



CATEGORY







mares

Product Catalog

INDONESIA



BECAUSE WE CARE



PROTECTING THE OCEAN WITH ECO-FRIENDLY PACKAGING

Over the past years, Mares has been on a mission to reduce the use of unnecessary plastic in our packaging in an effort to better care for the planet we call home, because if we don't take care of our oceans, who will?

As divers, respecting the ocean is a fundamental rule, but we feel the call to set a higher standard at Mares. We have adopted concrete measures to reduce unnecessary plastic in our company, from removing most of the outer film coatings on our packaging, to using 100% eco-friendly mask boxes. We also encourage our employees, collaborators, and suppliers to do the same. To safeguard what we love most, we must do our part to preserve all bodies of water now and for future generations.

The initial steps have been taken, with non-plastic alternatives gradually being introduced throughout all our lines, hoping in the near future to replace plastic completely.

Join us in our quest to protect the blue planet.

Since 2007, Mares - as a company of the HEAD Group - has been partnered with global environmental charity Cool Earth. This partnership has resulted in a worldwide environmental program - the first of its kind for a sporting goods company. The simple idea behind Cool Earth is that rainforests are worth much more left standing than they are cut down for timber or burnt to clear land for cattle ranching. Clearing just an acre of rainforest can emit a staggering 260 tonnes of CO₂. Cool Earth works directly with local communities and NGO's around the world to help them protect their forests and halt the impact of deforestation on climate change.

WE SUPPORT COOL EARTH, SO SHOULD YOU.

Go to coolearth.org and learn more about what you can do to help safeguard the planet's essential ecosystems.





MARES S.p.A

contributed to the following savings in 2022:

4.206 kg	CO2 Equivalents
12 kg	phosphate equivalents
158 GJ	primary energy
15 kg	sulfur dioxide equivalents

This quantity corresponds approximately to the CO2 emissions filtered from the air by 4,206 m2 forest in one year



SUSTAINABILITY WITHIN THE OFFICE

Mares HQ now uses vending machines with paper cups and wooden spoons. All employees have re-usable water bottles and recycling areas have been placed throughout the office environment.



100% ECO-FRIENDLY MASK BOX

Mares mask boxes are now molded from sugar cane pulp. Reusable. Recyclable. 100% eco-friendly. Sugar cane pulp is the new cardboard. These new sugar cane fiber-based mask boxes are naturally white, which means no bleaching, and are easier to produce, which lowers water consumption and pollution.



REUSABLE MESH BAGS

Mares mask boxes are now molded from sugar cane pulp. Reusable. Recyclable. 100% eco-friendly. Sugar cane pulp is the new cardboard. These new sugar cane fiber-based mask boxes are naturally white, which means no bleaching, and are easier to produce, which lowers water consumption and pollution.



SUSTAINABLE SHIPPING

We are also significantly cutting down the use of plastic when shipping packages, with no more plastic air cushions or bubble wrap used as filling material.



GREEN 'BIO-PLASTIC' POLYBAGS

The new way to package all Mares fins and snorkels.



75 YEARS = OVER 75% DURABLE YET SUSTAINABLE

We have surpassed our aim of reducing plastic packaging by 70% since our 70th anniversary. Now Mares is proud to say our packaging is over 75% recyclable, with some product lines reaching 100%!



Replacements perform just like standard plastic.



NO PVC

Mares is replacing PVC packaging stickers with paper ones.



MARES REDUCES ITS ENVIRONMENTAL FOOTPRINT

by using ethanol extracted from sugar cane instead of crude oil for 'bioplastic' polybags, which significantly reduces carbon emissions.



SAY NO TO FILM COATINGS

Mares has removed most of the outer plastic film coatings on our packaging.



SAY GOODBYE TO PLASTIC CLAMSHELL PACKAGING

Mares aims to eliminate all plastic clamshell mask packaging.



CORN-BASED BAGS

The new eco-friendly option for wetsuit packaging.

XR-REC TRIM

SINGLE BACKMOUNTED SET



This innovative, all-in-one, technical buoyancy system is unique amongst other Mares XR systems with its new Quick Trim Adj solution. Divers can now easily adjust their system to create a custom fit and perfect their trim in a matter of minutes.

Mares believes that one of the most important things as a technical diver is trim, hence the 'Trim' name. Mares designed this system's high buoyancy lift with a streamlined design that offers smart solutions to improve trim.

The new "Skeleton" backplate design reduces excessive weight, making it ideal for travel. It features 40% less volume and weight than the standard XR ALU BP 3mm version. This new, wider design also improves tank stability during a dive. The adjustable backplate allows the user to install two tank straps for better tank stability.

Dedicated waist strap slots on the new backplate feature a curved design to increase comfort and help keep the strap in position without additional trigliders. Divers who would like to forgo a weight belt have newly designed, dedicated weight pockets as an optional add-on.

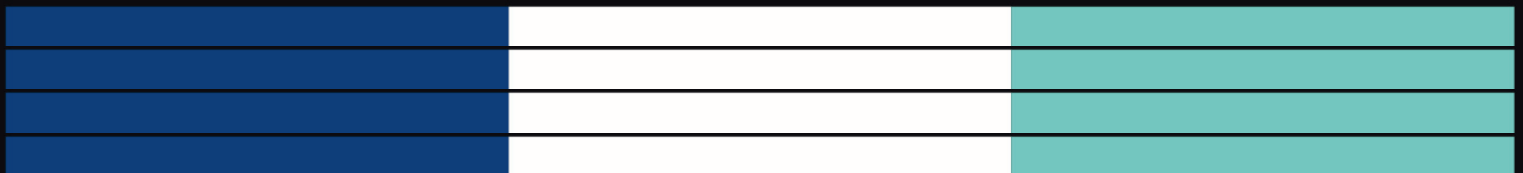
Additional features include two aluminum D-rings on the waist strap, perfect for securing stage tanks, a stainless-steel waist strap buckle that is extremely durable and shoulder protection for unparalleled comfort.

Mares positioned the shoulder straps independently from the waist strap to make customizing the XR-REC Trim fast and easy.

Left and right shoulder buckles help divers with to don and doff their set quickly and easily, especially when in the water. Additionally, it is also possible to replace the buckles with our Mil-Spec Aluminum version that includes a two-point quick-release system.

The XR-REC Trim will be available in four color options: black, white, blue, and aqua.

ENJOY NOT ONLY A CUSTOM FIT, BUT ALSO A CUSTOM LOOK WITH THE XR-REC TRIM SINGLE BACKMOUNT SET



BOUYANCY SYSTEMS

XR-REC TRIM SINGLE BACKMOUNT SET

Code : 417566

- 17 LITER 1000D CORDURA MONO BLADDER FOR SINGLE TANK USE
- THE LOWER PORTION OF THE BLADDER HAS BEEN EXTENDED TO IMPROVE BOUYANCY AND TRIM
- ERGONOMIC OVERPRESSURE VALVE PLACEMENT WHICH IS EASY TO USE IN ALL DIVING POSITIONS
- QUICK TRIM ADJUSTMENT - A SMART, FAST SOLUTION TO FIND YOUR IDEAL TRIM
- LEFT AND RIGHT SHOULDER BUCKLES
- INDEPENDENT SHOULDER AND WAIST STRAPS. QUICK AND EASY ADJUSTMENT
- SHOULDER PADDING FOR BETTER COMFORT
- ADJUSTABLE CROTCH STRAP WITH 2 BP CONNECTIONS FOR BETTER COMFORT AND STABILITY
- K-STYLE INFLATOR WITH METAL BUTTONS AND A STRETCHY, OVAL-SHAPED, CORRUGATED HOSE
- 3 MM SILVER ALU BACK PLATE WITH A LIGHTWEIGHT DESIGN
- 3 MM SILVER ALU SINGLE TANK ADAPTER
- 6 MM SILVER ALU D-RINGS
- 2 TANK STRAPS
- EXTREMELY LIGHT, ONLY 2.8 KG
- 4 COLOUR OPTIONS AVAILABLE : BLACK, BLUE, WHITE AND AQUA
- ONE SIZE FITS ALL
- PERFECT FOR TRAVELLING



HEAVY DUTY HARNESS

Code: **417501 - Complete**

WEBBING

- 3.5M WEBBING WITH CENTER HOLE AND GROMMET
- 3 X 40MM ELASTIC LOOP RETAINERS
- 1.5M CROTCH STRAP

HARNESS

- 2 X BENT D-RING 50MM STAINLESS STEEL
- 2 X STRAIGHT D-RING 50MM STAINLESS STEEL
- 4 X 3-BAR SLIDES NORMAL STAINLESS STEEL
- 2 X 3-BAR SLIDES TOOTHED STAINLESS STEEL
- 1 X WAIST BUCKLE STAINLESS STEEL

CROTCH STRAP

- 2 X STRAIGHT D-RINGS 50MM STAINLESS STEEL
- 1 X 3-BAR GLIDES 50MM STAINLESS STEEL
- DIR – HOGARTHIAN CONFIGURATION



HEAVY LIGHT HARNESS

Code: **417502 - Complete**

WEBBING

- 3.5 M WEBBING WITH CENTER HOLE AND GROMMET
- 3 X 40MM ELASTIC LOOP RETAINERS
- 1.5M CROTCH STRAP

HARNESS

- 2 X BENT D-RING 50MM BLACK ALUMINUM
- 2 X STRAIGHT D-RING 50MM BLACK ALUMINUM
- 4 X 3-BAR SLIDES NORMAL BLACK ALUMINUM
- 2 X 3-BAR SLIDES TOOTHED BLACK ALUMINUM
- 1 X SS316 STANDARD WAIST BUCKLE

CROTCH STRAP

- 2 X STRAIGHT D-RINGS 50MM BLACK ALUMINUM
- 1 X 3-BAR GLIDES 50MM BLACK ALUMINUM
- DIR – HOGARTHIAN CONFIGURATION



DONUT BLADDER SINGLE TANK DONUT BLADDER TWIN TANK

Code : **417568** - 10kg / 16kg

- DRAINS : 6 LARGE GROMMETS, 2 ON TOP AND 4 ON BOTTOM
- 1200D "BULLETPROFF" BALLISTIC NYLON AND 600D POLYESTER EXTERIOR
- HEAVY DUTY PLASTIC ZIPPER AND SLIDER WITH ELONGATED TEETH
- 4 HEAVY DUTY GROMMETS
- LONGER TANK BELT GROOVES TO ALLOW OPTIMUM TRIM
- STRETCHY, LOW PROFILE, OVAL, CORRUGATED HOSE
- K-STYLE INFLATOR WITH METAL BUTTONS
- LEFT POSITION DOES NOT INTERFERE WITH 1ST STAGE DUMP VALVE
- LOW PROFILE DUMP VALVE
- MICRO PULLER
- TANK STABILIZER BODY SLIDE BARS
- STYLISH, DURABLE (RESISTANT TO TEARS, SCUFFS, AND ABRASIONS), LIGHTWEIGHT AND LONG-LASTING
- VERY SMART AND UNIQUE DESIGN ALLOWING THE CYLINDER TO NEST INSIDE
- EXTREMELY STREAMLINED - VERY STABLE CONTINUOUS LOOP SHAPE
- SMOOTH GAS SHIFT FROM LEFT TO RIGHT
- TOP QUALITY ZIPPER : DOES NOT INTERFERE THE WOVEN TEXTILE TAPE, EASY HANDLING, STRONG AND DURABLE



Code : **417569** - 20kg / 24kg

- DRAINS : 6 LARGE GROMMETS, 2 ON TOP AND 4 ON BOTTOM
- 1200D "BULLETPROFF" BALLISTIC NYLON AND 600D POLYESTER EXTERIOR
- HEAVY DUTY PLASTIC ZIPPER AND SLIDER WITH ELONGATED TEETH
- 4 HEAVY DUTY GROMMETS
- LONGER TANK BELT GROOVES TO ALLOW OPTIMUM TRIM
- STRETCHY, LOW PROFILE, OVAL, CORRUGATED HOSE
- K-STYLE INFLATOR WITH METAL BUTTONS
- LEFT POSITION DOES NOT INTERFERE WITH 1ST STAGE DUMP VALVE
- LOW PROFILE DUMP VALVE
- MICRO PULLER
- TANK STABILIZER BODY SLIDE BARS
- STYLISH, DURABLE (RESISTANT TO TEARS, SCUFFS, AND ABRASIONS), LIGHTWEIGHT AND LONG-LASTING
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- EXTREMELY STREAMLINED - VERY STABLE CONTINUOUS LOOP SHAPE
- SMOOTH GAS SHIFT FROM LEFT TO RIGHT
- TOP QUALITY ZIPPER : DOES NOT INTERFERE THE WOVEN TEXTILE TAPE, EASY HANDLING, STRONG AND DURABLE



BACKPLATE SOFT

Code : **417509**

- 1200d ballistic nylon
- Ultra light
- Comfortable padding in water-draining polypropylene, with 4 slots
- 2 upper and 2 lower slots to connect the straps directly to the cylinder
- 5 sliding triglides
- Special positioning for optimal mounting of the harness and crotch strap / undercarriage
- 2 center holes in the top and 2 in the bottom offer a wide range of height adjustments for the bags
- 2 holes in the middle of both sides of the long perimeter and 4 holes along the bottom allow the mounting of accessories from the side and bottom plate for sidemount
- 4 D-rings
- Highly technical shaping - unprecedented versatility
- Ultra robust material - pushed to the limit through intense testing
- Total modularity: all harnesses and rear "donut" or horseshoe bagss



BACKPLATE STAINLESS STEEL

Code : **417507** - 3mm

Code : **417507** - 6mm

- 3 mm 316 stainless steel
- Laser cut and engraved with 13 slots
- Curved lower edges
- Mares xr logo and laser cutting of the shaping
- Highly technical pre-shaping - unprecedented versatility
- Pushed to the limit through intense testing
- Total modularity: all harnesses and rear "donut" or horseshoe bags
- 8 Loops specifically designed for optimal harness positioning
- 2 upper and 2 lower loops to connect the straps directly to the tank
- The presence of only 2 loops provides sufficient lateral stability to tank without weakening the structure of the backpack
- Wide 5 cm/2" slot for the crotch/crotch strap
- 15 holes: 3 holes in the top of the backpack offer a wide range of height adjustments for bags and cylinders. In addition, a corresponding slot in the lower central part allows you to fix any misaligned bolts of the lower band
- 4 holes on the upper and lower perimeter along each side and 4 along the bottom allow the mounting of accessories



BACKPLATE ALUMINIUM

Code : **417508**

- 6061 marine anodized aluminum alloy
- Laser cut and engraved with 13 slots
- Curved bottom edges
- Mares xr logo, and laser cut of the shaping
- Highly technical pre-shaping - unprecedented versatility
- Ultra strong non-deformable back part
- Pushed to the limit through intense testing
- Total modularity: all harnesses and rear "donut" ring bags • 8 Loops specifically designed for optimal positioning of the harness
- 2 upper loops and 2 lower loops to connect the straps directly to the tank
- The presence of only 2 loops provides Sufficient lateral stability to the tank without weakening the backpack structure
- Wide 5cm/2" slot for crotch/crotch strap
- 3 holes in the top of the backpack offer a wide range of height adjustments for bags and tanks. in addition, a corresponding slot in the lower central part allows you to fix any non-aligned bolts of the lower band
- 4 holes on the upper and lower perimeter along each side and 4 along the bottom allow the mounting of accessories



STAXR SINGLE TANK ADAPTER

Code : **417561**

- 3 mm 316 stainless steel
- Quick and easy attachment of the backplate to the single tank
- Fits perfectly into the tank body
- Small and compact with the unique XR design
- Made of marine grade 316 stainless steel



BOUYANCY SYSTEMS

MASK POCKET

Code: **417506**

- 1200D "BULLETPROOF" BALLISTIC NYLON
- 600D POLYESTER WEB GRID
- LARGE AND EXPANDABLE
- INNER REINFORCEMENT IN BLACK POLYURETHANE
- 1 OVERSIZED CLIP
- LONG NYLON STRAP ALLOWING FULL POCKET EXPANSION
- 1 LARGE NYLON LOOP TO SLIDE OVER HARNESS BELT
- CAN BE ATTACHED TO YOUR HARNESS



SIDE WEIGHT POCKET

Code: **417533**

- HOLDS UP TO 4KG
- 1200D "BULLETPROOF" BALLISTIC NYLON AND 600D POLYESTER EXTERIOR
- MODULAR - THEY CAN BE INSTALLED ON ANY MARES XR HARNESS
- CAN BE PLACED ON WAIST STRAPS
- HEAVY DUTY COLD WATER VELCRO® BRAND CLOSURE SYSTEM
- INTEGRATED FLAT D-RING



CARGO POCKET

Code :**417505**

- 1200d ballistic nylon
- Large volume pocket with zipper closure
- Internal bungee cord
- Internal stainless steel D-ring
- Front pocket with zipper closure
- 2 Large nylon eyelets to slide it over the harness strap
- 2 Loops small for standard belt
- 2 drainage eyes on the bottom
- Can be attached to the xr harness or any other



STANDARD WEIGHT SYSTEM

Code: **417567 Pair**

- AN ADD-ON TO UPGRADE YOUR BCD
- EACH POCKET HOLDS UP TO 4KG
- 1200 „BULLETPROOF“ BALLISTIC NYLON AND 600D POLYESTER EXTERIOR
- EASY TO INSERT, EVEN WHEN FULL
- ONE-HANDED USE
- SAFE AND RELIABLE LOCKING SYSTEM



PURE LIGHT SIDEMOUNT SET

Code : **417547**

- The Pure Light Sidemount Set is the complete kit created by Mares for the sidemount configuration. The set is among the very best for a complete sidemount configuration, and mainly consists of two elements.
- The first one is the sack, and is in ballistic nylon, with a particular shape suitable for the configuration.
- The second, the harness, complete with all the aluminum accessories, is completed by a fabulous weight bag.
- The importance of this kit is its customization capabilities for the individual silhouette.
- Since everything is adjustable, this customization is essential for obtaining excellent buoyancy in the water.



SIDEMOUNT BACK POUCH

Code: **417534**

- 1200D "BULLETPROOF" BALLISTIC NYLON AND 600D POLYESTER EXTERIOR POSTERIOR POUCH
- ZIPPERED FRONT
- 316 STAINLESS STEEL D-RINGS TO ATTACH FASTENING
- VERY USEFUL ACCESSORY FOR ALL SIDEMOUNT DIVERS ENABLING YOU TO STOW AWAY EVERYTHING THAT YOU WOULD NORMALLY CARRY IN YOUR POCKETS
- FAST AND EASY WATER DRAINAGE
- OUTER MESH POCKET FOR STORAGE OF SLATES, DIVE TABLES OR WETNOTES
- DOUBLE ENDERS NOT PROVIDED



SIDEMOUNT BACK WEIGHT

Code: **417532**

- HOLDS UP TO 12KG
- 1200D "BULLETPROOF" BALLISTIC NYLON AND 600D POLYESTER EXTERIOR
- HEAVY DUTY COLD WATER VELCRO® BRAND CLOSURE SYSTEM
- ATTACHMENT GROMMETS ON TOP AND BOTTOM FOR MODULAR FIXING ON SIDEMOUNT PLATES
- 3 BACK STRAPS FOR ADJUSTABLE ATTACHMENT ON HARNESS



STAGE RIGGING SET

Code : **417518**

- The most modular system for carrying stage cylinders
- Adaptable to all cylinder diameters
- Adaptable to all cylinder heights
- Includes : 2 large stainless steel Dead Bolt Snaps, adjustable cylinder strap with stainless steel buckle and high strength lanyardbags



ELASTIC THREADED BUNGEE

Code : **417554**

- FOR REGULATOR NECKLACE, SIDEMOUNT LOOPS, HARNESSES, TANKS AND STAGES, BACKUP LIGHTS, DRY SUITS ETC.



DEADBOLT SCREW ROUND

Code: **417521 - 6mm and 9mm**

- STRONG, DURABLE SCREW FOR ALL ATTACHMENTS
- PRECISION MADE FROM AISI 316 GRADE STAINLESS STEEL
- ROUNDED HEAD - 6 MM AND 9 MM
- ACCESSORIES FOR ADDITIONAL CONFIGURATION
- 4PCS (1PC = MALE + FEMALE + O-RINGS)



DEADBOLT SCREW FLAT

Code: **417538 - 11mm Black**

- STRONG, DURABLE SCREW FOR ALL ATTACHMENTS
- PRECISION MADE FROM AISI 316 GRADE STAINLESS STEEL
- 11MM FLAT HEAD DEAD BOLT SCREW WITH O-RINGS
- ACCESSORIES FOR ADDITIONAL CONFIGURATION
- 4PCS (1PC = MALE + FEMALE + O-RINGS)
- USE O-RINGS WITH ALUMINUM PLATES TO PREVENT ANODIZING



BOUYANCY SYSTEMS

D-RINGS SS316 BENT

Code: **417526**

- ACCESSORIES FOR ADDITIONAL CONFIGURATION
- PRECISION MACHINED FROM SS AISI 316
- FITS WITH ALL HARNESS STRAPS
- 10 PCS



D-RINGS SS316 FLAT

Code: **417525**

- ACCESSORIES FOR ADDITIONAL CONFIGURATION
- PRECISION MACHINED FROM SS AISI 316
- FITS WITH ALL HARNESS STRAPS
- 10 PCS



DEAD BOLT SNAP SS316

Code: **415765 - 75mm**

Code: **415765 - 120mm**

- HIGH QUALITY 316 MARINE GRADE STAINLESS STEEL
- CORROSION AND RUST RESISTANT
- SWIVELING BASES MAKING THEM EASY TO USE
- SMALL SNAPS ARE IDEAL FOR ATTACHING ITEMS SUCH AS BACKUP LIGHTS, A LONG REGULATOR HOSE, A CANISTER LIGHT, SPG ETC.
- LARGE SNAPS ARE GREAT FOR COLD WATER USE WHERE THICK GLOVES MAKE DEXTERITY DIFFICULT



TECHNICAL FEATURES

Sizes	75mm	120mm

DOUBLE ENDER SS316

Code: **415766 - 90mm**

Code: **415766 - 100mm**

Code: **415766 - 120mm**

- HIGH QUALITY MARINE GRADE 316 STAINLESS STEEL
- CORROSION AND RUST RESISTANT
- EASY TO USE EVEN WITH DRY GLOVES
- TO CLIP AWAY GEAR INSIDE DRY SUIT POCKETS
- TO TEMPORARILY STOW A CANISTER LIGHT HEAD
- TO ATTACH A PRIMARY REEL, A SPOOL, WET NOTES, A SPARE MASK, ETC.



TECHNICAL FEATURES

Sizes	90mm	100mm	120mm

BOUYANCY SYSTEMS

TOOTHED SS316 TRIGLIDERS

Code: **417524**

- ACCESSORIES FOR ADDITIONAL CONFIGURATION
- PRECISION MACHINED FROM SS AISI 316
- FITS WITH ALL HARNESS STRAPS
- 10 PCS



SPRING STRAP FOR TEK FIN

Code: **415768**

- SPRING WITH WRAP AROUND NYLON PULLER & SAFETY CHORD
- THE BEST SOLUTION FOR TECHNICAL AND COLD WATER DIVING
- SOLD AS A PAIR



TECHNICAL FEATURES

Sizes	R	XL	XXL
	31 cm	34 cm	37 cm

HAND LINE-CUTTER

Code: **415777 Ceramic**

- S/S
- ULTRA SHARP
- EXCELLENT ABRASION AND CORROSION RESISTANCE
- VELCRO® BRAND FASTENER
- DEDICATED BAG



LIFT BAG

Code: **415757**

- WELDED AND DOUBLE STITCHED
- 30KG / 80 LB LIFT CAPACITY
- AVAILABLE IN SAFETY-ORANGE COLOR, EASILY SPOTTED BY SURFACE OR AIR TRAFFIC
- ONE-WAY VALVE FOR LP CONNECTOR OR ONE-BREATH INFLATION
- STAINLESS STEEL D-RING ON TOP AND BOTTOM, AND BUNGEE ATTACHED ON THE BOTTOM
- OVER-PRESSURE VALVE (OPV) ALLOWS FOR PRECISE ADJUSTMENT DURING LIFT OPERATIONS WITH A LONG PULLER
- ESSENTIAL FOR A RANGE OF DIVING ACTIVITIES: FROM SALVAGE AND SIGNALING TO REDUNDANT LIFT AND EMERGENCY FLOTATION
- ELIMINATES THE CHANCE THAT GAS WILL ESCAPE FROM YOUR LIFT BAG DURING ASCENT OR WHILE ON THE SURFACE



DETAILS



		S	M	L	XL	2XL	3XL
A	-	156/166	163/173	170/180	177/187	184/194	190/200
B	-	55/65	65/75	75/85	85/95	95/105	105/115

	TOLERANCE	S	M	L	XL	2XL	3XL
C	+- 1.5 cm	58	62	65	69	72	75
D	+- 2.0 cm	118	130	144	152	160	168
E	+- 0.5 cm	28	29.5	31	32.5	34	35
F	+- 0.5 cm	32	34	36	38	40	42
G	+- 0.5 cm	46	50	55	57	60	62

HORIZON

A REVOLUTIONARY APPROACH

- Extended dive time
 - Lightweight
 - As easy as nitrox diving
 - Creates a natural diving position
 - Fail-safe gas operation
 - Easy to assemble and prepare
 - Ready for advanced divers
 - Intuitive interface
 - approved for nitrox mixes from 30% - 99% O₂
- (Maximum depth: 40m)



mares | **XRA**
extended range

HORIZON

A REVOLUTIONARY APPROACH INTUITIVE INTERFACE

An integrated controller completes the Horizon, with a 2.8", easy-to-read color display and optional wireless gas integration. This intelligent computer is effortlessly operated via two large piezo elements, especially when wearing gloves, and includes a scrubber monitoring system to keep the diver informed of their scrubber status at all times, and an audible warning alarm.



PRE DIVE			POST DIVE			
0.0 _m	PRE-DIVE CHECK ✓		🕒 14:35:20	GF	30/70	
			📅 27/02/2017	AGF	35/85	
			🌡️ 24°C	JOHN SMITH		
			BATT 4h 35	🇨🇷 ICE 1: +39 0185 2011 ICE 2: +39 0185 2011		
BOTTOM GAS	O2 SET	SCRUBBER	MIX	SET	MOD	PRESS
36%	28%	2h 45	BOTTOM 38%	32%	30m	200bar
			DECO 80%	75%	10m	200bar
MENU			INFO			

NO DECO DIVE			DECO DIVE		
12.8 _m	0h 43		12.8 _m	1h 22	
NO DECO			DECO		
--m	45: 2:	29%	6 _m	4: 15:	52%
BOTTOM GAS	O2 SET	SCRUBBER	DECO GAS	O2 SET	SCRUBBER
36%	28%	2h 45	60%	52%	1h 55
MENU			INFO		

DIVE WARNINGS							
WARNING			BAIL OUT				
STOP	DECO	TTS	O2 LOOP	STOP	DECO	TTS	O2 LOOP
6 _m	4:	15:	52%	6 _m	4:	15:	52%
BATTERY < 25%			SCRUBBER	GAS CHECK FAILED CHANGE TO OC			SCRUBBER
			1h 55				1h 55
MENU			CONFIRM	CONFIRM			CONFIRM



HORIZON

BOV - BAIL OUT VALVE

- Allows the diver to easily switch to open-circuit breathing, as with a standard open-circuit regulator

NON INTERCHANGEABLE QUICK RELEASE CONNECTIONS

- Breathing hoses have unique snap-in connectors and are color-coded, meaning they are easy to attach and cannot be interchanged

SPRING-LOADED CANISTER CAPS

- Canister caps are fixed in place using spring loaded clamps
- No tools required for set-up

DUAL SCRUBBER CANISTER CONFIGURATION (PAT.PENDING)

- Reduced scrubber material consumption
- Increased safety
- Reduced overall unit dimensions

BREATHING LOOP

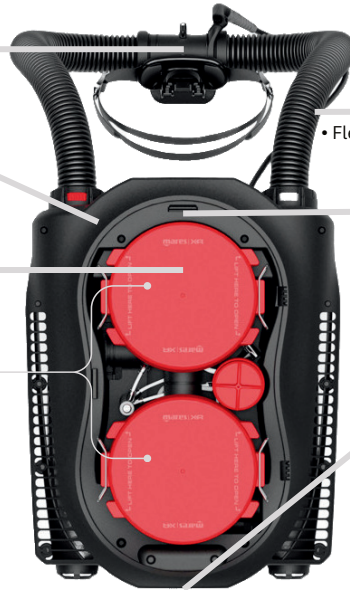
- Flexible corrugated silicone hose that allows unrestricted head movement

TOP INTEGRATED WEIGHT COMPARTMENT

- Can hold up to 2.5kg
- No specialized weights are required

BOTTOM INTEGRATED WEIGHT COMPARTMENT

- Can hold up to 2.5kg
- No specialized weights are required
- Unit can hold a combined overall weight of 5kg



HUD-HEADS-UP DISPLAY

- A simple, pulsating, colored LED indicates the unit's status
- Can be assembled on the left- or right - hand side of the mouthpiece according to preference
- Green soft pulsing light = Everything is functioning correctly
- Red flashing light = Check the dive computer
- Red fast flashing light = Bailout or do not dive

TOP AND BOTTOM DUAL SCRUBBER SYSTEM

- Each canister contains 1kg of scrubber material
- Scrubber canister are easily refilled by the diver
- No pre-packed cartridge needed
- Requires easily-sourced scrubber material - SOFNOLIME 797

BATTERY PACK

- Standard USB port for recharging
- All three independent battery systems can be charged from this central port



GAG STRAP

- Keeps the mouthpiece comfortably and safely in place
- Conforms to CE requirements

AUTO-DELIVERY VALVE

- Allows natural breathing during descent by maintaining gas volume in the counter lungs

ORIFICE

- Continuously provides the minimum required nitrox supply

TWO O₂ SENSORS

- Automatically monitors the supplied gas
- Redundancy for greater reliability

OVER-PRESSURE VALVE

- Releases gas on ascent

ELECTRONICS COMPARTMENT AND ELECTRONIC ADDITION VALVE

- Dual independent electronics (for the unit and computer) are installed in the bottom scrubber canister cavity
- Both sets have an independent power-supply
- Each set of electronics can act as a back-up for the other in the event of a system failure





MARES LAB

- **BASIC SERVICE TECHNICIAN DIGITAL LEARNING COURSE**

The highly interactive online digital learning course is delivered to the learner using the latest Educational Management System (EMS) technology. The EMS platform technology along with extensive use of video and graphic content enhances learning and retention of information and produces a highly enjoyable educational experience. The course is open to anyone, and can be accessed by contacting the local Mares Subsidiary or Distributor.

take this course as the first step to becoming a fully qualified Mares Service Technician, or if you simply want to learn the basics of regulator design and service and/or repair. This course is a prerequisite requirement for most MaresLab Skill Based Training Courses. Completion of this course does not qualify you to service or repair Mares equipment.



The course goals are to :

1. Establish your basic knowledge level relating to regulator service and repair procedures.
2. Provide you with basic information about regulator design and function.
3. Provide you with Mares specific information relating to service and product information.
4. Help prepare you for success in one or more Mares Lab Skill Based Training Courses.

Prerequisite Requirements:

Course is open to anyone.

- **MARES LAB SKILL BASED TRAINING COURSES**

- MARES SERVICE TECHNICIAN
- MARES DIVING CENTER SERVICE TECHNICIAN
- MARES SPECIALTY SERVICE TECHNICIAN



After successfully completing the Basic Service Technician Digital Learning Course, you are now ready to progress to the skill based training phase of becoming a qualified Mares Service Technician. These courses are conducted by qualified Mares Lab Instructors and consist of comprehensive hands-on training exercises. During these courses you will have opportunity to perform multiple service procedures on a wide variety of Mares products, including multiple complete regulator service overhauls on various Mares regulators. You'll also gain valuable experience in using the Mares Service Manual and Spare Parts Catalog during routine and special service procedures. Skill based training courses are designed to :

1. Provide comprehensive, real world, hands-on training about how service and repair Mares product.
2. Enhance the knowledge gained from the Basic Service Technician Digital Learning Course.
3. Develop skills and abilities to the level required to successfully perform service and repair procedures on Mares products.
4. Prepare you for a successful full or part-time career as a Mares Service Technician.

- **MARES LAB SKILL BASED TRAINING COURSES**

This course is designed for technicians who plan to work in a Mares Diving Center, such as a resort or diver training facility, that has limited or no retail sale of Mares equipment. Course duration is 1 day and provides skill based training related to the Mares Diving Center product line. Take this course if you plan to work in a Mares Diving Center and are interested in being able to service and repair your affiliated Mares Diving Center owned Mares products. **Successful completion of the Diving Center Service Technician Course qualifies you to service and repair ONLY your affiliated Diving Center OWNED equipment used in rental and/or training programs.**

Prerequisite Requirements:


Completion of the Basic Service Technician Digital Learning Course. Be affiliated with an Authorized Mares Diving Center.

Be approved by the affiliated Mares Diving Center to attend the course.





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