



REBREATHERS



2023 BUYER'S GUIDE

OUR HISTORY

Bob Hollis had his first rebreather experiences in the mid-60's. He used Draeger units to allow him to get close to sea otters and other marine life in Monterey Bay. In 1970, Hollis made some of the first dives on the Electrolung rebreather using Heliox down to 300 feet in Honduras and Bonaire, filming shipwrecks and deep reefs. In 1990, Bob & Oceanic developed the "Phibian" rebreather, which at the time was the only commercially available unit.

In 2000, Hollis' parent company American Underwater Products, under two separate contracts with the United States Naval Surface Warfare Command, developed and delivered a unit called the "ATUBA" (Advanced Tactical Underwater Breathing Apparatus). This solid background of rebreather technology has led to the development of the Prism 2.



PRISM 2 ^{CE} TECHNICALLY FOCUSED

The Prism 2 is a fully closed circuit Rebreather, ideal for exploring open ocean, caves, or wrecks. This unit can be electronically or manually controlled which means you choose how you want the loop PPO2 maintained.

Available with back-mounted counter lungs or over-the-shoulder mounted counterlungs with a rear-mounted radial scrubber, which provide easy breathing with low-resistive effort and low hydrostatic loading. The Prism 2 has also been tested by ANSTI at 100M and has the lowest WOB of any mixed gas CCR on the market.

The standard kit includes an electronic handset, independent heads-up display, and a backplate/wing assembly that provides a complete kit ready to dive out of the box. The Prism 2 can be purchased with or without tanks/valves.

Gases: Air, Trimix, and Heliox

Automatic diluent addition valve adds diluent during descent or when the loop volume is low

Manual oxygen addition valve allows for manually controlling oxygen PPO2

Counterlung drains for easy water removal during a dive

All gas lines external to the breathing loop prevents leaks from affecting the PPO2

Manual diluent addition valve adds on-board or off-board diluent for loop flushing

High performance open circuit Bail Out Valve option

Integrated backplate, harness, and BC make the Prism 2 ready to dive out of the box

Modular design allows for customization

Accepts 13, 19, 30, or 40 cu ft cylinders for flexible gas management

Travel-friendly weight 3 lb (1.33 kg) - standard configuration when fully charged is approximately 47 lb (21.3 kg)

WRIST COMPUTER

Intuitive user interface of all system functions with two-button control

Large LCD handset is easy to read, even for buddy teams

PPO2 monitoring of three sensors continuous display of each sensor's PPO2, mv reading easy to access

Closed Circuit & Open Circuit, 5 gases supports diluent switching & multi-gas mix dive plans

2 button push OC bailout – If you have to leave the loop, quickly switches to bailout support

CNS Tracking based on real time oxygen exposure



PART NO.	ITEM
240.6520.000	PRISM 2 FMCL W/PETREL
240.6520.000.M	PRISM 2 FMCL W/PETREL (METRIC)
240.6530.000	PRISM 2 BMCL W/PETREL
240.6530.000.M	PRISM 2 BMCL W/PETREL (METRIC)



Front-Mounted
Counter Lung



Back-Mounted
Counter Lung

PRISM 2

TECHNICALLY FOCUSED

COUNTER LUNGS

Prism 2 includes the option of front-mounted or backmounted counterlungs. Combined with the rear mounted radial scrubber, the Prism 2 provides easy breathing with low resistive effort and low hydrostatic loading. These counter lungs are fitted with both automatic and manual gas addition systems and a variable volume control valve (only on FMCL version) that is used upon ascent to vent excess expanding gas volume or to purge the loop. Diluent addition is automatically achieved as hydrostatic pressure increases and the counter lung collapses against the valve actuator.



BOV

The Prism 2 Rebreather can be configured with an optional BOV (Bail Out Valve). BOV is a "Bail-out" mouthpiece which gives a quick one-handed operation from closed circuit to open circuit supplied by on-board gas.



HEADS UP DISPLAY (HUD)

The HUD allows monitoring of loop PO2 at all times during the dive using color LEDs mounted on the mouthpiece. The loop PO2 displays each of the three O2 sensors via an intuitive user interface. The HUD functions independently of the controller using its own DiveCAN bus and power supply. The HUD also has warning functions to alert the diver and buddy if PO2 is out of range.



WRIST COMPUTER

The Shearwater Petrel 3 handset display is one of the most advanced mixed gas CCR computers available today, and now with wireless gas monitoring. The Petrel 3 is designed to control the Prism 2 setpoint and uses the Buhlmann ZHL-16C mixed gas decompression algorithm with industry standard Gradient Factors to adjust for individual conservatism.

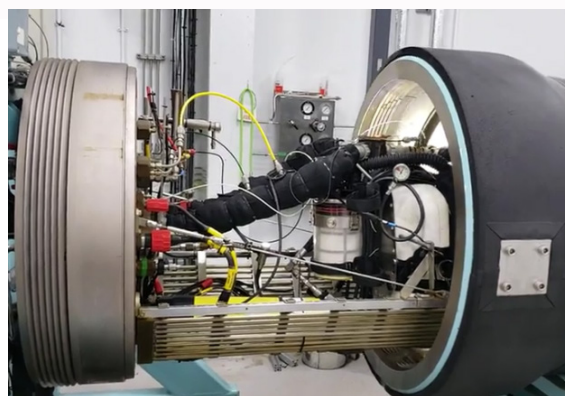
TRAINING ORGANIZATIONS

Divers new to rebreathers will have achieved a comprehensive, structured knowledge development through a course that lasts 4 to 5 days. Training on the Prism 2 Rebreather is available through major training organizations worldwide.

For more information about becoming a Hollis Rebreather training facility, contact your local Hollis representative.

CE APPROVAL

Hollis Rebreathers is proud to announce the Prism 2 Rebreather has received CE approval to the EN 14143:2013 standard. Both the front mounted counterlung and back mounted counterlung variants exceed all requirements. Using a standard CE benchmark which is 40 meters using air as diluent gas, the Prism 2 without any updates still has the best work of breathing at 1.57 J/L. We are beyond pleased to present the Prism 2 to our European customers and couldn't be happier with the performance results.



ELECTRONICS

PART NO.	ITEM
240.6520.100	PETREL ELECTRONICS W/P2 HEAD ASSEMBLY
240.6520.300	NERD ASSEMBLY
240.6520.400	PETREL HUD ONLY
240.6520.500	PETREL 3 HANDSET ONLY
220.9000	O2 SENSOR, PRISM 2
28990S.A	COVER, ELECTRONICS, SS
29237	HUD BRACKET ASSY, PRISM 2 DSV
28365	HUD BRACKET ASSY, PRISM 2 BOV
04.8000.02	TRANSMITTER ONLY, GREY 5.0
204.8320	TRANSMITTER ONLY, YELLOW 5.2

BREATHING LOOP ACCESSORIES

STANDARD SCRUBBER BASKET & CAP ASSEMBLY

Made from strong nylon mesh to reduce ripping

Assembly includes basket, lid, center tube & center tube O-ring

Nylon is thermally non-conductive, upping performance efficiency

BUCKET ASSEMBLY

Made from rugged and durable pressure-molded urethane

Urethane preserves heat, supports CO2 sequestration

Thermally protects scrubber material by insulating space



PART NO.	ITEM
27755	STANDARD SCRUBBER BASKET & CAP ASSEMBLY
27985	BUCKET ASSEMBLY

FMCL COMPLETE KIT

All components to convert your BMCL Prism 2 to FMCL

Includes: MAV, ADV, LP hoses, breathing hoses and connection to head, 1x inhale FMCL, 1x exhale FMCL

3.5L for each counterlung (Small size 2.5L each)



PART NO.	ITEM
240.6711	FMCL COMPLETE KIT, STANDARD
220.9004	FMCL EXHALE COUNTERLUNG ASSEMBLY, SMALL (W/OUT VALVES)
220.9005	FMCL INHALE COUNTERLUNG ASSEMBLY, SMALL (W/OUT VALVES)
220.9006	FMCL INHALE COUNTERLUNG ASSEMBLY, EXTRA PORT (W/OUT VALVES)
220.9011	FMCL INHALE COUNTERLUNG ASSEMBLY, SMALL, EXTRA PORT (W/OUT VALVES)
8036.H	O2 ADD VALVE SWIVEL ASSY
29293	AUTOMATIC DILUENT VALVE (ADV)

BMCL COMPLETE KIT

All components to convert your FMCL Prism 2 to BMCL

Kit reduces drag and creates clean horizontal trim



PART NO.	ITEM
240.6606	BMCL COMPLETE KIT / OPV AWAY FROM DIVER, RIGHT SIDE
240.6507	BMCL OUTER BAG ONLY
220.9501	BMCL INHALE BLADDER V2
220.9502	BMCL INHALE BLADDER W/OPV RETAINER V2
220.9503	BMCL EXHALE BLADDER W/ OPV RETAINER V2
220.9504	BMCL OPV ASSEMBLY (COURSE THREAD)
240.6592	BMCL V2 BLADDER UPGRADE KIT
240.6593	BMCL V2 BLADDER UPGRADE KIT INC'L INHALE OPV
28285.38	LPQD HOSE, 38 IN/97 CM
240.6511	OXYGEN MAV - BMCL
240.6512	DILUENT MAV - BMCL
26221	EXHAUST TEE ASSEMBLY
26227	INHALE ADV TEE ASSEMBLY, DSV
240.6518	BMCL OPV RETROFIT

REGULATORS

PRISM 2 ECCR 1ST STAGE OXYGEN (3 PORT)

Oxygen 1st stage for the Prism 2

Reliable flow by piston design

Includes: 1st stage only with 2 LP + 1 HP ports facing upward

4,500 psi (300 Bar) BAR DIN connection



PRISM 2 ECCR 1ST STAGE DIL (4 PORT)

Diluent 1st stage for the Prism 2

Reliable flow by piston design

Includes: 1st stage only with 3 LP + 1 HP ports facing upward

4,500 psi (300 Bar) DIN connection



BOV KIT

Lightweight Dive Surface Valve and Bailout Valve in one unit

Ergonomic, easy-to-grip controls are super operable—even in gloves

Orthodontic patented mouthpiece cuts jaw fatigue

Includes BOV, 46"/117cm max flow hose, hose adapter, HUD bracket



PART NO.	ITEM
240.3566	PRISM 2 ECCR 1ST STAGE OXYGEN (3 PORT)
240.3569	PRISM 2 ECCR 1ST STAGE DIL (4 PORT)
240.6300	BOV, KIT (BOV, 46"/117CM MAX FLOW HOSE, HOSE ADAPTER, HUD BRACKET)
240.3001	OPRV - FIRST STAGE
240.3005	1ST STAGE LP SWIVEL
204.2310	PRESSURE GAUGE MODULE PSI -- METAL W/O BOOT
204.2311	PRESSURE GAUGE MODULE BAR -- METAL W/O BOOT
204.2310.S	AIR SPOOL METAL GAUGES
204.2312.39	BOOT ONLY (GN), METAL PG
28285.38	QD HOSE 38"/97CM
28843.41	HP HOSE, 41"/104CM
28125.23	LP HOSE, 23"/58CM
28125.30	LP HOSE, 30"/76CM
16931.046	LP HOSE, 46"/117CM
240.6517	MOUTHPIECE RETENTION STRAP

MOD-1

WITH HOLLIS BOV POD

Known simply as the “MOD-1”, the patented Kirby Morgan two-chamber (Mask & POD) design opens up a myriad of configuration possibilities with both Open Circuit systems and Closed Circuit Rebreather systems.

Used by United States Marines Combat Divers and military dive teams around the world, professional underwater videography teams and scientific dive teams, the Kirby Morgan Modular Full-Face Mask represents a giant step-up in safety, versatility, and convenience over conventional Full-Face Masks (FFMs).

The MOD-1 utilizes two separately sealed cavities in a single FFM design. The mask acts exactly like an independently sealed dive mask with a lower Breathing POD that contains the mouthpiece and, if installed, the communications microphone.

Hollis is excited to partner with Kirby Morgan Dive Systems, Inc, the pre-eminent designer of commercial and military diving systems, to bring our divers a product, the MOD-1 with Hollis BOV POD, which will expand possibilities in diving safety, reliability, and versatility.



MOD-1 + POD



MOD-1, W/O POD

PART NO.	ITEM
240-4800-04	MOD-1, W/O POD
240-4800-05	MOD-1, HOLLIS BOV POD ONLY
240-4800-06	MOD-1, SCUBA POD ONLY
240-6300	BOV, KIT (BOV, 46"/117CM MAX FLOW HOSE, HOSE ADAPTER, HUD BRACKET)

MOD-1

WITH HOLLIS BOV POD

EASY BAILOUT OR GAS SWITCHING

Switching gases underwater or bailing out to an off-board system in the case of a rebreather with the Hollis BOV POD is simple and straightforward because of the MOD-1's two chamber design.

The diver simply detaches the lower Breathing POD and secures either a secondary Open Circuit POD, or simply a second stage without a POD attached. The Mask does not flood during this exchange, or when breathing off a second stage with no POD attached!

This dramatically increases safety and versatility over conventional one-piece designs where a bailout means momentarily losing breathing gas and the ability to see underwater.

SAFER THAN STANDARD SINGLE-CHAMBER FFM DESIGNS

For Hollis Prism 2 divers, the MOD-1 with Hollis BOV POD has several important safety considerations, which cannot be understated.

First and foremost, should a diver become unresponsive underwater, their airway is protected while a buddy switches the BOV to Open Circuit mode and starts the flow of a "known" gas.

Secondly, if added, voice communications between dive teams means rebreather divers can alert team members to a potential issue, have more than one brain available to discuss solutions, and make the critical go/no-go decisions that will ensure a safe return to the surface.

PRESCRIPTION LENSES

Because the MOD-1 utilizes glass lenses instead of plastic, you can install custom-ground prescription lenses, a critical feature for underwater videographers and photographers to get that perfect shot, in perfect focus.

INTEGRATES WITH COMMUNICATIONS SYSTEM

If installed, the communications microphone allows a diver to communicate with other divers underwater. The diver can simply talk normally into the installed microphone which also works when the POD is removed from the mask on the surface.

The MOD-1 communications system is sold by third party organizations. Please contact your Sales Representative for more information.



MOD-1, SCUBA POD ONLY



MOD-1, HOLLIS BOV POD ONLY

TANK & TANK VALVES

TV-6800

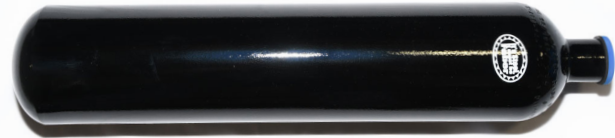
A tough rebreather valve made from chrome-plated brass
Rubber knob is shock and abrasion resistant
100% O2 compatible—works with multiple rebreather systems
DIN fitting 4,500 psi (300 Bar)



Available with black or green handle

FX23BK, FABER 3L 3442 PSI CYLINDER, BLACK

A 3L compact steel cylinder
Nitrox ready—corrosion-resistant internal surface
Ultra-tough hot-zinc coating reinforced by paint epoxy



PART NO.	ITEM
240.6830	TV-6800 -- 300 BAR - W/POST & RUBBER BOOT - INLINE BK
240.6840	TV-6800 -- 300 BAR - W/POST & RUBBER BOOT - INLINE GN
240.6623.07	FX23BK, FABER 3L 3442 PSI CYLINDER, BLACK
8107	VALVE BUMPER, BK

BCD STANDARD ACCESSORIES

PART NO.	ITEM
208.1260	SOLO HARNESS SYSTEM
208.1253.045	C45 LX WING
208.1295.000	STAINLESS STEEL BACKPLATE
28344.SS	STAINLESS STEEL H-PLATE
208.0016	12LB LX2 WEIGHT SYSTEM - SOLO, ELITE2, HTS2
208.0027	12LB LX2 WEIGHT POUCH - REPLACEMENT
220.9023	PRISM WAIST BELT STRAP/SLIDER
208.1060.013	INFLATOR SYSTEM W/ ELBOW 13" /33CM
208.1060.016	INFLATOR SYSTEM W/ ELBOW 16" /41CM
208.1255.045	REPL. BLADDER, C45
220.9007	HTS 2 BUTTPLATE (BACKPLATE COMPATIBLE)
220.9009	PRISM 2 STAND

PRISM 2 STAND

Stand that provides a functional stable platform for the Prism 2

Design to provide height adjustable from 6 " to 12"

316 marine grade stainless steel

All Hardware is included for installation



SERVICE KITS AND ACCESSORIES

PART NO.	ITEM
220.9010	PRISM 2 SERVICE KIT - FMCL
220.9091	PRISM 2 SERVICE KIT - BMCL
220.9012	SERVICE KIT, INHALE COUNTERLUNG
220.9013	SERVICE KIT, SCRUBBER HEAD, PRISM2
220.9014	SERVICE KIT DSV & LOOP PRISM 2
220.9015	SERVICE KIT, EXHALE COUNTERLUNG
220.9019	SERVICE KIT BOV
220.9088	SERVICE KIT TANK VALVE (DIL/O2)
220.9089	SERVICE KIT, FMCL MAV, OXYGEN
220.9090	SERVICE KIT, BMCL MAV, OXYGEN
220.9092	SERVICE KIT, BMCL T-PIECE AND LOOP
220.9093	SERVICE KIT, BMCL MAV, DILUENT
220.9210	KIT, SVC, HO2, 1ST STG
220.9003	PRISM 2 SPARES KIT
220.9002	STERAMINE DISINFECTANT, 150 TABLETS
240.6701	PRISM 2 CE UPGRADE KIT (FACTORY INSTALL)

MARKETING

PART NO.	ITEM
220.9022	REBREATHING DISPLAY STAND
HL-0042	HOLLIS REBREATHING TRUCKER HAT
HL-0100	P2 DIVER T-SHIRT, SIZE XS
HL-0102	P2 DIVER T-SHIRT, SIZE MD
HL-0103	P2 DIVER T-SHIRT, SIZE LG
HL-0104	P2 DIVER T-SHIRT, SIZE XL
HL-0106	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE XS
HL-0107	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE SM
HL-0108	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE MD
HL-0109	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE LG
HL-0110	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE XL
HL-0112	P2 INSTRUCTOR HOODED SWEATSHIRT, SIZE XXL

NO LIMIT



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