undesired pressure during a dive.

OCEAN REEF’s pneumatically balanced, integrated second stage regulator provides consistent ease of breath at any tank pressure. The inhalation adjustment feature allows divers to control their air delivery under any type of dive conditions. The Neptune Space *G.divers* mask can also be equipped with an optional Surface Air Valve (SAV) that will allow divers to breathe ambient air while at the surface. The surface air valve is easily adjustable with large air vents and allows divers to efficiently save air while on the surface prior to a dive.



Space *G.divers*

cobalt cobalt	small/medium medium/large	OR025016 OR025015
emerald emerald	small/medium medium/large	OR025018 OR025017
white white	small/medium medium/large	OR025012 OR025011
pink pink	small/medium medium/large	OR025014 OR025013

EMERALD





1st STAGE SL35TX

The Neptune Space *G.divers* is available with a 1st stage (sold separately).

The SL35TX high performance, 1st stage has a balanced diaphragm with anti-freeze kit. It has an adjustable intermediate pressure and is made of brass with a plated chromed finish body, stainless steel piston, Teflon seat, and stainless steel spring. It is available with the following characteristics:

- > 2 high pressure ports 7/16 -20 UNF
 - > 4 low pressure ports 3/8-24 UNF
 - > Flow rate of approx. 4800 l/m at 140 bars
- Standard yoke connection 200 bar or DIN connection 300 bar

SL35TX INT (code 9922)

SL35TX DIN 300 bar (code 9923)

Neptune Space *G.divers* complies with CE Certification in accordance with 89/689/EEC directives under the UNI EN250 standard rules for underwater activities, including low temperatures (<50 °F).



Accessories

***G.divers* SURFACE AIR VALVE – SAV (OR025020)**

The Neptune Space *G.divers* may be equipped with a surface air valve (SAV) that allows the diver to breathe ambient air while at the surface. The SAV may be easily assembled on the octopus/SAV port. Each SAV comes with 4 colored silicone rings to match the mask color.

Optical Lens Support (code 33299)

A frame specially designed for the Neptune series of masks which allows the use of standard optical lenses (not included) while diving. Both lightweight and strong, the frame can be easily inserted and removed in the mask thanks to the seal side slots.

Quick Connect Hose (code 33032)

Made of chromium plated brass, this device allows for quick and easy connection and disconnection at the second stage, so the mask may be transported free of the first stage. The length of the hose is 800 mm (32 inch). Also available in 48" length (code 33018).

Swivel Connection (code 33033)

Made of chromium plated brass, this device allows freer movement when attached to the second stage.

The swivel connection can be used in conjunction with the quick connect hose.



Neptune Mask Measuring Kit (code 33075)

For determining mask size, this kit contains the following items:

- > Measuring tool (caliper)
- > Full face mask size recommendation chart
- > Measuring instructions



Damper (code OR023006)

When communicating underwater at short distance or in closed environments, it is often possible that audio distortion is caused by excessive transmission strength. The transmitters are relatively powerful, and if they are used in a pool or very close to each other, distortion can be created. The audio goes “off the scale”, and becomes difficult to understand.

The “Damper” can be inserted on the antenna; it is made of a spongy material with many tiny air pockets. The combination of the two materials creates the filter needed to reduce the transmission power as needed and make conversation intelligible again.

Octopus port

It is possible to connect an octopus to the Neptune Space *G.divers* thanks to a special adapter that allows the user to install a majority of conventional 2nd stages by removing the mouthpiece. The adapter is available in two sizes, medium (standard) and small (code 33020: S, code 33021: M).





Underwater communication units

Since the beginning of SCUBA diving, divers have wanted to talk to each other underwater. So far, the only feasible systems for audio communication have been available only to commercial divers. Unfortunately, these systems were also complicated, cumbersome, and expensive.

However, OCEAN REEF has designed a communication system which is easy to use, lightweight, and within a recreational diver's budget.

The OCEAN REEF underwater communication system adds a whole new dimension to dive safety and enjoyment by connecting divers with each other and with partners on the surface.

It includes a diver transceiver unit (GSM *G.divers*), a receiving unit for diver wearing a conventional mask and regulator (M101A *G.divers*) and a portable surface underwater communication transceiver to be used on board or on the shore (M100 *G.divers*).





PINK



GSM *G.divers*

(code OR033109)

The underwater communication allows a great evolution of the diving activity and an outstanding improvement of the underwater instruction and education. Besides, the underwater communication is also making the diving activity safer and more enjoyable.

The new GSM *G.divers* transceiver (high performance communication system) expands the diver's ability to communicate with others verbally.

The ultrasonic transceiver boasts the autonomy of approximately 30 hours in receiving mode, a range of operation of 200-250 meters (calm sea water), lightweight and sleek design. It is a powerful, single channel and inexpensive PTT (push to talk) underwater wireless communication unit. The unit automatically activates upon contact with the water and it uses a 9V alkaline battery with a "low battery" alarm which beeps every 30 seconds when the battery is low.

The GSM *G.divers* communication unit is the perfect addition to any training class or guided tour and operates on the same frequency as all other OCEAN REEF units and most popular wireless communication units on the market.

GSM *G.divers* uses a D-Mic, a special microphone

with the housing sealed by hydrophobic membrane which is permeable to air, but prevents water from passing through the electronics.

The membrane's reduced thickness limits any reduction of the vocal signal. The permeability of the membrane keeps the internal pressure equalized with the external pressure, enabling the microphone to be used at practically any depth. Each GSM *G.divers* comes with the NACS™ (Neptune Adjustable Communication Support) (code 33054). The patented NACS™ is an adjustable support arm for the GSM *G.divers* and other OCEAN REEF underwater communication units. It can be installed on the left side of the mask and prevents the communication unit from hanging on the mask strap. By relieving the weight of the communication unit, the NACS™ also allows the mask strap to slide easily through the buckle; thus, the strap can stay loose while the mask is donned and the communicator stays out of the way. The NACS™ can be adjusted for tilt and distance between the communication unit and the visor.





M101A *G.divers*

(code 33107)

The M101A *G.divers* is a receive-only unit operating on one channel. The M101A fits on any conventional mask strap or full face mask models. It might be held and shared by more divers thanks to the high quality speaker. The M101A's reception is so strong that, infact, it is not always necessary to attach it to the mask strap.

A diver may hold the unit or attach it to a BC, allowing other divers to listen to the transmission (dependent upon environmental conditions and distance). The unit automatically activates upon contact with the water. The M101A uses a 9V alkaline battery and has a "low battery" alarm which beeps every 30 seconds when the battery is low. The M101A unit's total battery life is approximately 30 hours.



M100 *G.divers* Portable Surface Transceiver

(code 33165)



The M100 *G.divers* is a portable surface transceiver unit that may be worn on the operator's belt. This is a high performance, compact, and easy to use unit. It is made to respond to the demands of communicating with divers in action without carrying expensive, complicated and heavy units. The size of the main unit is similar to a cellphone.

The main unit has a PTT (Push to Talk) button and a headphone/microphone connector. The unit turns on when the headphone/microphone is connected to the main unit. The unit turns off automatically when the headphone/microphone is removed.

A 10 meter (33 feet) transducer cable connects to the main unit and is lowered into the water. The operator may control the depth of the transducer.

It operates on one channel and uses a 9V replaceable alkaline battery with autonomy of approximately 9 hours. The range of operation is approx 200 meters (600 feet).

The unit comes with the following items:

- > 10 meter (33 feet) transducer cable
- > Headphone/microphone
- > Screwdriver.





Neptune System Training Program

The Neptune System Training Program (NSTP) is designed to teach the safe usage of OCEAN REEF full face masks and underwater communication system. A large section is dedicated to the proper education of how to communicate underwater with an innovative training system to make the team members more efficient and understandable while communicating.

The program has been developed by the R&D department of OCEAN REEF with the support of Course Directors, Instructor Trainers and Instructors around the world.

OCEAN REEF can also provide educational material for certified instructors.

The NSTP is a friendly step-by-step learning program of “why” and “how” to use / teach with an OCEAN REEF full face mask, its accessories and the communication units.

The program is designed to improve the instructor’s knowledge and familiarity of an important and sometimes overlooked area of diving activity.



For more information please refer to the Neptune System Training Program on <http://www.oceanreefgroup.com/training.html>



COBALT



OCEAN REEF is a corporate partner with the Birch Aquarium at Scripps Institution of Oceanography



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design by Sinergica photography by e-motion and OCEAN REEF diving team - special thanks Letizia Beach Resort Noli-Italy, Ute & Miha Fricc, Stefan Baler, Malik Schreiber, Christoph Brix, Thierry Lucas

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